SPECIAL NOTICE

The abstract sections of the monthly supplements of *Aerospace Medicine and Biology* can be bound separately. Individual abstracts can be located readily by means of the page numbers given at each entry, e.g., p0239 N79-26762. To assist the user in binding Supplements SP-7011(190) through SP-7011(201), a title page is included in the back of this Cumulative index.
A CUMULATIVE INDEX
TO
A CONTINUING BIBLIOGRAPHY ON
AEROSPACE MEDICINE
AND BIOLOGY

This Cumulative Index supersedes the indexes contained in supplements [SP-7011 (190) through SP-7011 (201)], published by NASA during 1979.
INTRODUCTION

WHAT THIS CUMULATIVE INDEX IS

This publication is a cumulative index to the abstracts contained in NASA SP-7011(190) through NASA SP-7011(201) of Aerospace Medicine and Biology: A Continuing Bibliography, NASA SP-7011, by means of supplements, serves as a current abstracting and announcement journal for references on bioscience and biotechnology. It has been compiled through the cooperative efforts of the American Institute of Aeronautics and Astronautics (AIAA), and the National Aeronautics and Space Administration (NASA). Entries prepared by the two contributing organizations are identified as follows:

1. NASA entries by their STAR accession numbers (N79-10000 series)
2. AIAA entries by their IAA accession numbers (A79-10000 series)

HOW THIS CUMULATIVE INDEX IS ORGANIZED

This Cumulative Index includes a subject index, a personal author index, and a corporate source index.

HOW TO USE THE SUBJECT INDEX

Two types of cross-references appear in the subject index:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example:

   DOSE
   U DOSAGE
   AIRLINERS
   U COMMERCIAL AIRCRAFT
   U PASSENGER AIRCRAFT

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

   FATIGUE (BIOLOGY)
   NT AUDITORY FATIGUE
   NT FLIGHT FATIGUE
   NT MUSCULAR FATIGUE

In addition, a searcher may use the title or title and title extension in the index to narrow further his quest for particular items, this is because subject terms can readily include more than one class of document. For example:

   BIOLOGICAL EFFECT
   Vibratory force effect upon biological systems, particularly human organism.
   Biological effect of cosmic and solar radiations on human body at high altitudes.

illustrates a case where two references on different topics are listed under the same subject term.
HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors used in the abstract-section citations in the individual Supplements appear in the index. Differences in translation schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.
and
YEMELYANOV, M. D.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual Supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

NEW MEXICO STATE UNIV., LAS CRUCES. DEPT. OF BIOLOGY. (Source citation entry)
NEW MEXICO STATE UNIV., LAS CRUCES. (Source index entry)

IDENTIFICATION OF DESIRED SUPPLEMENT

The abstract and descriptive cataloging for any accession number selected from the indexes may be found in the appropriate Supplement. The page-number range of each Supplement appears on the inside front cover of this index. Once the range of page numbers containing the selected accession number is located in the second column, the desired Supplement number will be found in the first column. For example:

Page 191 will be found in Supplement 196.

AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in Aerospace Medicine and Biology supplements is found in the Introduction to the most currently issued monthly supplement.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject Index</td>
<td>A-1</td>
</tr>
<tr>
<td>Personal Author Index</td>
<td>B-1</td>
</tr>
<tr>
<td>Corporate Source Index</td>
<td>C-1</td>
</tr>
</tbody>
</table>
Typical Subject Index Listing

<table>
<thead>
<tr>
<th>SUBJECT HEADING</th>
<th>TITLE EXTENSION</th>
<th>REPORT NUMBER</th>
<th>PAGE NUMBER</th>
<th>ACCESSION NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARBON DIOXIDE REMOVAL</td>
<td>The Dependence of the CO2 removal efficiency of LiOH on humidity and mesh size --- in spacecraft life support systems</td>
<td>ASME PAPER 78-WAAS-5</td>
<td>p0006 A79-12554</td>
<td>N/A</td>
</tr>
</tbody>
</table>

The index provides a list of subjects along with their title extensions, report numbers, page numbers, and accession numbers. The list is used to help users locate and reference specific documents within the index.

A

A-7 AIRCRAFT

A-7 training effectiveness through performance analysis --- carrier landing instruction [AD-A056230] p0031 A79-11728

ABILITIES

Time-sharing is not a unitary ability [AD-A05632] p0019 A79-10739


ABIOGENESIS


Lifecloud: The origin of life in the universe --- Book p0061 A79-17123

Porphyria-like compounds genesis under simulated abiotic conditions p0099 A79-22078

Photochemical synthesis of amino acids from aqueous solutions of ethyl alcohol, ammonia/nitrogen under varied conditions p0105 A79-24520

RCM did not condense to give heteropolypeptides on the primitive earth p0133 A79-26582

Prebiotic nucleotide oligomerization in a fluctuating environment - Effects of kaolinite and cyanamide p0162 A79-29938

A review of recent concepts of the problem of the origin of life p0221 A79-36041

Origin of life; Proceedings of the Second ISECOL Meeting and Fifth ICOL Meeting, Kyoto, Japan, April 5-10, 1977 p0203 A79-37919

Prebiotic molecular evolution p0203 A79-37928

Synthesis of amino acids under primitive earth conditions in the presence of clay p0203 A79-37930

Prebiotic condensation reactions using cyanamide p0203 A79-37932

Experimental approach to the chemical evolution in the primitive sea. I - Formation of amino acids and amino acid polymers in modified sea media p0203 A79-37935

Prebiotic synthesis of amino acids by carboxylation of amines in oxidative atmosphere p0203 A79-37937

Prebiotic condensation of oligonucleotide life p0204 A79-37945

An approach to the origin of self-replicating system. I - Intermolecular interactions p0204 A79-37948

Quantitative aspects of the effect of weak interaction during chemical evolution p0204 A79-37955

Coacervate drops as a model for precellular structures p0204 A79-37960

Coacervate drops - Primitive forms of precells p0204 A79-37962

Takeover mechanisms and early biochemical evolution p0205 A79-37965

Some characteristic features of the origin and evolution of the amino acid composition of proteins - A theoretical consideration p0206 A79-37973

Nucleotide-binding site data and the origin of the genetic code p0206 A79-37974

The study of the origin of life - results and prospects p0206 A79-37981

The importance of the physical laws on the origin and evolution of life p0207 A79-37983

A critical assessment of the origin of life p0207 A79-37985

Reverse assimilation - A general principle of evolution of planetary surfaces p0207 A79-37989

A proposal concerning the origin of life on the planet earth p0207 A79-37990

Polymers produced by heating an amino acid mixture in sea water enriched with transition elements p0254 A79-66461


ABNORMALITIES

MT PSYCHIATRY

ABSORPTIONS

Molecular sieve oxygen generating system - The argon question /A brief review/ --- effects of 5 percent Ar in breathing gas p0274 A79-49994

Human compatibility testing of a 2-man molecular sieve oxygen generator [AD-A053288] p0053 A79-12710

Environmental test and evaluation of a molecular sieve on-board oxygen generation system [AD-A061531] p0125 A79-17559

ABSORBERS (EQUIPMENT)


ABSORPTION BANDS

A ABSORPTION SPECTRA

Absorption spectra of the visual pigment rhodopsin p0181 A79-32319

ABSORPTION SPECTROSCOPY

Reflectance transformations of the visual pigment rhodopsin p0181 A79-32319

ABUNDANCE

The evolution of the environment and its influence on the evolution of life p0294 A79-51034
ACCELERATION (PHYSICS)

Abundance of organic compounds photochemically produced in the atmospheres of the outer planets

ACCELERATION (PHYSICS)

ACCELERATION STRESSES (PHYSIOLOGY)

NT HIGH ACCELERATION

NT IMPACT ACCELERATION

A numerical method of film analysis with differentiation -- curve fitting with harmonic analysis

Evaluation of assisted positive-pressure breathing on +Gz tolerance

Helmet weight simulator

Animal endurance to recurrent impact accelerations

Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling)

A head injury model

ACCELERATION STRESSES (PHYSIOLOGY)

NT CENTRIFUGING STRESS

Regional coronary blood flow at rest and during high sustained +Gz in a miniature swine with subclinical, ischemic, coronary heart disease due to coronary stenosis

Development of space biology experiment for the Space Shuttle - A student's perspective

Cardiovascular regulatory response to lower body negative pressure following blood volume loss

Mitral prolapse and acceleration --- in aircraft pilots

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting

Head acceleration and psychomotor performance --- related to crash accident survival rates

Cardiac responses of dogs to nonsynchronous and heart synchronous whole-body vibration

Ocularogravic illusion in response to straight-ahead acceleration of a CR-104 aircraft

Cerebral accident subsequent to G-force loading - A case report

Positive pressure breathing as a protective technique in +Gz acceleration

Motion sickness in cats - A symptom rating scale used in laboratory and flight tests

Concurrent loss of consciousness and nystagmus block during +Gz stress

Thermoregulation in unrestrained rats during and after exposure to 1.5-4.0 G

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 +Gz in M. mulatta

+Gz tolerance correlation with clinical parameters

Heat and acute dehydration effects on acceleration response

Reproducibility of +Gz tolerance testing

Modeling human tracking performance in a high G-stress environment

Functional anatomy of vertebral column with reference to load bearing areas

Biodynamics of aviation stresses on the vertebral column

Assessment of spinal disabilities in flying

A new application of LBNP to measure orthostatic tolerance before and after +Gz simulation /water immersion/

Cardiac arrhythmia following postimmersion +Gz sub +Gz accelerations

A method of evaluating the papillary vestibular stuss

Effect of accelerations combined with radiation on occurrence of gene mutations in the drosophila

Medical qualification procedures for hazardous-duty aeromedical research

Engineering test and evaluation during high G.

A head injury model

+Gz tolerance correlation with clinical parameters

NT HIGH GRAVITY ENVIRONMENTS

Effect of brief exposure of domestic fowl to very intense acceleration fields

Better definition of eye to aortic valve distance in high acceleration cockpit /BACI seating geometries

Pathophysiology of overloads: Bibliography of Soviet publications --- Russian book

Physiological effect of high, sustained +Gz forces against physiological deconditioning in the healthy man

Influence of the ambient acceleration field upon incidence of gene mutations in the drosophila

Prophylactic effects of intermittent acceleration against physiological deconditioning in simulated weightlessness

Effect of +Gz on cardiovascular function in chickens

+Gz tolerance correlation with clinical parameters

ACCELERATION TOLERANCE

Relaxed +Gz tolerance in healthy men - Effect of age

Emotional responses under orthostatic and vestibular effects

Incapacitation time for +Gz-induced loss of consciousness

Cardiac reactions in tests on the wearing of the Yankee Escape System harness during minus G accelerations in the z direction

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances

Tolerance of domestic fowl to high sustained +Gz

Effects of brief exposure of domestic fowl to very intense acceleration fields

Better definition of eye to aortic valve distance in high acceleration cockpit /BACI seating geometries

Pathophysiology of overloads: Bibliography of Soviet publications --- Russian book

Physiological effect of high, sustained +Gz forces against physiological deconditioning in the healthy man

Prophylactic effects of intermittent acceleration against physiological deconditioning in simulated weightlessness

Influence of the ambient acceleration field upon cardiovascular function in chickens

+Gz tolerance correlation with clinical parameters

ACCELERATION (PHYSICS)

ACCELERATION STRESSES (PHYSIOLOGY)

Regional coronary blood flow at rest and during high sustained +Gz in a miniature swine with subclinical, ischemic, coronary heart disease due to coronary stenosis

Development of space biology experiment for the Space Shuttle - A student's perspective

Cardiovascular regulatory response to lower body negative pressure following blood volume loss

Mitral prolapse and acceleration --- in aircraft pilots

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting

Head acceleration and psychomotor performance --- related to crash accident survival rates

Cardiac responses of dogs to nonsynchronous and heart synchronous whole-body vibration

Ocularogravic illusion in response to straight-ahead acceleration of a CR-104 aircraft

Cerebral accident subsequent to G-force loading - A case report

Positive pressure breathing as a protective technique in +Gz acceleration

Motion sickness in cats - A symptom rating scale used in laboratory and flight tests

Concurrent loss of consciousness and nystagmus block during +Gz stress

Thermoregulation in unrestrained rats during and after exposure to 1.5-4.0 G

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 +Gz in M. mulatta

+Gz tolerance correlation with clinical parameters

Heat and acute dehydration effects on acceleration response

Reproducibility of +Gz tolerance testing

Modeling human tracking performance in a high G-stress environment

Functional anatomy of vertebral column with reference to load bearing areas

Biodynamics of aviation stresses on the vertebral column

Assessment of spinal disabilities in flying

A new application of LBNP to measure orthostatic tolerance before and after +Gz simulation /water immersion/

Cardiac arrhythmia following postimmersion +Gz sub +Gz accelerations

A method of evaluating the papillary vestibular stuss

Effect of accelerations combined with radiation on occurrence of gene mutations in the drosophila

Medical qualification procedures for hazardous-duty aeromedical research

Engineering test and evaluation during high G.

A head injury model

+Gz tolerance correlation with clinical parameters

ACCELERATION TOLERANCE

Relaxed +Gz tolerance in healthy men - Effect of age

Emotional responses under orthostatic and vestibular effects

Incapacitation time for +Gz-induced loss of consciousness

Cardiac reactions in tests on the wearing of the Yankee Escape System harness during minus G accelerations in the z direction

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances

Tolerance of domestic fowl to high sustained +Gz

Effects of brief exposure of domestic fowl to very intense acceleration fields

Better definition of eye to aortic valve distance in high acceleration cockpit /BACI seating geometries

Pathophysiology of overloads: Bibliography of Soviet publications --- Russian book

Physiological effect of high, sustained +Gz forces against physiological deconditioning in the healthy man

Prophylactic effects of intermittent acceleration against physiological deconditioning in simulated weightlessness

Influence of the ambient acceleration field upon cardiovascular function in chickens

+Gz tolerance correlation with clinical parameters
ACOUSTO-OPTICS

Overall loudness of steady sounds according to theory and experiment [NASA PP-1001] 779-25753
Acoustic attitude orientation p0318 779-33816

ACOUSTO-OPTICS

Analysis for noninvasive monitoring of arterial blood pressure by /L/ phonocardiography, for discrete measurements and /L/ arterial ultrasonic imaging, for continuous measurements p0294 779-51037

ACQUISITION

MT DATA ACQUISITION
MT TARGET ACQUISITION
MT ACTIRIDE SERIES
MT ACTH
MT ACRYLIC RESINS
MT ACTIVITY (BIOLOGY)
MT ACTIVATED CARBON
MT ADRENOCORTICOTROPIN (ACTH)
MT ADAPTIVE CONTROL
MT LEARNING MACHINES
MT RIBONUCLEIC ACIDS
MT ADDITIONAL RESINS

ACTIVITY (BIOLOGY)

Mechanisms of activated carbon degradation by peracelation [AD-A096772] 779-14777

ACTIVITY (BIOLOGY)

An inductively powered telemetry system for temperature, pHG, and activity monitoring p0228 779-41424
Sympathetically receptor uptake of hypothalamic monoamines and recovery of pituitary-adrenal activity following medial forebrain bundle lesions in rats p0275 779-50232
Determination of a generalized output index of a biological experiment after multiple tests p0076 779-14744
Suppression of the immune response by ultrasound p0142 779-18560
Observability of electrical heart activity studied with singular value decomposition [TH-78-9-81] p0144 779-18584
Changes in calcium ion activity due to magnetization of solution as the possible mechanism of biological action of magnetic fields p0173 779-20741
Biologically active short-chain peptides [PSA-C-40063-C1] p0261 779-29785
Immunobioactivity of the body under hyperbaric and hypobaric conditions p0310 779-33790
Effect of restricted activity on vestibular function p0312 779-33802

ACUITY

MT HYPEROPA
MT VISUAL ACUITY

ADAPTATION

MT ALTITUDE ACCLIMATIZATION
MT COLD ACCLIMATIZATION
MT DARK ADAPTATION
MT HEAT ACCLIMATIZATION
MT LIGHT ADAPTATION
MT THERMAL ADAPTATION

On the man's adaptation to the operator's work under stressful conditions of space flight [IAP PAPER 79A-56] p0003 779-11345
Voluntary movement control and adaptation to cross-coupled stimulation - motion sickness avoidance p0009 779-12860
Metabolism of norepinephrine and noradrenalin in the thymus cells of the rat p0069 779-19425
315-cyclic AMP content in rat tissues during hypoxia adaptation and gamma irradiation p0069 779-19426
Structure of biorythms as one of the criteria for physiological adaptability of the human organism p0097 779-20653
Cyclic nucleotides and adaptation of the organism -- Russian Book p0133 779-26500
Early cardiovascular adaptation to simulated zero gravity p0162 779-29727
Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia p0162 779-29727

Energetic aspects of adaptation - Russian book p0157 779-30696
Some forms of adaptation to extreme influences in the blood system p0167 779-31906
Ecological physiology of animals. I - General ecological physiology and physiology of adaptations - Russian book p0275 779-50474
The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia p0296 779-51116
Reciprocal interaction between the photopic and scotopic systems of the visual analyzer in man p0296 779-51327
Development of adaptation to hypothermia on rats and its readaptability to ambulatory life [IAP PAPER 79-76] p0301 779-53285
Early cardiovascular adaptation to zero gravity simulated by head-down tilt [IAP PAPER 79-77] p0301 779-53286
Problems of human adaption to spaceflight p0157 779-19985
Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness p0294 779-27625

ADAPTIVE CONTROL

MT LEARNING MACHINES

Models for automated motor skills training -- computer controlled adaptive instruction p0035 779-13182
Communications management by the remote system - An adaptive approach - modeling of RPP autopilot/operator systems p0041 779-13226
How does the saccadic eye movement controller adapt for pathological states p0046 779-14961
Adaptive supervisory control of remote manipulation robot p0046 779-14987
Adaptive control of a robotic manipulator p0046 779-15001
Robots and artificial intelligence -- Russian book p0061 779-17569
Augmented feedback in adaptive motor skill training p0062 779-18208
The effects of participatory mode and task workload on the detection of dynamic system failures p0098 779-21156
A structural model of the adaptive human pilot [AAIA 79-1784] p0252 779-45801
Adaptive estimation schemes for minimizing uncertainty in manual control tasks p0269 779-48013
A formal model of the adaptive and discrete control behaviors of human operators [AD-J050035] p0205 779-13717
A construct validation of adaptive achievement testing [AP-J063140] p0173 779-20742
An adaptive controller which displays human operator limitations for a fighter type aircraft p0177 779-21767
An adaptive controller which displays human operator limitations for a fighter type aircraft p0223 779-25763

ADAPTIVE CONTROL SYSTEMS

MT ADAPTIVE CONTROL

ADDITION RESINS

ADENOSINES

ADENINES

ADDITION RESINS

ADAPTIVE CONTROL
Effect of age on relaxed +G sub x tolerance of aircrew members.  
Psychophysiological effects of aging: Developing a functional age index for pilots.  
Psychophysiological effects of aging: Developing a functional age index for pilots.  
Agricultural Aircraft  
Initial training and retraining of technical agricultural flight personnel.  
Eye-ball control.  
Agriculture  
Short-range movement of major agricultural pests.  
Air  
NT LIGHT AIRBORNE MULTIPURPOSE SYSTEM  
NT AIRBORNE/SPACEBORNE COMPUTERS  
NT AIR TRAFFIC CONTROLLERS (PERSONNEL)  
NT AREA NAVIGATION  
NT AREA NAVIGATION  
NT AIR POLLUTION  
Developmental and hematological responses to low level exposure of carbon monoxide in mice.  
Response of the rat erythrocyte to ozone exposure.  
Effects of ozone inhalation on work performance and maximal oxygen uptake.  
Assessment of human exposures to etiopscopic benzene.  
Human health dangers from mobile source air pollution: A Delphi method, volume 1.  
Human health dangers from mobile source air pollution: Additional Delphi data analysis, volume 2.  
Effects of oxides of nitrogen, Carbon monoxide and photochemical oxidants on the RCG during exercise and on cardiopulmonary function.  
Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system.  
Air Purification  
Technology advancement of an oxygen generation subsystem.  
Air Sampling  
New combined aspirator for sampling developed.  
Air Sickness  
MOTION SICKNESS  
Air To Air Missiles  
Subjective motion discrimination in the simulator for air-to-air combat.  
Air To Air Refueling  
Visual system for the Boom Operator Part Task Trainer --- RC-135 aerial refueling task simulator.  
Pilot performance in simulated aerial refueling as a function of tanker model complexity and visual display field-of-view.
# SUBJECT INDEX

<table>
<thead>
<tr>
<th>[AD-A0588995]</th>
<th>p0053 N79-12711</th>
</tr>
</thead>
<tbody>
<tr>
<td>05 Navy development of an On-Board Oxygen Generation (OBOG) system</td>
<td>p0197 N79-24656</td>
</tr>
<tr>
<td><strong>AIRCRAFT MANEUVERS</strong></td>
<td><strong>AIRCRAFT MAINTENANCE</strong></td>
</tr>
<tr>
<td>Aircranymaneuver in performance as a function of extended flight viafatigue</td>
<td>p0116 N79-17488</td>
</tr>
<tr>
<td><strong>AIRCRAFT HAZARDS</strong></td>
<td><strong>AIRCRAFT INSTRUMENTS</strong></td>
</tr>
<tr>
<td>Biodynamic effects of canopy loss in the TF-15 aircraft</td>
<td>p0163 N79-30651</td>
</tr>
<tr>
<td>Detection of conflict states in air traffic control of airport zones</td>
<td>p0166 N79-31181</td>
</tr>
<tr>
<td>Aviation and radiation hazards</td>
<td>p0271 N79-09727</td>
</tr>
<tr>
<td><strong>AIRCRAFT INSTRUMENTS</strong></td>
<td><strong>AIRCRAFT APPROACH INDICATORS</strong></td>
</tr>
<tr>
<td>NT CRASH LANDING</td>
<td>NT AUTOMATIC PILOTS</td>
</tr>
<tr>
<td>NT CRASH LANDING</td>
<td>NT AUTOMATIC PILOTS</td>
</tr>
<tr>
<td>PREDICTION OF PILOT RESERVE ATTENTION CAPACITY</td>
<td><strong>AIRCRAFT PERFORMANCE</strong></td>
</tr>
<tr>
<td>Flight experience with manually controlled RNAV procedural turn anticipation techniques</td>
<td>p0254 N79-66286</td>
</tr>
<tr>
<td>Measurements of pilot workload during low altitude approach and landing</td>
<td>p0241 N79-26782</td>
</tr>
<tr>
<td>Development of automated performance measures for introductory air combat maneuvers</td>
<td><strong>AIRCRAFT PILOTS</strong></td>
</tr>
<tr>
<td>A study of progress in flying performance revealed from daily check sheets in a primary flight training course. III - Comparison of progress between two courses</td>
<td>p0084 N79-18429</td>
</tr>
<tr>
<td>Predictive validity of flight simulators as a function of simulator motion</td>
<td>p0181 N79-32627</td>
</tr>
<tr>
<td>Life cycle cost of simulated vs actual equipment for intermediate maintenance training for F-16 avionics</td>
<td>p0116 N79-19494</td>
</tr>
<tr>
<td><strong>AIRCRAFT MANEUVERS</strong></td>
<td><strong>AIRCRAFT PILOTS</strong></td>
</tr>
<tr>
<td>An Air Combat Effectiveness Study /ACRS/ program</td>
<td>p0166 N79-17488</td>
</tr>
<tr>
<td>Development of automated performance measures for introductory air combat maneuvers</td>
<td>p0115 N79-19623</td>
</tr>
<tr>
<td>A study of progress in flying performance revealed from daily check sheets in a primary flight training course. III - Comparison of progress between two courses</td>
<td>p0150 N79-19626</td>
</tr>
<tr>
<td>Predictive validity of flight simulators as a function of simulator motion</td>
<td>p0150 N79-19494</td>
</tr>
<tr>
<td>Measurements of pilot workload during low altitude and high speed maneuvers of F-1 supersonic jet fighter</td>
<td>p0066 N79-17488</td>
</tr>
<tr>
<td><em><em>SMP</em>-4 helmet damage and head injury correlation</em>*</td>
<td>p0177 N79-21764</td>
</tr>
<tr>
<td><strong>AIRCRAFT PERFORMANCE</strong></td>
<td><strong>AIRCRAFT PILOTS</strong></td>
</tr>
<tr>
<td>The effects of ambient illumination, aircraft velocity and feedback on absolute distance judgments during simulated night nap-of-the-earth flight</td>
<td>p0038 N79-13204</td>
</tr>
<tr>
<td>NASA flight management research</td>
<td>p0138 N79-13206</td>
</tr>
<tr>
<td>The helmet protects the aviator's head - Or does it</td>
<td>p0138 N79-13218</td>
</tr>
<tr>
<td>Selection and techniques for analysis of indices of visual data reception. II --- aircraft pilot eye movements</td>
<td>p0047 N79-15494</td>
</tr>
<tr>
<td>Time estimation as a technique to measure workload of aircraft pilot in flight simulation</td>
<td>p0062 N79-18203</td>
</tr>
<tr>
<td>On the relationship between pilot rating and pilot dynamics. I - An experimental approach</td>
<td>p0066 N79-18474</td>
</tr>
<tr>
<td>On the relationship between pilot rating and pilot dynamics. II - An analytical approach</td>
<td>p0066 N79-18475</td>
</tr>
<tr>
<td>Naval aviation training - Perspective and prospects</td>
<td>p0130 N79-24633</td>
</tr>
<tr>
<td><strong>DNV</strong> procedure turn anticipation techniques</td>
<td>p0030 N79-17488</td>
</tr>
<tr>
<td>Experiment no. 2, GAV-2A. Phase 3: 2 and 4 mi offset tracking procedures</td>
<td>p0030 N79-24656</td>
</tr>
<tr>
<td>Flight experience with manually controlled unconventional aircraft motions</td>
<td>p0254 N79-66286</td>
</tr>
<tr>
<td>Prediction of pilot reserve attention capacity during air-to-air target tracking</td>
<td>p0084 N79-18429</td>
</tr>
<tr>
<td>Changes in the rotary wing aviator's ability to perform an uncommon low altitude rearward hover maneuver as a function of extended flight</td>
<td>p0116 N79-17488</td>
</tr>
<tr>
<td>Visual effects of helicopter maneuvres on weapon aiming performance</td>
<td>p0150 N79-19623</td>
</tr>
<tr>
<td>Oculooromoer performance of aviators during an autorotation maneuver in a helicopter simulator</td>
<td>p0150 N79-19626</td>
</tr>
<tr>
<td>The relationship between Air Combat Maneuvering Range (ACMR) output measures and initial visual acquisition performance</td>
<td>p0151 N79-19638</td>
</tr>
<tr>
<td>Estimation of aircraft target motion using pattern recognition orientation measurements</td>
<td>p0137 N79-20744</td>
</tr>
<tr>
<td>A study of pilot/observer interaction in aligning a helicopter with a target</td>
<td>p0283 N79-30943</td>
</tr>
</tbody>
</table>
training course. III - Comparison of progress between two courses
Methodological considerations of visual workloads of helicopter pilots
Visual workload of the copilot/navigator during terrain flight
Pilot workload in the aircraft of the future
Analysis of population mortality kinetics with application to the longevity followup of the Navy's +1,000 aviators
+Gz tolerance correlation with clinical parameters
A structural model of the adaptive human pilot
Medical barofunction testing of aviators with otochirnologypologic disease
Effect of age on relaxed +G sub z tolerance of aircrews
Cardiological findings in 115 pilots: Diagnosis and assessment of their flying fitness
The impact of coronary vascular risk factors on professional aircrew license loss in the United Kingdom
Cardiovascular disease as a cause of unfitness for flying service in aircrews of Italian Air Force: Etiopathogenesis, influence of performance in flight, and prevention
Cardiovascular fitness of pilots of transport aircraft
A model for the pilot's use of roll-axis motion in steady-state tracking tasks
Speech as a pilot input medium
Changes in the rotary wing aviator's ability to perform an unusual low altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue
A description of the neuropsychological selection of pilots for land forces light aircraft
Radiological examination of the Rachis and fitness for employment as a helicopter pilot
Decelerator performance of aviators during an autorotation maneuver in a helicopter simulator
Sensorial aspects of helicopter operations
The effective acoustic environment of helicopter crews
Vertebral pains in helicopter pilots -- symptomology and radiology
Alciline pilot scan patterns during simulated ILS approaches
AIRCRAFT SAFETY -- Evolution of the man-machine interface in surveillance radar systems
Heat transfer principles in personal protection applications
High 'G' escape protection -- pilot restraint during high speed ejection
Human factors considerations in establishing aircraft collision avoidance systems alert thresholds
Pilot preflight briefing utilizing an interactive computer generated Voice Response System
The fitting of Canadian Forces aircrew helmets -- why the difference
Auditory and visual sustained attention during ozone exposure

Effects of prolonged unidirectional shift of sleeping-waking cycle on physiological functions, mental productivity and sleep of man

A biogeochronological study of the Abu Dhabi algal mats - A simplified ecosystem

Algal growth under multiple nutrient limiting conditions

Impact of large scale aquatic biomass systems

Effects of electromagnetic field induction on development of the green algal, Scenedesmus quadricauda (Turpin) Breb. and composition of free amino acids in its biomass and media

The growth kinetics of freshwater algae

Citric acid enhancement of copper sulfate toxicity

Effects of prolonged unidirectional shift of sleeping-waking cycle on physiological functions, mental productivity and sleep of man

A development of a whole-body algorithm

Study report on interfacing major physiological subsystem models: An approach for developing a whole-body algorithm

Citric acid enhancement of copper sulfate toxicity

The augmentation algorithm and molecular phylogenetic trees - on the validity of the blue-green algae "aphanizomenon flos-aquae" and "microcystis aeruginosa" [PB-291637/7]

Response of women mountaineers to maximal exercise

Case report - Intracardial gas bubbles in relation to altitude decompression chokes

Thermal sweat rate response to an acute short exposure at a simulated altitude of 4,600 m

Composition of cerebral fluids in goats adapted to high altitude

Oxygen affinity of blood in altitude Sherpas

Evidence for increased intrathoracic fluid volume in man at high altitude

Composition of cerebral fluids in goats adapted to high altitude

Isolation of hemoglobin and its subunits in permanent inhabitants of the Tian Shan and Pamir

Investigation of the content of hemoglobin and its fractions in permanent inhabitants of the Tian Shan and Pamir

Aldehyde dehydrogenase activity in human liver and its relationship to the state of the adenylcyclase and phosphodiesterase systems in the myocardium

Norepinephrine uptake by the isolated heart of rats adapted and deadapted to hypoxia

Cerebral gas exchange in rats adapted to hypoxia during inspiration of oxygen-poor mixtures

Responses of high altitude natives to a standardized cold test at sea level

Immunophysiological aspects of man's adaptation to highland

Investigation of the content of hemoglobin and its fractions in permanent inhabitants of the Tian Shan and Pamir

Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylcyclase and phosphodiesterase systems in the myocardium

Oxygen affinity of blood in altitude Sherpas

Composition of cerebral fluids in goats adapted to high altitude

Evidence for increased intrathoracic fluid volume in man at high altitude

Composition of cerebral fluids in goats adapted to high altitude

Isolation of hemoglobin and its subunits in permanent inhabitants of the Tian Shan and Pamir

Effect of physical training at moderate altitude /1850 m/ on hypoxic tolerance
ANALYSIS (MATHEMATICS)

ANTHEROSES

ANGULAR ACCELERATION

Classification of amplitude-modulated noise patterns with extended practice [AD-A066703] p0222 79-25756

Studies of microbial flora and immunity of Salyut-3 crew [NASA-CASE-ARC-11118-2] p0077 79-31909

ANGULAR VELOCITY MEASUREMENT

ANGIOGRAPHY

Predictive accuracy of Q-I/Q-T ratio, Q-Tc interval, S-T depression and R wave amplitude during stress testing --- heart pathology [NASA-CASE-ARC-10985-1] p0017 79-10724

ANEMOMETERS

ANGULAR ACCELERATION

Computation of rigid-body rotation in three-dimensional space from body-fixed linear acceleration measurements [ASME PAPER 78-MA-510-5] p0009 79-19759

Nystagmographic characterization of responses to rotation of persons with different vestibular-vegetative stability p0188 79-35122

Characteristics of vestibular nystagmus in rats p0016 79-10714

An examination of statistical impact acceleration injury prediction models based on -Gx accelerometer data from subhuman primates [AD-A057276] p0026 79-11690

Testicular models and thresholds of motion perception. Result of tests in a flight simulator [VTM-IR-265] p0146 79-18959

ANGULAR VELOCITY MEASUREMENT

ANALOG SIMULATION


A three-dimensional mathematical analogue of the spine structure: A comprehensive approach p0285 79-31909

ANATOMY

The use of biostereometry in helicopter cockpit design --- using a simulator and analytic geometry [NASA-CASE-ARC-10985-1] p0150 79-19629

Anatomical frames of reference and biomechanics p0065 79-18230

Anatomical coordinate systems for human body segments p0065 79-18321

Functional anatomy of vertebral column with reference to load bearing areas p0272 79-49732


The lymph nodes and lymph vessels of the white rat [NASA-CASE-ARC-10985-1] p0141 79-10724

ANGIOMETERS

ANGIOGRAPHY

Coronary calcification in the diagnosis of coronary artery disease p0026 79-40625

Computer quantitation of angioCardiographic images p0293 79-51030

The development of a digital video subtraction system for intravenous angiography p0294 79-51033

Computer quantitation of coronary angiograms p0293 79-51032

Contour detector and data acquisition system for the left ventricular outline [NASA-CASE-ARC-10985-1] p0017 79-10724

ANGULAR VELOCITY MEASUREMENT

ANGIOGRAPHY

Predictive accuracy of Q-I/Q-T ratio, Q-Tc interval, S-T depression and R wave amplitude during stress testing --- heart pathology [NASA-CASE-ARC-10985-1] p0017 79-10724

ANEMOMETERS

ANEMOMETRY

U VELOCITY MEASUREMENT

ANGIOMETERS

ANGIOGRAPHY
ANGULAR VELOCITY

Balance training of the equilibrium organ and its effect on flight strategy

Distinctions of influence of the reticular formation of the midbrain on the heart and respiration with exposure to centripetal accelerations

ANGULAR VELOCITY

Dynamics of an image viewed through a rotating mirror

ANIMALS

ANGULAR VELOCITY

NT ARTEMIA
NT ARTHROPODS
NT CHICKENS
NT CHIMPANZEES
NT CHICKENS
NT ARTHROPODS
NT ARTENIA
NT MICE
NT INSECTS
NT INVERTEBRATES
NT KARALS
NT MICE
NT MONKETS
NT PARANICA
NT PRIMATES
NT RABBITS
NT RATS
NT SCOPES
NT WALLEYS
NT WORB

Animal life support transporters for Shuttle/Spacelab

[ASM PAPER 78-EMAS-10] p0066 A79-12559

Ecological physiology of animals. I - General ecological physiology and physiology of adaptations -- Russian book

p0275 A79-50474

Spermatogenesis in dogs during many years of chronic exposure to gamma radiation and in the aftereffect period

p0073 A79-14727

DNA content of animal organs during space flight on Kosmos-690 satellite

p0073 A79-14728

State of blood clotting during prolonged hypokinesia

p0073 A79-14729

The combined effect of carbon monoxide and barobaric hyperoxia on animals

p0073 A79-14730

Blood lipid changes in hypoxic rats

p0074 A79-14731

Effect of intermittent hypoxia on functional activity of peripheral blood neutrophils

p0074 A79-14732

Effect of cerebrocruinal trauma on reactive distinctions of hypothalamic and hippocampal vessels in the presence of hypoxia

p0074 A79-14733

Role of vestibular system in behavior of animals submitted to prolonged slow rotation

p0074 A79-14734

Some recent results on the deposition of electromagnetic energy in animals and models of man

p0083 A79-15563

Space biology and aerospace medicine, volume 13, no. 1, 1979

[JPFS-T2826] p0107 A79-16514

ANIMATION

U ANIMATION

ANOMALIES

Digital image anomalies - Static and dynamic --- rastering and aliasing effects and elimination

p0137 A79-28158

ANOVA

Temporal relation between onset of cell anoxia and ischemic contractile failure

p0300 A79-52895

Molecular determinants for the prediction and survival of ischemic anoxic stress pathology

p0027 A79-11700

INDEX

SUBJECT INDEX

ANTS

MT LOOP ANTENNAS

ANTHROPOLOGY

Seating, console and workplace design - Seated operator reach profiles

Seating, console, and workplace design - Integration of literature and accommodation model

Estimating percentiles of nonnormal anthropometric populations -- final report

Anatomical frames of reference and biomechanics

A theoretical model to estimate some ergonomic parameters from age, height and weight

Anthropometric source book. Volume 1: Anthropometry for designers

Anthropometric changes in weightlessness

Variability in human body size

Anthropometry

Arms-leg reach and workspace layout

Range of joint motion

Human muscular strength

Anthropometry in sizing and design

Statistical considerations in man-machine designs

Reach capability of men and women: A three-dimensional analysis

[AD-A060932] p0081 A79-14779

Fitting procedure for anthropometric survey data

[AD-A060393] p0093 A79-15639

The use of biostereometry in helicopter cockpit design --- using a simulator and analytic geometry

p150 A79-19629

Performance evaluation of test dummies with flesh parts produced with substitute foaming compounds

p0179 A79-21776

Analysis of body form using biostereometrics

[NASA-CR-160173] p0195 A79-23658

Guidelines for fit testing and evaluation of USAF personal-protective clothing and equipment

[AD-A065901] p0197 A79-23668

Procedures used to generate input data sets for the articulated total body model from anthropometric data

p0349 A79-21193

United States Army anthropometry: 1946-1977

p0279 A79-21938

Analysis of body size measurements for US Navy women's clothing and pattern design

[AD-A069600] p0290 A79-21939

ANTIDOGGRENMICS

Effects of propranolol on Time of Useful Function (TOF) in rats --- tolerance to rapid decompression

[AB-A086535/4] p0283 A79-31896

ANTIBIOTICS

Determination of antimicrobial susceptibilities on infected animals without isolation


ANTIGENS

Design of polymeric immunomicrospheres for cell labelling and cell separation

p0275 A79-50234

Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation

p0015 A79-10709

Isolation of virus-augmented tumor antigens

p0142 A79-18564

ANTHRODIMETRICS

MT BIOSTATEERING

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances

p0127 A79-24628

Effects of altitude and two decongestant-antihistamine preparations on
AUDITORY SIGNALS

Elements of the theory of biological analyzers — Russian book

Auditory analysis of complex sound: Electrophysiological investigations — Russian book

Effect of paradoxical sleep deprivation on the acquisition of sound discrimination

Auditory analysis of complex sound

Auditory evoked potentials during short-term auditory stimulation

AUDITORY TASKS

Auditory and visual sustained attention during ozone exposure

Augmentation

AUTOCATALYSIS

The crisis in the problem of the origin of life

Evolution in open systems — Acquisition and conservation of information in bioids

AUTOCLAVES

A system for sterilising objects — such as water systems on the space shuttle using ethylene oxide

AUTOMATA THEORY

Control systems for robots and manipulators — Russian book

Some properties of conservative systems — walking robot model

AUTOMATIC CONTROL

Control systems for robots and manipulators — Russian book

Visualising the workplace in a robot hand using the feature points method

An analysis of helicopter pilot control behaviour and workload during instrument flying tasks

The systemic principles of building a man-machine control staff — functional analysis

AUTOMATIC DATA PROCESSING

Scientific data processing

AUTOMATIC FLIGHT CONTROL

The man-computer division of tasks in the case of the control of complex technical systems — applied to aircraft

AUTOMATIC GAIN CONTROL

Contrast enhancement using local area brightness and gain control — of airborne CRT display

AUTOMATIC PATTERN RECOGNITION

PATTERN RECOGNITION

AUTOMATIC PILOTS

Communications management by the remote system — An adaptive approach — modeling of RF autopilot/operator systems

AUTOMATIC ROCKET IMPACT PREDICTORS

Errors in the mathematical model of the ballistic trajectory

AUTOMATION

New principles of automation of biomedical research

AUTOMOBILE ACCIDENTS

Whole body response research program

Methodology
The effects of alcohol on driver performance in a driving simulator: A model of learning and decision making situation [IB-1978-2] p1094 879-17481

The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [BS-GRB-2394] p115 879-17346

A control theoretic model of driver steering behavior [PB-290328/4] p117 879-17491

Driver steering dynamics measured in a car simulator over a range of visibility and roadmaking conditions [IB-1979-4] p1197 879-17493


Evaluation of research on surrogate for humans in motor vehicle crashes [PB-290102/2] p10178 879-21773

Development of a solid propellant inflation restraint system, phase 1 [PB-289779/1] p10178 879-21774

The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [IB-1979-4] p10178 879-21773

Analysis of head restraints, seatbacks, and anchorages in vehicles subjected to rear impact collision [PB-289779/1] p10178 879-21773

The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [IB-1979-4] p10115 879-17346


The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [IB-1979-4] p10178 879-21773

A decision model applied to alcohol effects on driver signal light behavior [PB-289299/5] p1094 879-15629

The effects of alcohol on driver performance in a decision making situation [IB-1978-2] p1094 879-15629

The influence of vehicle aerodynamic and control response characteristics on driver-vehicle performance [PB-286153/2] p1098 879-15566

The effects of alcohol on driver performance in a decision making situation [IB-1978-2] p1094 879-15629

A decision model applied to alcohol effects on driver signal light behavior [PB-289299/5] p1094 879-15629

The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [BS-GRB-2394] p10115 879-17346

A control theoretic model of driver steering behavior [PB-290328/4] p1116 879-17491

Driver steering dynamics measured in a car simulator over a range of visibility and roadmaking conditions [IB-1979-4] p117 879-17493


The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [IB-1979-4] p10178 879-21773

Evaluation of research on surrogate for humans in motor vehicle crashes [PB-290102/2] p10178 879-21774

Development of a solid propellant inflation restraint system, phase 1 [PB-2890328/4] p10178 879-21775

Car driving as a cybernetic task [IB-1979-4] p10309 879-32830

AUTOMATON

Automatograph performance of aviators during an automataton maneuver in a helicopter simulator [PB-286153/2] p1009 879-15642

AUTOPILOTS

Assessment of burns in accident fatalities [PB-2872] p0272 879-49720

Whole body response research program. Appendix B: Raw data [PB-286153/2] p0094 879-15642

AUTORADIOGRAPHY

Autoradiographic enhancement of nasoimaging [PB-286153/2] p0272 879-49773

AUTOSCIENCE

Optimisation of pilot capability and avionic system design [AGARD-AR-188] p0113 879-16560

Pilot workload qualification for avionics design [AGARD-AR-188] p0113 879-16561

Human factors evaluations of today's helicopters as an aid to future systems design [AD-A079019] p0150 879-19627

AVOIDANCE

AXES (COORDINATES)

AXIOMS

AXIONS

AXONS

AXOLES

BACKSCATTERING

BACKSCATTERING

B后散射

BASE INJURIES

Incidence of spinal disability amongst IAF pilots - Follow up of 30 cases [AD-A059649] p0071 879-14713

Vertebral fractures in Gnat ejections [AD-A059649] p0071 879-14713

Functional anatomy of vertebral column with reference to load bearing areas [AD-A059649] p0072 879-49732

Radiological diagnosis of spinal injuries and deformities [AD-A059649] p0072 879-49735

Assessment of spinal disabilities in flying [AD-A059649] p0072 879-49736

Stereologial ultrastructural analysis of the axonal endings in the neuromuscular junction of rats after a flight on biosputnik 782 [AD-A059649] p0101 879-23468

Assessment of spinal disabilities in flying [AD-A059649] p0072 879-49735

Spinal injuries in the F-16 avionics [AD-A059649] p0072 879-49736

Spinal injuries in the F-16 avionics [AD-A059649] p0072 879-49736

Escape system [AD-A059649] p0072 879-49736

Dynamic response of vertebral elements related to ISS safety study [AD-A059649] p0071 879-14713

Radiological examination of the PACK and fitness for employment as a helicopter pilot [AD-A059649] p0151 879-19634

BACKGROUND NOISE

Wavesatometic model for the detection of signals observed by a human operator on a CRT screen on a noise background --- cathode-ray tube study [AD-A059649] p0159 879-28565

Information-hamiling capacity of a human operator in detection of signals against a noisy background [AD-A059649] p0081 879-16989

Predicting individual listener confusions in the classification of complex, steady-state sounds [AD-A0567041] p0222 879-25755

Backscatter imaging [AD-A059649] p0222 879-25755

Life cycle costing of simulated vs actual equipment for intermediate maintenance training --- for F-16 avionics [AD-A059649] p0159 879-28565

Manual landings in Category 3 conditions [AD-A059649] p0272 879-49732

Optimization of pilot capability and avionic system design [AGARD-AR-188] p0113 879-16560

Optimization of pilot capability and avionic system design, introduction [AGARD-AR-188] p0113 879-16561

Human factors evaluations of today's helicopters as an aid to future systems design [AD-A079019] p0150 879-19627

AVOIDANCE

AXES (COORDINATES)

AXIOMS

AXIONS

AXONS

AXOLES

MT INDICES

MT TRYPTOPHAN
BACTERIA

Characterization of a novel extremely alkalophilic bacterium
Effects of magnesium, calcium, and serum on reversion of stable L-forms of soil bacteria
Effects of low temperature on in vivo and in vitro protein synthesis in Escherichia coli and Pseudomonas fluorescens
Thermal resistance of naturally occurring airborne bacterial spores -- Viking spacecraft dry heat decontamination simulation
Nitrate fermentation in Clostridium perfringens
Evolution of early life inferred from protein and ribonucleic acid sequences
Relationship between proton motive force and energy transduction in therinoacidophilic 'archaebacteria'
Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermoacidophilic 'archaebacteria'
Control by episome on salt-resistance in bacteria
BACTEROIDES

E. coli, a model system for studying the evolutionary relationships among bacteria
Evolutionary relationship based on a biochemical study of energy-acquiring system between Nitrosomonas europaea and Thiothrix novellus
Sulfate-reducing bacteria and biochemical evolution
Control by episome on salt-resistance in bacteria
An ultraviolet light induced bacteriophage in Beneckea gazogenes --- organism growth on Precambrian earth
Energy transduction in Halobacterium halobium
The utilization of organic compounds by purple bacteria in the presence of light

BACTERIOLOGY

In vitro duplication of the primary light-induced charge separation in purple photosynthetic bacteria
Use of platinum electrodes for the electrochemical detection of bacteria

SUBJECT INDEX

Evolutionary relationship based on a biochemical study of energy-acquiring system between Nitrosomonas europaea and Thiothrix novellus
Sulfate-reducing bacteria and biochemical evolution
Control by episome on salt-resistance in bacteria
An ultraviolet light induced bacteriophage in Beneckea gazogenes --- organism growth on Precambrian earth
Energy transduction in Halobacterium halobium
The utilization of organic compounds by purple bacteria in the presence of light

BACTEROIDES

Possible contribution of transferable exogenous DNA in prokaryotic evolution
Subcellular organisms and evolution of cell structure
Genetic effects of cosmic radiation on bacteriophage TM7/c/08 materials of biological experiment Soyuz-Apollo
An ultraviolet light induced bacteriophage in Beneckea gazogenes --- organism growth on Precambrian earth

BAGS

MT AIR BAG RESTRAINT DEVICES
MT GAS BAGS
Gas diffusion liquid storage bag and method of use for storing blood

BALANCE

Balance training of the equilibrium organ and its effect on flight strategy

BALLOON FLIGHT

Genetic effects of balloon flight in Drosophila melanogaster

BANDWIDTH

MT BROADBAND

BAYES THEOREM

Some Bayesian inference procedures for use in developing an impact acceleration injury prediction model

BAYESIAN STATISTICS

MT BAYES THEOREM

BAYES (TOPOGRAPHIC FEATURES)

MT CHESAPEAKE BAY (US)

BEARS (RADIATION)

MT LIGHT BEAMS

BEATING (DISTURBANCE)

Investigations into the importance of the direction of centrifugal forces acting on the human body

A-22
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>BINOCULAR VISION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BED REST</strong></td>
<td>Human work measurement. A bibliography with abstracts</td>
</tr>
<tr>
<td>Physiological responses of women to simulated weightlessness: A review of the first female bed-rest study</td>
<td>[NTIS/FS-78/1197/9] p0081 N79-14781</td>
</tr>
<tr>
<td>Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man</td>
<td>[NTIS/FS-78/1289/4] p0145 N79-18589</td>
</tr>
<tr>
<td>Development of an hypothesis for simulating anti-orthostatic bed rest</td>
<td>[NTIS/FS-79/0019/9] p0176 N79-21760</td>
</tr>
<tr>
<td>Study report on modification of the long term circulatory model for the simulation of bed rest</td>
<td>[NTIS/FS-79/0020/2] p0176 N79-21761</td>
</tr>
<tr>
<td>Improvements and validation of the orthopoeisis control model for bed rest simulation</td>
<td>[NTIS/FS-79/0159/2] p0214 N79-24650</td>
</tr>
<tr>
<td>Effect of brief head-down position on parameters of carbohydrate metabolism and beta lipoprotein content of blood</td>
<td>[NTIS/FS-79/0277/8] p0222 N79-25758</td>
</tr>
<tr>
<td><strong>BEHAVIOR</strong></td>
<td>Index to FAA Office of Aviation Medicine reports: 1961 through 1978</td>
</tr>
<tr>
<td>MT DECONDITIONING</td>
<td>[AD-A067983] p0240 N79-26773</td>
</tr>
<tr>
<td>MT HUMAN BEHAVIOR</td>
<td>Cardiovascular diseases, volume 3. A bibliography with abstracts</td>
</tr>
<tr>
<td>Study of specific effects of hyperfrequencies on the central nervous system. II - Exploratory research on rat /Winter/ behaviour</td>
<td>[NTIS/FS-79/0063/2] p0260 N79-28874</td>
</tr>
<tr>
<td>Low tryptophan diet decreases brain serotonin and alters response to apomorphine</td>
<td>[NTIS/FS-79/0433/7] p0280 N79-30927</td>
</tr>
<tr>
<td>Translations on USSR science and technology: Biomedical and behavioral sciences, no. 50</td>
<td>[NTIS/FS-79/0020/2] p0176 N79-21762</td>
</tr>
<tr>
<td><strong>BELGIUM</strong></td>
<td>Biological effects of microwave, volume 2. A bibliography with abstracts</td>
</tr>
<tr>
<td>Analysis of the intervention of the human factor as a principal cause or influence in accidents of Mirage aircraft in the Belgian Air Force</td>
<td>[NTIS/FS-79/0067/1] p0051 N79-21761</td>
</tr>
<tr>
<td><strong>BELLS</strong></td>
<td>Biological effects of microwaves, volume 1. A bibliography with abstracts</td>
</tr>
<tr>
<td><strong>Binocular vision</strong></td>
<td>[NTIS/FS-79/0432/9] p0280 N79-32830</td>
</tr>
<tr>
<td><strong>BINARY DATA</strong></td>
<td>Hyperbaric oxygenation. A bibliography with abstracts</td>
</tr>
<tr>
<td>Application of pseudo random binary sequence input to identification of respiratory control dynamics</td>
<td>[NTIS/FS-79/0432/9] p0280 N79-32830</td>
</tr>
<tr>
<td><strong>BINARY SYSTEMS (DIGITAL)</strong></td>
<td>Hypothermia. A bibliography with abstracts</td>
</tr>
<tr>
<td><strong>BIPOLAR SYSTEMS</strong></td>
<td>[NTIS/FS-79/0533/4] p0201 N79-37136</td>
</tr>
<tr>
<td><strong>BIOGRAPHIES</strong></td>
<td>The relationship between the apparent vertical and the vertical horopter — visual perception of luminous line</td>
</tr>
</tbody>
</table>
BIORLECTRIC POTENTIAL

Lung inflation and longitudinal distribution of pulmonary vascular resistance during hypoxia

Effect of hypoxia on mechanical properties of hyperthyroid cat papillary muscle

Passive resistive torques about long bone axes of major human joints

A spherical representation of a human body for visualizing movement

Theoretical foundations of cardiovascular processes

Basic biomechanics equations for cardiovascular flow

Equations on biotransport mechanisms

A three dimensional discrete element dynamic model of the articulated total body model from in flight environments

Prosthesis coupling

Models and Analogues for the Evaluation of Human Respiration, Performance and Protection -- conferences, human tolerance of acceleration, vibration, and shock

Prediction of whole-body response to impact forces in flight environments

Procedures used to generate input data sets for the articulated total body model from anthropometric data

A three dimensional discrete element dynamic model of the spine, head and torso

Application of biodynamic models to the analysis of 8-16 canopy birdnutrike of the spine, head and torso

A criterion for tolerance of repeated shock with tolerance of vibration, part 1

The biodynamic response of the human body and its application to standards

Refinement and validation of a three-dimensional head-spin model

The event related cortical potential as an index of task workload

Evoked potential correlates of display image quality

Infotopographical precordial surface maps in patients with acute myocardial infarction

Electromagnetic fields and power deposition in body-of-revolution models of man

Bilateral and interhemispheric asymmetry of acoustic evoked potentials during monaural acoustic stimulation

elicited acoustic responses to meaningful and meaningless verbal stimuli

Shivering thermogenesis in normal and dystrophic muscle

SUBJECT INDEX

Bioelectrical activity of the brain during 49-day antithorostatic hypokinesia in individuals with early signs of vegetovascular dysfunction

Synchronous brain evoked potential correlates of directed attention in humans

BIOELECTRICITY

Conduction difficulties of vagal origin in flight personnel - significance of intrathoracic data on the bundle of His --- neural activity effects on heart block

Effects of vestibular stimuli on the electrical activity of muscles

Changes in the bioelectrical activity of some cerebral structures in rabbits exposed to microwaves

A hypothesis of plasmonic absorption of RF energy by biological objects

An empirical formula for broad-band SAR calculations of prolate spheroidal models of humans and animals --- Specific Absorption Rate

The effect of impact acceleration on the electrical activity of the brain

Distinctions of influence of the reticular formation of the midbrain on the heart and respiration with exposure to centripetal accelerations

Methods for localization of electrical sources in the human brain and applications to the visual system

Development of electrophysiological indices of neurological toxicity for organophosphate pesticides and depressant drugs

Experimental and theoretical investigations concerning a frequency filter behavior of the human retina regarding electric pulse currents

BIOENGINEERING

MT ANTHROPOMETRY
MT BIODETECTOR
MT BIOENGINEERING
MT BODY MEASUREMENT (BIOLOGY)
MT CARDIOGRAPHY
MT ECOCARDIOGRAPHY
MT ELECTROCARDIOGRAPHY
MT ELECTROMEGNEPHYSIOGRAPHY
MT ELECTROTSUROGRAPHY
MT MAGNETOCARDIOGRAPHY
MT PHOTOECAROGRAPHSY
MT PLETHYSMOGRAPHY
MT SEISMOGRAPHY
MT VECOROCARDIOGRAPHY

Medical technology transfer

A bioengineering simulator of the human visual apparatus

The eccentric spheres model as the basis for a study of the role of geometry and inhomogeneities in electrocardiography

Closed ecology in space from a bioengineering perspective

Serendipitous solution to the problem of culturing Arabidopsis plants in sealed containers for spaceflights of long duration

Prosthetic urinary sphincter

Improved subcutaneous electrode structure

A compact low-volume, self-regenerating artificial kidney

A-26
**,SUBJECT INDEX**,  
Biosiological constraints on thermal protective flight clothing design: A bioengineering analysis p0153 N79-19662  
Application of biodynamic models to the analysis of F=6 canopy birdstrike p0285 N79-31911  
**The validation of biodynamic models**  
P0286 N79-31914  
Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling) p0286 N79-31915  
**Refinement and validation of a three-dimensional head-skin model** *(AD-A062502)* p0307 N79-32826  
**BIOGENESIS**  
**BIOLOGICAL EVOLUTION**  
**BIOGEOCHEMISTRY**  
Organic geochemical studies on kerogen precursors in recently deposited algal mats and oozes p0001 N79-10419  
**A biogeochemical study of the Abu Dhabi algal mats** - A simplified ecosystem p0132 N79-26373  
Chemical fingerprints of life in terrestrial soils and their possible use for the detection of life on Mars and other planets p0136 N79-27929  
Amino acids in southern Raschatka hot springs p0182 N79-33122  
**BIOGRAPHY**  
Paul Bert (NASA-TM-75599) p0055 N79-13687  
**BIOINSTRUMENTATION**  
**MT IMPLANTED ELECTRODES (BIOLOGY)**  
Radio tracking of a fin whale /Balaeonoptera physalus/ p0061 N79-18008  
**Interdisciplinary and international contributions to research on biological effects of electromagnetic waves - Past performances and future challenges** p0129 N79-24878  
A binocular stereoscopic display system for echocardiography p0129 N79-24879  
**The effects of filtering the His-Parkinj system electrocardiograms** p0130 N79-26072  
Use of platinum electrodes for the electrochemical detection of bacteria p0131 N79-26073  
**Devices for synchronizing a digital measuring apparatus with biological signals** p0160 N79-29271  
A tethering system for direct measurement of cardiovascular function in the caged baboon p0200 N79-36576  
Disorder in pulsatile flow - Biomedical measurements with hot film, laser and ultrasound anemometers p0210 N79-39509  
**Computer design synthesis of a below knee-ankle prosthesis** p0251 N79-44300  
Skin-resistance measuring device with higher resolution p0252 N79-45476  
Portable device for detection of petit mal epilepsy p0254 N79-46226  
**Treaseometry as a method of evaluating the functional state of the nervous system of a pilot** p0300 N79-53065  
Continuous long-duration recording of the heart rate by means of a noncontact technique p0300 N79-53068  
**Bioinstrumentation for evaluation of flight workload in payload specialists - Results of ASSEES II** *(TAF PAPER 79-88)* p0302 N79-53291  
**Subcutaneous channeling probe** *(NASA-CASE-ARC-11091-1)* p0025 N79-11684  
**The Physical Basis of Electromagnetic Interactions with Biological Systems** *(NEW-PUB-TDA-78-8055)* p0081 N79-15551  
A wide aperture focussed ultrasound system for detection of breast carcinoma by ultrasonic attenuation p0142 N79-18577  
**Miniature implantable ultrasonic echocardiometer** *(NASA-CASE-ARC-11035-1)* p0144 N79-18580  
**Magnitude estimation as a hearing aid selection procedure** p0246 N79-27038  
**Development and application of resistive pulse spectroscopy: Studies on the size, form and deformability of red blood cells** *(LBL-8640)* p0280 N79-30924  
**BIOLOGICAL ACTIVITY**  
**0 ACTIVITY (BIOLOGY)**  
**0 BIOASSAY**  
**0 BIOLOGICAL CELLS**  
**0 CELLS (BIOLOGY)**  
**0 BIOLOGICAL CLOCKS**  
**0 RHYTHM (BIOLOGY)**  
**BIOLOGICAL EFFECTS**  
The effect of plasmoidal slime on the metabolism of haploid cells of Physarum flavicorne and the respiration of isolated mitochondria p0105 N79-24513  
**Interdisciplinary and international contributions to research on biological effects of electromagnetic waves - Past performances and future challenges** p0129 N79-24878  
**Effects of magnesium, calcium, and serum on reversal of stable L-forms --- of soil bacteria** p0131 N79-26140  
**Effect of ultrasonic irradiation on mammalian cells and chromosomes in vitro** p0134 N79-27239  
**Biological effects of electromagnetic fields** p0184 N79-33711  
**Biological effects of electromagnetic fields** p0184 N79-33712  
**Effect of electromagnetic fields in long-, medium-, and short-wave ranges on biological objects** p0185 N79-33713  
**Cell mechanisms for the biological effects of electromagnetic fields** p0188 N79-35569  
**The Biostack experiment in the U.S. long exposure duration test program** p0227 N79-81230  
**Closed ecology in space from a bioengineering perspective** p0228 N79-81703  
**Genetic effects of cosmic radiation on bacteriophage T4Br/+ /20 materials of biological experiment Soyuz-Apollo/1978** p0229 N79-81708  
**A mechanism for high-frequency electromagnetic field-induced biological damage** p0231 N79-81877  
**Protection standards for microwave and radiofrequency radiations** p0300 N79-52878  
**Killfish development in zero-G on COSMOS 782: Pseudolophius yessoensis** p0021 N79-11659  
**Absence of gastric ulceration in rats after flight on the COSMOS 782** p0021 N79-11660  
**Effects of weightlessness on the genetics and aging process of Drosophila melanogaster** p0023 N79-11673  
**Effect of weightlessness and centrifugation (LXG) on erythrocyte survival in rats subjected to prolonged space flight** p0023 N79-11674  
**COSMOS 936, experiment 8-208: Spaceflight effects on biological systems and cellular structure** p0026 N79-11681  
**Quantitative review of human susceptibility to electromagnetic fields** *(UCID-17773)* p0026 N79-11681
The effects of strong shock waves on mortality rates and percentages of pulmonary lesions in rats as a function of the number of exposures.


Translations on USSR science and technology: Biomedical and behavioral sciences, No. 35.

Effects of nonionizing electromagnetic radiation.

[PPRS-72606] p0078 N79-14736

Effects of microwaves on catecholamine metabolism in the brain.

p0075 N79-14739

Effects of electromagnetic field induction on development of the green algae, Scenedesmus quadricauda (Tropalin) Breb. and composition of free amino acids in its biomass and medium.

p0075 N79-14740

Dependence of the functional activity of liver mitochondria on microwave radiation -- oxidative phosphorylation.

p0075 N79-14741

The adrenosympathetic system in the presence of space flight stress.

Kosmos-605 intestinal mucosa of rats flown aboard Cosmos-605 and Cosmos-690 biosatellites.

p0078 N79-14742

Survey of possible mechanisms of weak electromagnetic field effects and mechanisms.

p0082 N79-15520

Millimeter wave and far infrared absorption in biological systems.

p0082 N79-15523

The effects of alcohol on driver performance in a decision making situation.

p0092 N79-15629

A decision model applied to alcohol effects on driver signal light behavior.

p0092 N79-15630

Meteorological limits on the growth and development of screwworm populations.


Early diagnosis for decompression sickness.

p0107 N79-16513

Changes in the blood found shortly after decompression. Part 2: Experiments on rats.


Chemical protection against ionizing radiation: A survey of possible mechanisms.


The effects of H2SO4 and O3 on the development of the green algae, Scenedesmus quadricauda (Tropalin) Breb. and composition of free amino acids in its biomass and medium.

p0134 N79-20695

The influence of SHE electromagnetic fields on the cell division.

p0173 N79-20739

Biological effects of laser irradiation on nerve cells.

Biomedical and behavioral sciences, no. 59.

Obtaining growth hormone from calf blood.

p0233 N79-31895

Biological effects of nonionizing electromagnetic radiation.

Biomedical and behavioral sciences, no. 81

Innunobiological reactivity of the body under hyperbaric and hypobaric conditions.

p0307 N79-32827

Metabolic and physical scaling in microwave/radiofrequency bioeffects studies.

p0310 N79-33790

Biological effects of nonionizing electromagnetic radiation, volume 3, number 4.

Metabolic and physical scaling in microwave/radiofrequency bioeffects studies.

p0315 N79-33826

Biological effects of nonionizing electromagnetic radiation, volume 3, number 4.

Metabolic and physical scaling in microwave/radiofrequency bioeffects studies.

p0315 N79-33826
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>p0251 #79-36474</th>
</tr>
</thead>
<tbody>
<tr>
<td>the universe</td>
<td>p0186 #79-34469</td>
</tr>
<tr>
<td>A review of recent concepts of the problem of the origin of life</td>
<td>p0221 #79-36041</td>
</tr>
<tr>
<td>Experimental approach to the chemical evolution in the primitive soup II Formation of protocell-like structures 'backgranaules' in a modified sea medium</td>
<td>p0204 #79-37964</td>
</tr>
<tr>
<td>nitrate fermentation in Clostridium perfringens and significance in metabolic evolution</td>
<td>p0205 #79-37968</td>
</tr>
<tr>
<td>Evolution of enzyme function - The coupled oscillator theory</td>
<td>p0205 #79-37970</td>
</tr>
<tr>
<td>Possible contribution of transferable exogenous DNA in prokaryotic evolution</td>
<td>p0205 #79-37971</td>
</tr>
<tr>
<td>The point mutation process in proteins</td>
<td>p0205 #79-37972</td>
</tr>
<tr>
<td>Nucleotide-binding site data and the origin of the genetic code</td>
<td>p0206 #79-37974</td>
</tr>
<tr>
<td>Structure-stability relationship of thermophile TRNA - A model for biological adaptation and limit of life at high temperature</td>
<td>p0206 #79-37976</td>
</tr>
<tr>
<td>Membranous evolution in the primitive cell</td>
<td>p0206 #79-37977</td>
</tr>
<tr>
<td>Subcellular organisms and evolution of cell structure</td>
<td>p0206 #79-37978</td>
</tr>
<tr>
<td>Evolution of early life inferred from protein and ribonuclease sequence</td>
<td>p0206 #79-37980</td>
</tr>
<tr>
<td>The study of the origin of life - Results and prospects</td>
<td>p0206 #79-37981</td>
</tr>
<tr>
<td>The crisis in the problem of the origin of life</td>
<td>p0207 #79-37982</td>
</tr>
<tr>
<td>The importance of the physical laws on the origin and evolution of life</td>
<td>p0207 #79-37983</td>
</tr>
<tr>
<td>The origin of the protein synthesis mechanism</td>
<td>p0207 #79-37984</td>
</tr>
<tr>
<td>Evolution in open systems - Acquisition and conservation of information in biofils</td>
<td>p0207 #79-37985</td>
</tr>
<tr>
<td>Are evolutionary rates really variable - in vertebrate protein chemistry</td>
<td>p0232 #79-42273</td>
</tr>
<tr>
<td>Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermoacidophilic 'archaeobacteria'</td>
<td>p0232 #79-42274</td>
</tr>
<tr>
<td>Carbon suboxide and the genetic code - in biochemical evolution</td>
<td>p0252 #79-40805</td>
</tr>
<tr>
<td>Goodman et al.'s method for augmenting the number of nucleotide substitutions</td>
<td>p0253 #79-45639</td>
</tr>
<tr>
<td>On investigating the statistical properties of the popular path algorithm by computer simulation - Counterconclusions to those of Tateno and Niel - for mutational change in protein evolution</td>
<td>p0253 #79-45640</td>
</tr>
<tr>
<td>A proposal concerning the origin of life on the planet earth</td>
<td>p0253 #79-45641</td>
</tr>
<tr>
<td>Inadequacy of prebiotic synthesis as origin of proteinaceous amino acids</td>
<td>p0253 #79-45643</td>
</tr>
<tr>
<td>Auration algorithm - A reply to Holmquist - for nucleotide substitutions</td>
<td>p0253 #79-45644</td>
</tr>
<tr>
<td>Molecular phylogenetic trees - On the validity of the Goodman-Moore augmentation algorithm</td>
<td>p0253 #79-45645</td>
</tr>
<tr>
<td>Mirror symmetry breaking in biochemical evolution</td>
<td>p0254 #79-45646</td>
</tr>
<tr>
<td>Evolution of the biosphere /2nd enlarged edition/ -- Russian book</td>
<td>p0270 #79-48310</td>
</tr>
<tr>
<td>The organisms and the habitat atmosphere</td>
<td>p0069 #79-12685</td>
</tr>
<tr>
<td>Exobiology and the origin of life - organic compounds in planetary atmospheres and interstellar matter</td>
<td>p0069 #79-12685</td>
</tr>
</tbody>
</table>

| BIOMEDICAL DATA                                                              | p0081 #79-14782 |
| Prebiotic coordination chemistry: The potential role of transition-metal complexes in the chemical evolution | p0169 #79-20715 |
| Publications of the planetary biology program for 1978: A special bibliography | p0319 #79-33954 |
| BIOLOGICAL MODELS                                                           |                 |
| BIOLOGICAL BITTER                                                          |                 |
| BIOLOGY                                                                     |                 |
| Control theory and biosystems: Analysis of homeostatic properties - Russian book | p0186 #79-35506 |
| Biological effects of monitoring electromagnetic radiation. Volume 2, number 4: A digest of current literature | p0055 #79-13689 |
| Some of the problems involved in planning biological experiments             | p0312 #79-33805 |
| BIOMAGNETISM                                                                |                 |
| Biosignature and artificial magnetic stimulation of living structures        |                 |
| Clinical magnetocardiography                                                 |                 |
| BIOMASS                                                                     |                 |
| Effects of electromagnetic field induction on development of the green algae, scenedesmus quadricauda (Turpin) | p0257 #79-18555 |
| Effect of phosphorus supply on algal biomass in a turbid Missouri Reservoir | p0243 #79-27816 |
| Automated biowaste sampling system feces monitoring system                  | p0281 #79-30937 |
| BIOMASS ENERGY PRODUCTION                                                  |                 |
| Impact of large scale aquatic biomass systems                               |                 |
| BIOMECHANICS                                                                |                 |
| BIODETICS                                                                  |                 |
| BIOMEDICAL DATA                                                             |                 |
| Medical control in prolonged space flights                                  |                 |
| The European life sciences experiments onboard the first Spacelab mission    |                 |
| Medical and behavioral sciences, no. 47                                    |                 |
| Medicobiological research within the framework of the scientific program 'Intercosmos' | p0181 #79-32658 |
| Space biology and aerospace medicine                                        | p0226 #79-40734 |
| New inventory for the assessment of symptom occurrence and severity at high altitude | p0273 #79-49991 |
| Follow-up and transversal study of vital capacity and PEV sub values among personnel of the Belgian Army forces | p0003 #79-11226 |
| Translations on Biobio science and technology: Biosocial and behavioral sciences, no. 47 | p0007 #79-12573 |
| Dynamics of Cosmonauts' blood biochemistry during space missions            | p0013 #79-10697 |
| Telemedicine: An expanding new science on land and sea                       | p0072 #79-14717 |
| Regional program for acquisition of medical experiments                      | p0146 #79-19920 |
| Translations on BSSR science and technology: Biosocial and behavioral sciences, no. 50 | p0155 #79-19677 |

A-29
Translations on USSR science and technology: Biomedical and behavioral sciences, no. 60. Systems identification and application systems development for monitoring the physiological and health status of crewmen in space [NASA-CR-160235] p0212 N79-24642
Biomedical ultrasonoscope [NASA-CASE-ARC-10594-2] p0240 N79-26771
Intraocular pressure reduction and regulation system [NASA-TR-79187] p0260 N79-28881

BIOCATICS

Biophysics and public health

Biomedical ultrasonoscope [NASA-CASE-ARC-11035-1] p0144 N79-18580
A long-range and long-life telemetry data-acquisition system for heart rate and multiple body temperatures from free-ranging animals [NASA-TR-78590] p0239 N79-26762
Methods for localization of electrical sources in the human brain and applications to the visual system p0316 N79-33815

BIOCATICS

A biophysical model for evaluating auxiliary heating and cooling systems --- for protective clothing systems design [ASNE PAPER 78-ENAS-33] p0008 N79-12581
Modeling heat transfer through human skin subjected to high external temperatures p0102 N79-23762
Linearization and sensitivity analysis of model for human eye movements p0102 N79-23763
Elements of the theory of biological analyzers --- Russian book p0132 N79-26459
Control systems for robots and manipulators --- Russian book p0135 N79-27303
Electromagnetic power absorption in cylindrical tissue models excited by a loop antenna p0136 N79-27959
ISAAC-1 - A color sensing robot p0138 N79-28168
Can man be calculated - Biological models in aeronautical medicine and engineering p0161 N79-29589
A bioengineering simulator of the human visual apparatus p0166 N79-31180
Selecting the program of motions for a biped walking machine p0166 N79-31490
A two-stage model of visual search p0186 N79-33948
Control theory and biosystems: Analysis of homeostatic properties --- Russian book p0186 N79-34506
Some properties of conservative systems --- walking robot model p0221 N79-35942
A revised model of gas transport in human lungs p0253 N79-45768
Problem of modeling the mechanism of heart contraction p0275 N79-50287
A spherical representation of a human body for visualizing movement p0301 N79-53096
Bio-heat transfer processes, for human thermoregulatory and circulatory characteristics measurements p0304 N79-53536
Refinement and validation of a mathematical model of the human torso p0347 N79-27841
Procedures used to generate input data sets for the articulated total body model from anthropometric data p0284 N79-31903
Refinement and validation of a three-dimensional head-spin model [AD-1062502] p0307 N79-32826

BIOPHYSICS

Biophysical model for evaluating auxiliary heating and cooling systems --- for protective clothing systems design [ASNE PAPER 78-ENAS-33] p0008 N79-12581
The sensory systems --- Russian book on neurophysiology and biophysics research p0042 N79-14369
Model of human heat exchange and identification of its parameters Physiological studies and mathematical modeling p0159 N79-28739
Some forms of adaptation to extreme influences in the blood system

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

Some forms of adaptation to extreme influences in the blood system

Dynamics of the catalase activity of the blood of athletes under the influence of local decompression

Effects of glycogen depletion and work load on postexercise O2 consumption and blood lactate

Changes in blood sugar content of dogs exposed to chronic gas radiation for six years

Effects of laser radiation on morphology of peripheral blood cells in humans under experimental and clinical conditions

Dynamics of Cooperants' blood biochemistry during space missions

Blood lipid changes in hypoxic rats

Gas diffusion liquid storage bag and method of use for storing blood

Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. Volume 1: Design considerations and research protocol

Effect of 49-day space flight on parameters of immunological reactivity and protein composition of blood in the crew of Salyut-5

Effect of methylprednisolone sodium succinate on peripheral blood and bone marrow under chronic gamma radiation for six years

Neurovascular techniques in the evaluation of the peripheral circulation

Evaluation of circulatory reactions in the head to antithrombotic and antiplatelet agents

BLOOD CIRCULATION

MT BRAIN CIRCULATION

MT CORONARY CIRCULATION

MT PERIPHERAL CIRCULATION

MT PULMONARY CIRCULATION

BLOOD FLOW

A-32
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>BLOOD VESSELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disorder in pulsatile flow - Biomedical measurements with hot film, laser and ultrasound anemometers</td>
<td>Effect of oxygen poisoning on the spectrum of lactate dehydrogenase isozymes of rabbit blood plasma</td>
</tr>
<tr>
<td>Lab blood flow - Rest and heavy exercise in sitting and supine positions in man</td>
<td>Comparison of plasma and urinary steroids in men with type A and type B behavior patterns</td>
</tr>
<tr>
<td>A catheter flow probe for measurement of left ventricular source parameters</td>
<td>Sterols bound with blood plasma proteins and erythrocyte membranes during hypoxia</td>
</tr>
<tr>
<td>Clinical usefulness of radiopaque markers in left ventricular function</td>
<td>Electrolyte composition of rat blood plasma and skeletal muscles after flight aboard the Cosmos-690 biosatellite</td>
</tr>
<tr>
<td>Cardiac blood flow measurement - A component of the comprehensive cardiac examination</td>
<td>Influence of pressure chamber conditions on adrenocortical function in man (according to results of assayng blood plasmas in 11-hydroxycorticosteroids)</td>
</tr>
<tr>
<td>Quantitative flow estimation with transcatheter Doppler ultrasound</td>
<td>Effect of cerebrocranial trauma on reactive vessels in the presence of hypoxia</td>
</tr>
<tr>
<td>Application of an isolated heart model to investigate blood-oxygen delivery</td>
<td>The effect of hyperoxia on cerebral blood flow in man</td>
</tr>
<tr>
<td>A directional pulsed-Doppler ultrasonic blood flowmeter</td>
<td>Effect of intermittent hypoxia on functional response to carbon dioxide</td>
</tr>
<tr>
<td>Noninvasive assessment of pulmonary hypertension [PB=285121/0]</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Effect of intermittent hypoxia on functional activity of peripheral blood neutrophils</td>
<td>A new noninvasive technique for cardiac pressure measurement. II Scattering from encapsulated bubbles</td>
</tr>
<tr>
<td>Effect of cerebrocranial trauma on reactive distinctions of hypothalamic and hippocampal vessels in the presence of hypoxia</td>
<td>Cardiac blood flow measurement - A component of the comprehensive cardiac examination</td>
</tr>
<tr>
<td>The effect of hyperoxia on cerebral blood flow in the unanesthetized pony</td>
<td>Beta-adrenoceptor antagonists: Central effects</td>
</tr>
<tr>
<td>A transient analysis of the cerebrovascular response to carbon dioxide</td>
<td>Clinical comparisons of pressure pulse and cardiac output</td>
</tr>
<tr>
<td>Noninvasive techniques in the evaluation of the peripheral circulation</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Mechanics of blood flow through normal and stenotic coronary arteries</td>
<td>Noninvasive cardiovascular measurements --- Book</td>
</tr>
<tr>
<td>Multiple tracer diffusion methods for the evaluation of cerebral capillary permeability and capillary blood flow rate in the rat</td>
<td>A study of noninvasive blood pressure measurement techniques</td>
</tr>
<tr>
<td>Aortic blood flow velocity during exercise in man</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Mechanics of arterial blood flow</td>
<td>A study of some of the factors influencing the left ventricular diastolic pressure-volume relationship and systocardial metabolism</td>
</tr>
<tr>
<td>Mechanics of the microcirculation</td>
<td>Regulation of the carbon dioxide tension in arterial blood during inhalation of carbon dioxide in birds and mammals</td>
</tr>
<tr>
<td>Techniques of measurement</td>
<td>Unsteady-state response of the vascular system to transient and sustained aerospace acceleration profiles</td>
</tr>
<tr>
<td>Ultrasonic doppler directional blood flow velocity meter [RAE-LIB-TRANS-1918]</td>
<td>BLOOD PRESSURE</td>
</tr>
<tr>
<td>Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes</td>
<td>Noninvasive assessment of pulmonary hypertension using bumble ultrasonic ringing (BURP) method, part 2 [PB=283935/5]</td>
</tr>
<tr>
<td>Blood pressure variability of the individual in orthostatic testing</td>
<td>A study of noninvasive blood pressure measurement techniques</td>
</tr>
<tr>
<td>Cardiac blood output, arterial blood pressure, and vascular resistance in rats exposed to various oxygen pressures</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Noninvasive cardiovascular measurements --- Book</td>
<td>Noninvasive assessment of pulmonary hypertension using bumble ultrasonic ringing (BURP) method, part 2 [PB=283935/5]</td>
</tr>
<tr>
<td>Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes</td>
<td>Cardiac blood flow measurement - A component of the comprehensive cardiac examination</td>
</tr>
<tr>
<td>Aortic blood flow velocity during exercise in man</td>
<td>Beta-adrenoceptor antagonists: Central effects</td>
</tr>
<tr>
<td>Physiological fluid dynamics [VIK-LECTURE-SERIES-32]</td>
<td>Clinical comparisons of pressure pulse and cardiac output</td>
</tr>
<tr>
<td>Mechanics of arterial blood flow</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Mechanics of the microcirculation</td>
<td>Noninvasive assessment of pulmonary hypertension using bumble ultrasonic ringing (BURP) method, part 2 [PB=283935/5]</td>
</tr>
<tr>
<td>Techniques of measurement</td>
<td>A study of some of the factors influencing the left ventricular diastolic pressure-volume relationship and systocardial metabolism</td>
</tr>
<tr>
<td>Ultrasonic doppler directional blood flow velocity meter [RAE-LIB-TRANS-1918]</td>
<td>Regulation of the carbon dioxide tension in arterial blood during inhalation of carbon dioxide in birds and mammals</td>
</tr>
<tr>
<td>Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes</td>
<td>Unsteady-state response of the vascular system to transient and sustained aerospace acceleration profiles</td>
</tr>
<tr>
<td>Blood pressure variability of the individual in orthostatic testing</td>
<td>BLOOD PRESSURE</td>
</tr>
<tr>
<td>Cardiac blood output, arterial blood pressure, and vascular resistance in rats exposed to various oxygen pressures</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Noninvasive cardiovascular measurements --- Book</td>
<td>Noninvasive assessment of pulmonary hypertension using bumble ultrasonic ringing (BURP) method, part 2 [PB=283935/5]</td>
</tr>
<tr>
<td>Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes</td>
<td>Cardiac blood flow measurement - A component of the comprehensive cardiac examination</td>
</tr>
<tr>
<td>Aortic blood flow velocity during exercise in man</td>
<td>Beta-adrenoceptor antagonists: Central effects</td>
</tr>
<tr>
<td>Physiological fluid dynamics [VIK-LECTURE-SERIES-32]</td>
<td>Clinical comparisons of pressure pulse and cardiac output</td>
</tr>
<tr>
<td>Mechanics of arterial blood flow</td>
<td>Analyses for noninvasive monitoring of arterial blood pressure by /I/ phonocuff-sphygmomanometry, for discrete measurements and /I/I/ arterial ultrasonic imaging, for continuous measurements</td>
</tr>
<tr>
<td>Mechanics of the microcirculation</td>
<td>Noninvasive assessment of pulmonary hypertension using bumble ultrasonic ringing (BURP) method, part 2 [PB=283935/5]</td>
</tr>
<tr>
<td>Techniques of measurement</td>
<td>A study of some of the factors influencing the left ventricular diastolic pressure-volume relationship and systocardial metabolism</td>
</tr>
<tr>
<td>Ultrasonic doppler directional blood flow velocity meter [RAE-LIB-TRANS-1918]</td>
<td>Regulation of the carbon dioxide tension in arterial blood during inhalation of carbon dioxide in birds and mammals</td>
</tr>
<tr>
<td>Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes</td>
<td>Unsteady-state response of the vascular system to transient and sustained aerospace acceleration profiles</td>
</tr>
</tbody>
</table>

A-33
Influences of physical conditioning and deconditioning on coronary vasculature of dogs

The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxia

Microcinematographic studies

Iodine imaging using spectral analysis

radiography for visualization of small blood vessels

Quantitative flow estimation with transcutaneous Doppler ultrasound

Unsteady-state response of the vascular system to transient and sustained aerospace acceleration profiles

BLOOD VOLUME

Blood volume and cardiorespiratory responses to lower body negative pressure

Pulmonary blood volume and intravascular circulation time in physically trained and untrained subjects

Pulmonary vascular volume and electrolyte shifts with heavy exercise in sitting and supine positions

Effects of regional hemococoncentration during LBNP on plasma volume determinations --- Lower Body Negative Pressure

Investigation of blood subjected to volume tension

Early cardiovascular adaptation to zero gravity simulated by head-down tilt

BLUE GREEN ALGAE

Evolution of early life inferred from protein and ribosomic acid sequences

Distribution of blue-green algae in a Mississippi Gulf Coast salt marsh

Citric acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms

RBC

BODY MINERAL CONTENT

BOATS

Human factors analysis of visual distress

signaling devices --- used by boaters

BOThE Bloomington MEASUREMENT (BIOLOGY)

ELECTROPHYSIOLOGY

ANTHROPOLOGY

KINESICS

BIBLIOGRAPHY

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5. On a basic model of circulatory, fluid, and electrolyte regulation in the human system based upon the model of Guyton

6. Study report on modification of the long term circulatory model for the simulation of bed rest

7. Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-4 station

8. Physiological fluid dynamics

9. Techniques of measurement

10. Composition of cerebral fluids in goats adapted to high altitude

11. Fluid-electrolyte metabolism in the crew of Salyut-4

BODY MEASUREMENT (BIOLOGY)

Hybridization of biomedical circuitry


4. Recognition of biomechanical circuitry

5. Miniature implantable ultrasonic echosonometer

6. BLOOD FLUIDS

7. MT BLOOD

8. MT CEREBROSPINAL FLUID

9. MT ERYTHROCYTES

10. MT LYMPHOCYTES

11. MT LYMPH

12. MT BLOOD

13. MT WHITE BLOOD CELLS

14. MT ERYTHROCYTES

15. MT LYMPHOCYTES

16. MT LYMPH

17. MT BLOOD

18. MT WHITE BLOOD CELLS

19. MT ERYTHROCYTES

20. MT LYMPHOCYTES

21. MT LYMPH

22. MT BLOOD

23. MT WHITE BLOOD CELLS

24. MT ERYTHROCYTES

25. MT LYMPHOCYTES

26. MT LYMPH

27. MT BLOOD
BODY TEMPERATURE

Effect on mice of microwaves in the non-thermal region. Respiration, rectal temperature and mental reaction.

Microwave thermography: Physical principles and diagnostic applications.

Effect on mice of microwaves in the non-thermal intensity region. Respiration, rectal temperature and mental reaction.

BODY SWAY TEST

Body sway test: Analysis of body sway using biostereometrics.

United States Army anthropometry: 1946-1977

BODY SIZE (BIOLOGY)

Anthropometry in sizing and design.

BODY TEMPERATURE REGULATION

Effect on performance of cycling deep body temperature on task performances.

Separation of the effects of raised skin and core temperature on performance of a pursuit rotor task.

Regional heat loss in resting man during immersion in 25.2°C water.

Effect of induced cyclic changes of deep body temperature on task performances.

Effect on performance of cycling deep body temperature between 37.0 and 37.6°C.

Bio-heat transfer processes, for human thermoregulatory and circulatory characteristics measurements.

Microwave thermography: Physical principles and diagnostic applications.

Effect on mice of microwaves in the non-thermal intensity region. Respiration, rectal temperature and mental reaction.

Crawford and Lavoisier on the method of development and place of formation of body heat.

BODY WEIGHT

MICROSCOPES

Effect on performance of cycling deep body temperature between 37.0 and 37.6°C.

Bio-heat transfer processes, for human thermoregulatory and circulatory characteristics measurements.

Microwave thermography: Physical principles and diagnostic applications.

Effect on mice of microwaves in the non-thermal intensity region. Respiration, rectal temperature and mental reaction.

Crawford and Lavoisier on the method of development and place of formation of body heat.
The application of NINIQUASI to thermal program boundary and initial value problems

The relationship between classical centers of the auditory tract and certain 'nonspecific' brain structures in the organization of the auditory function in animals

Bilateral and interhemispheric asymmetry of acoustic evoked potentials during monocular acoustic stimulation

The inhibitory trace effect as a manifestation of the integrative activity of the human brain in performing voluntary motor acts

Effect of electroconvulsive shock on monoaminergic receptor binding sites in rat brain

Synaptosomal uptake of hypothalamic monoamines and recovery of pituitary-adrenal activity following aeral forebrain bundle lesions in rats

Elicited acoustic responses to meaningful and meaningless verbal stimuli.

The effect of normobaric hyperoxia on brain and liver tissue respiration in albino rats with different resistances to hypoxia

Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite

Effects of microwaves on catecholamine metabolism in the brain

Possible mechanisms of weak electromagnetic field coupling in brain tissue

Bioelectrical activity of the brain during 49-day natriorthostatic hypokinesia in individuals with early signs of vegetovascular dysfunction

Effects of filtering electroencephalographic signals on auditory evoked brain stem responses

The effects of brain ischemia on the control of breathing in unanaesthetized goats

Dose-effect relationships for ultrasound irradiation of brain tissue

The effect of impact acceleration on the electrical activity of the brain

Composition of cerebral fluids in goats adapted to altitude

Distinctions of influence of the reticular formation of the midbrain on the heart and respiration with exposure to centrifugal accelerations

Methods for localization of electrical sources in the human brain and applications to the visual system

Cerebral gas exchange in rats adapted to hypoxia during inspiration of oxygen-poor mixtures

Responses of pial arterioles after prolonged hypercapnia and hypoxia in the awake rabbit

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting

Diagnostics of initial deficiency in cerebral circulation

Self-regulation of cerebral circulation under orthostatic influences

Cerebral hemodynamics and visual analyzer function following exposure to bright light

Ruptured arteriovenous anomaly in a former woman astronaut candidate

Changes in the bioelectrical activity of some cerebral structures in rabbits exposed to microwaves

Aircrew helmet protection against potential cerebral concussion in low-sagittae impacts

Effects of high-LET neon Xe-201 particle radiation on the brain, eyes and other head structures of the pocket mouse - a histological study

Effect of cerebrocranial trauma on cognitive distinctions of hypothalamic and hippocampal vessels in the presence of hypoxia

The child in coma

Coma recovery

The control and prevention of seizures in children, a developmental and environmental approach

Vision

The application of remote sensors to a model for fish mapping

Distribution of pulmonary ventilation and perfusion during short periods of weightlessness

Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen

Contribution of rib cage and abdomen-diaphragm tidal volume during CO2 rebreathing

Positive pressure breathing as a protective technique in +Gz acceleration

Distribution of regional volumes and ventilation in excised canine lobes

Influence of exercise and CO2 on breathing pattern of normal man

Gas exchange under environmental stress

The objective evaluation of aircrew protective breathing equipment. III - Improved types of mask/goggles combinations. IV - Full-face masks and hoods suitable for flight attendant use

The dynamic oxygen-regulator test stand

Cerebral hemodynamics and visual analyzer function following exposure to bright light

Perceived quantization error. Effect of quantization function, reconstruction function and number of levels

An empirical formula for broad-band SAR calculations of prostate spheroidal models of humans and animals

Modeling the effect of axial bronchial tension on

C-135 AIRCRAFT
Visual system for the Boom Operator Part Task Trainer --- KC-135 aerial refueling task simulator.

C-141 AIRCRAFT
Study of crew task loading on the C-141A aircraft.

CABIN ATMOSPHERES
NY SPACECRAFT CABIN ATMOSPHERES
Analysis of climatic data and cockpit thermal conditions at a fighter base in North West India. Effect of hypoxia on animal resistance to chemical agents.

CADMIUM
The distribution of cadmium and other metals in human tissues. The lymph nodes and lymph vessels of the white rat. Isolation of virus-augmented tumor antigens. The dangerous relation between sunburn and skin cancer.

CALCIUM
Thresholds for Na+/+ and Ca++/ effects on calcium ion activity due to magnesium, calcium, and serum on thermoregulation.

CARCANIES
Effects of calcium on ion activity due to magnesium, calcium, and serum on reversion of stable L-forms --- of soil bacteria.
Internal cockpit reflections of external point light sources for the model TAH-64 advanced attack helicopter
[AD-A0556895] p0033 N79-11744

CAPILLARIES (ANATOMY)
Capillary fragility during air exposure of man to 1-5 ATA and after decompression
[p0010 A79-12863]

Multiple tracer diffusion methods for the evaluation of cerebral capillary permeability and capillary blood flow rate in the rat
[p0169 N79-20712]

CAPILLARY CIRCULATION
Capillary flow
Correction of transcapillary exchange in man under the influence of rotation on a centrifuge while immersed in water
[p0110 N79-16533]

Mechanisms of the microcirculation
[p0247 N79-27847]

CARBON DIOXIDE METABOLISM
The effect of plasmoidal slime on the metabolism of haploid cells of Physarum flaviocorus and the respiration of isolated mitochondria
[p0105 A79-29513]

Energetic aspects of adaptation --- Russian book on metabolic responses to stress
[p0167 A79-39906]

Glucose metabolism in rat lung during exposure to hyperbaric O2
[p0221 A79-39057]

Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of C14/15-o-glucose in diabetic rats
[p0252 A79-48797]

COSMOS 936, experiment K206: The effects of space flight on some liver enzymes concerned with carbohydrate and lipid metabolism in the rat
[p0023 N79-11675]

Carbohydrate metabolism of the stimulated diaphragm muscle
[p0050 N79-12689]

Effects of intercisternal magnetic field on activity of carbohydrate metabolism enzymes and oxygen uptake in testicular tissue
[p0075 N79-14738]

Effect of brief head-down position on parameters of carbohydrate metabolism and beta lipoprotein content of blood
[p0311 N79-33797]

CARBON DIOXIDE CONCENTRATION
Responses of conscious rabbits to CO2 at ambient temperatures of 5, 20, and 35 C
[p0277 A79-59904]

CARBON DIOXIDE REMOVAL
The dependence of the CO2 removal efficiency of LiOH on humidity and mesh size --- in spacecraft life support systems
[ASME PAPER TA-EMAS-5] p0096 A79-12554

Electrochemically regenerable carbon dioxide absorber

CARBON DIOXIDE TENSION
MT HYPERCAPNIA
MT HYPOCAPNIA
Analysis of Pco2 differences during rebreathing due to slow pH equilibration in blood
[p0006 N79-32100]

Mechanisms of the regulation of the respiratory system in man
[p0160 N79-29258]

CARBON ISOTOPES
MT CARBON 14
CARBON MONOXIDE
Synthesis of organic compounds from carbon monoxide and water by UV photolysis
[p0099 A79-22077]

The effects of carbon monoxide on dual-task performance
[p0161 A79-29716]

The effects of carbon monoxide and cyanide on the brain
[p0024 A79-11682]

The interaction of carbon monoxide and altitude on aviator performance: Pathophysiology of exposure to carbon monoxide
[AD-A055212] p0056 A79-13694

Translations on 11358 science and technology: O2 and carbon dioxide production in humans. Report 2: Biochemical and behavioral sciences, 1978 (JPRS-72588)
[p0076 A79-14745]

Liberation of carbon monoxide by man working in protective gear
[p0076 A79-14748]

A study of cerebral blood flow in the goat. A. Correlations between the ventilatory and cerebrovascular responses to carbon monoxide inhalation. B. The dynamics of the cerebral blood flow response to hypoxia by frequency response analysis
[p1077 A79-16510]

Effects of oxides on nitrogen, Carbon monoxide and photochemical oxidants on the ECG during exercise and on cardiopulmonary function
[99-2915929] p0177 A79-21763

CARBON MONOXIDE POISONING
Developmental and histological responses to low level exposure of carbon monoxide in mice
[p0046 A79-16099]

Carbon monoxide and human time discrimination - Failure to replicate Boed-Vertheim experiments
[p0102 A79-22472]

Characteristics of serious carbon monoxide poisoning
[p0167 N79-32700]

The combined effect of carbon monoxide and norococar hyperoxia on animals
[p0073 N79-14730]

CARBON SUBOXIDES
Carbon suboxide and the genetic code --- in biochemical evolution
[p0073 N79-14730]
CARDIOLOGY

CARDIOGRAPHY

CARCINOGENS

CARCINOGENS

CARBONYL ACIDS

CARBOXYLIC ACIDS

CARBOXYLATION

CARBON 14

Computer quantitation of coronary angiograms
Clinical applications of new echocardiographic techniques
Biomagnetic instrumentation and measurement
Clinical magnetocardiography
Application of an isolated heart model to investigate blood-oxygen delivery
Possibilities and perspectives of tetrapolar transcutaneous impedance rheophotopyography in noninvasive studies of hemodynamic phenomena
The metabolic demand and oxygen supply of the heart - Physiologic and clinical considerations
Temporal relation between onset of cell anoxia and ischemic contracture failure
Difficulties posed by left axis deviation in the evaluation of fliers, and their relations to the concept of left anterior hemiblock
Cardiologic evaluation in 115 pilots: Diagnoses and assessment of their flying fitness
Normal and pathological cardiovascular findings in applicants to the Air Force service
Clinical comparisons of pressure pulse and indicator dilution methods of determining cardiac output
A correlation of the effects of cationic uncouplers on intact cardiac muscle and on calcium bound to isolated cardiac muscle plasma membranes
Technical evaluation report on the Aerospace Medical Panel London Specialists' Meeting, Fall 1977 -- disease prevention, flight fitness, and cardiovascular reactions by the orthostatism test
Specific findings in cardiology and pulmonary function with special emphasis on assessment criteria for flying
Cardiovascular system

CARDIOVASCULAR SYSTEM

CARDIOGRAPHY

CARCINOGENS

CARCINOGENS

CARBONYL ACIDS

CARBOXYLIC ACIDS

CARBOXYLATION

CARBON 14
<table>
<thead>
<tr>
<th>Subject Index</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age trends in the cardiovascular dynamics of aircrews</td>
<td>p0136 A79-27560</td>
</tr>
<tr>
<td>Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads</td>
<td>p0160 A79-29270</td>
</tr>
<tr>
<td>Early cardiovascular adaptation to simulated zero gravity</td>
<td>p0162 A79-29727</td>
</tr>
<tr>
<td>Cardiac responses of dogs to nonsynchronous and heart synchronous whole-body vibration</td>
<td>p0162 A79-29728</td>
</tr>
<tr>
<td>Incidence of cardiovascular problems among flying personnel and their evaluation</td>
<td>p0182 A79-31186</td>
</tr>
<tr>
<td>Cardiac changes during behavioral stress in dogs</td>
<td>p0200 A79-36575</td>
</tr>
<tr>
<td>Specific problems in cardiovascular fluid dynamics measurements</td>
<td>p0210 A79-39506</td>
</tr>
<tr>
<td>Continuous metabolic and cardiovascular measurements on a monkey subject during a simulated 6-day Spacelab mission</td>
<td>p0229 A79-41173</td>
</tr>
<tr>
<td>Isolation of a shock-induced circulating cardiodepressant substance</td>
<td>p0257 A79-46967</td>
</tr>
<tr>
<td>Noninvasive cardiovascular measurement book</td>
<td>p0293 A79-51026</td>
</tr>
<tr>
<td>Current status of cardiovascular imaging by transmission computed tomography</td>
<td>p0294 A79-51032</td>
</tr>
<tr>
<td>A new noninvasive technique for cardiac pressure measurement, II. Scattering from encapsulated bubbles</td>
<td>p0298 A79-51038</td>
</tr>
<tr>
<td>Clinical applications of new echocardiographic techniques</td>
<td>p0295 A79-51040</td>
</tr>
<tr>
<td>Cardiac blood flow measurement - A component of the comprehensive cardiac examination</td>
<td>p0295 A79-51041</td>
</tr>
<tr>
<td>Time course of O2-pulse during various tests of aerobic power</td>
<td>p0297 A79-52028</td>
</tr>
<tr>
<td>Theoretical foundations of cardiovascular processes --- Book</td>
<td>p0304 A79-53531</td>
</tr>
<tr>
<td>Basic biomechanics equations for cardiovascular flow</td>
<td>p0304 A79-53534</td>
</tr>
<tr>
<td>Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation</td>
<td>p0015 A79-10709</td>
</tr>
<tr>
<td>Cardiovascular, metabolic, and respiratory responses of sedentary females to equal metabolic workloads on the bicycle ergometer and treadmill</td>
<td>p0028 A79-11681</td>
</tr>
<tr>
<td>Experience with periodic aviation medical examinations</td>
<td>p0026 A79-11696</td>
</tr>
<tr>
<td>Beta-adrenoceptor antagonists: Central effects</td>
<td>p0027 A79-11702</td>
</tr>
<tr>
<td>Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying - NASAD-CP-231</td>
<td>p0028 A79-11705</td>
</tr>
<tr>
<td>Reproducibility of human cardiovascular responses to orthostatic stress</td>
<td>p0030 A79-11720</td>
</tr>
<tr>
<td>Evaluation of cardiac risk and subject response to accentuating efforts</td>
<td>p0031 A79-11723</td>
</tr>
<tr>
<td>Cardiovascular diseases as a cause of unfitness for flying service in aircrews of Italian Air Force: Etiopathogenesis, influence of performance in flight, and prevention</td>
<td>p0031 A79-11725</td>
</tr>
<tr>
<td>Cardiovascular fitness of pilots of transport aircraft</td>
<td>p0031 A79-11726</td>
</tr>
<tr>
<td>Cardiovascular studies of reducing and oxidizing agents</td>
<td>p0049 A79-12682</td>
</tr>
<tr>
<td>Development of high-resolution ultrasonic imaging techniques for detection and clinical assessment of cardiovascular disease</td>
<td>p0052 A79-12703</td>
</tr>
<tr>
<td>Development of high-resolution ultrasonic imaging techniques for detection and clinical assessment of cardiovascular disease</td>
<td>p0085 A79-15581</td>
</tr>
<tr>
<td>Aircraft flight simulation of Spacelab experiment using an implanted telemetry system to obtain cardiovascular data from the monkey</td>
<td>p0147 A79-19022</td>
</tr>
<tr>
<td>Noninvasive techniques in the evaluation of the peripheral circulation</td>
<td>p0154 A79-19675</td>
</tr>
<tr>
<td>Cardiac adaptation to endurance training: determined by echocardiography and electrophysiology</td>
<td>p0194 A79-23648</td>
</tr>
<tr>
<td>The effects of active and passive heat acclimatization procedures on the cardiovascular, thermoregulatory, and sweat rate responses to work in the heat in male humans</td>
<td>p0195 A79-23651</td>
</tr>
<tr>
<td>Physiological systems integrations with emphasis on the respiratory-cardiovascular system</td>
<td>p0213 A79-24643</td>
</tr>
<tr>
<td>User's instructions for the cardiovascular Walters Book</td>
<td>p0213 A79-26240</td>
</tr>
<tr>
<td>User's instructions for the cardiovascular Walters model to simulate LMBP and tilt experiments, with graphic capabilities</td>
<td>p0218 A79-25724</td>
</tr>
<tr>
<td>User's instructions for the Spacelab cardiovascular model to simulate LMBP and tilt experiments, with graphic capabilities</td>
<td>p0219 A79-25732</td>
</tr>
<tr>
<td>Study report on guidelines and test procedures for investigating stability of nonlinear cardiovascular control system models</td>
<td>p0219 A79-25734</td>
</tr>
<tr>
<td>Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system</td>
<td>p0245 A79-27831</td>
</tr>
<tr>
<td>Characterization of cardiovascular function by automated monitoring of cardiac contractility and left ventricular wall motion activity</td>
<td>p0247 A79-27842</td>
</tr>
<tr>
<td>Cardiovascular diseases, volume 3. A bibliography with abstracts</td>
<td>p0260 A79-28874</td>
</tr>
<tr>
<td>Possibility of improving assessment of cardiac-pulmonary function by submaximal exercise on a bicycle ergometer</td>
<td>p0279 A79-30918</td>
</tr>
<tr>
<td>Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling)</td>
<td>p0286 A79-31915</td>
</tr>
<tr>
<td>The causes of decrements in aircrew performance: physiological changes produced by vibration and other environmental stresses and response of the cardiovascular system to vibration and combined stress</td>
<td>p0318 A79-33845</td>
</tr>
</tbody>
</table>

CARGO AIRCRAFT

<table>
<thead>
<tr>
<th>Subject Index</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of high-resolution ultrasonic imaging techniques for detection and clinical assessment of cardiovascular disease</td>
<td>p0085 A79-15581</td>
</tr>
<tr>
<td>Aircraft flight simulation of Spacelab experiment using an implanted telemetry system to obtain cardiovascular data from the monkey</td>
<td>p0147 A79-19022</td>
</tr>
<tr>
<td>Noninvasive techniques in the evaluation of the peripheral circulation</td>
<td>p0154 A79-19675</td>
</tr>
<tr>
<td>Cardiac adaptation to endurance training: determined by echocardiography and electrophysiology</td>
<td>p0194 A79-23648</td>
</tr>
<tr>
<td>The effects of active and passive heat acclimatization procedures on the cardiovascular, thermoregulatory, and sweat rate responses to work in the heat in male humans</td>
<td>p0195 A79-23651</td>
</tr>
<tr>
<td>Physiological systems integrations with emphasis on the respiratory-cardiovascular system</td>
<td>p0213 A79-24643</td>
</tr>
<tr>
<td>User's instructions for the cardiovascular Walters Book</td>
<td>p0213 A79-26240</td>
</tr>
<tr>
<td>User's instructions for the cardiovascular Walters model to simulate LMBP and tilt experiments, with graphic capabilities</td>
<td>p0218 A79-25724</td>
</tr>
<tr>
<td>User's instructions for the Spacelab cardiovascular model to simulate LMBP and tilt experiments, with graphic capabilities</td>
<td>p0219 A79-25732</td>
</tr>
<tr>
<td>Study report on guidelines and test procedures for investigating stability of nonlinear cardiovascular control system models</td>
<td>p0219 A79-25734</td>
</tr>
<tr>
<td>Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system</td>
<td>p0245 A79-27831</td>
</tr>
<tr>
<td>Characterization of cardiovascular function by automated monitoring of cardiac contractility and left ventricular wall motion activity</td>
<td>p0247 A79-27842</td>
</tr>
<tr>
<td>Cardiovascular diseases, volume 3. A bibliography with abstracts</td>
<td>p0260 A79-28874</td>
</tr>
<tr>
<td>Possibility of improving assessment of cardiac-pulmonary function by submaximal exercise on a bicycle ergometer</td>
<td>p0279 A79-30918</td>
</tr>
<tr>
<td>Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling)</td>
<td>p0286 A79-31915</td>
</tr>
<tr>
<td>The causes of decrements in aircrew performance: physiological changes produced by vibration and other environmental stresses and response of the cardiovascular system to vibration and combined stress</td>
<td>p0318 A79-33845</td>
</tr>
</tbody>
</table>
PARADOXICAL REACTION OF SOME INTRACELLULAR MEMBRANES ON THE RESPONSE OF EXPERIMENTAL PIGS TO CHRONIC IRRADIATION.

MODELING AND SIMULATION STUDIES OF MEMBRANE DIFFUSION AND TRANSPORT.

RAMAN SPECTROSCOPY OF BIOLOGICAL MEMBRANES.

THE EFFECT OF INFECTION WITH HERPES SIMPLEX VIRUS ON CULTURED TOTIPOTENT CELLS.

WAVELENGTH DEPENDENCE OF ULTRAVIOLET-ENHANCED REACTIVITY AND INDUCTION OF MALEAL VIRUSES.

THE EFFECT OF INFECTION WITH HERPES SIMPLEX VIRUSES ON THE FUNCTION OF ERYTHROCYTES.

NEURONAL ACTIVITY OF THE RAT HYPOTHALAMUS AFTER FLIGHT ABOARD THE COSMOS-782 BIORADISSATE.

THEORETICAL AND EXPERIMENTAL STUDIES OF THE HYDROGEN BOMBS ON THE BIOLOGICAL SYSTEM.

THE EFFECT OF OXYGEN POISONING ON THE SPECTRUM OF HEMOGLOBIN.

THE EFFECTS OF MICROWAVES ON CATECHOLAMINE METABOLISM.

SUSTAINED OPERATIONS AND SLEEP DEPRIVATION - EFFECTS ON INDICES OF STRESS.

CATIONIC ATOMIC SPECIES AS REAGENTS IN THE CATALYSIS OF BIOLOGICAL REACTIONS.

THE DESIGN AND CONSTRUCTION OF A MINIATURE DOSIMETER FOR THE STUDY OF THE EFFECTS OF AIR DECOMPRESSION SICKNESS IN RATS AND HUMANS.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CARROT (DAUCUS CAROTA L.) AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CARROT (DAUCUS CAROTA L.) AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.

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THE MORPHOGENETIC RESPONSES OF CULTURED TOTIPOTENT CELLS OF CERATOPHYLLUM DENSICAPITUM AT ZERO GRAVITY.
CENTRAL NERVOUS SYSTEM

Study of model membrane fusion using photon correlation spectroscopy -- lipid bilayer phase transition in cell membranes

Effect of infra-low-frequency magnetic fields on cell division

A method for separating biological cells

Effects of propellant hydrazines on red blood cells: Methemoglobin and Heinz body formation

Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation

Purification and cultivation of human pituitary growth hormone secreting cells

Preparation of guinea pig macrophage for electrophoretic experiments in space

Biological effects of laser irradiation on nerve cells

Study of pharmaceutical industrial problems

Cell biology basis for the life of an organism in the radiation field

Studying the state of cellular metal ions by the extended X-ray absorption fine structure

Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system

Central Nervous System

AT BRAIN

AT CEREBRAL CORTEX

AT HIPPOCAMPUS

AT SPINAL CORD

AT SPIKE

How does the saccadic eye movement controller adapt for pathological states

Study of specific effects of hyperfrequencies on the central nervous system. II - Exploratory research on rat /histary/ behaviour

A model for vestibular function in altered gravitational states

Fat behavior in maze after flight aboard Kosmos-690 biosatellite

The effects of carbon monoxide and cyanide on the brain

Potential relationship between human central nervous system injury and impact forces based on primate studies

Centrifugal Force

Effect of weightlessness and centrifugation (LXG) on erythrocyte survival in rats subjected to prolonged space flight

Quantitative analysis of selected bone parameters

Investigations into the importance of the direction of centrifugal forces acting on the human body

Centrifugal Forces on Human Centrifuges

Centrifuging Distinctions of influence of the reticular formation of the midbrain on the heart and respiration with exposure to centrifugal accelerations

Centrifuging Stress

Geotropism of hornet comb construction under persistent acceleration

Studies on the erythron and the ferrokinetic responses in beagles adapted to hypergravity

Subject Index

Special test for astronaut selection - Tests of tolerance in the centrifuge and in flight

Relaxed +Gz tolerance in healthy men - Effect of age

Incapacitation time for +Gz-induced loss of consciousness

RBC-fCr-51/ half-life and albumin turnover in rats

Effect of microwave radiation on the resistance of rats to transverse acceleration loading

CENTRIFUGAL FORCE

Distinctions of influence of the reticular formation of the midbrain on the heart and respiration with exposure to centrifugal accelerations

CENTRIPETAL FORCE

Lateral orientation and cerebral activation - Considerations for information display

The related cortical potential as an index of task workload

Role of the frontal associative region of the cortex in the activity of the auditory and visual sensory systems

Piecewise Fourier analysis of images and the role of occipital, temporal and parietal cortex in visual perception

Self-regulation of cerebral circulation under orthostatic influences

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

Responses of retinal and visual pathway potentials of the guinea pig to nitrogen and helium at high pressure

The visual cortex of normal and deprived monkeys

Tissular respiration of the brain after exposure of rats to hypertoxic helium and oxygen mixtures at atmospheric and elevated pressure

The effect of hyperoxia on cerebral blood flow in the unanesthetized pony

A transient analysis of the cerebrovascular response to carbon dioxide

Multiple tracer diffusion methods for the evaluation of cerebral capillary permeability and capillary blood flow rate in the rat

Cerebral Vascular Accidents

Cerebral accident subsequent to G-force loading - A case report

Cerebrospinal Fluid

Responses of pial arteries after prolonged hypercapnia and hypoxia in the awake rabbit

Composition of cerebrospinal fluids in goats adapted to high altitude

Cerebrovascular Determination of cerebral and neck subcutaneous tissue P02 with 3 and 44 hypercapnia and hypoxia in the awake rabbit

p0047 A79-15948

p0066 A79-15945

p0047 A79-18956

p0102 A79-23475

p0121 A79-14711

p0287 A79-31908

p0219 A79-25756

p0275 A79-50496

p0312 A79-33800

p0037 A79-13194

p0038 A79-13208

p0208 A79-38186

p0043 A79-14371

p0026 A79-43205

p0207 A79-23057
Composition of cerebral fluids in goats adapted to high altitude

A study of cerebral blood flow in the goat. A. Correlations between the ventilatory and cerebrovascular responses to carbon monoxide inhalation. B. The dynamics of the cerebral blood flow response to hypoxia by frequency response analysis

CERTIFICATION

Ergonomic tests in expert medical certification of flight personnel

Characteristics of medically disqualified airmen applicants in calendar years 1975 and 1976 (NASA-AM-78-25)

CHARGE-YOUGHT MILITARY AIRCRAFT

CF-104 AIRCRAFT
F-104 AIRCRAFT
CHAIRS
3 SEATS
CHALCOGENIDES
ST CARBON DIOXIDE
ST CARBON MONOXIDE
ST CARBON SULFIDES
ST HYDROGEN SULFIDE
ST NITROGEN DIOXIDE
ST NITROGEN OXIDES
ST NITROGEN TETROXIDE
ST SULFUR DIOXIDES
ST SULFUR OXIDES

CHANNEL CAPACITY

Test of the 10 bits/sec channel-capacity hypothesis for human tracking

CHAPMAN-JOUGET FLAME

0 CHEMICAL EQUILIBRIUM

CHARCOAL
ST ACTIVATED CARBON

CHARGE SEPARATION

0 POLARIZATION (CHARGE SEPARATION)

CHARGED PARTICLES
ST Beta PARTICLES
ST IONS
ST ELECTRONS
ST METAL IONS
ST POSITIVE IONS

CHECKOUT EQUIPMENT

0 TEST EQUIPMENT

CHEMICAL ANALYSIS

0 GAS ANALYSIS

0 POTENTIOMETRIC ANALYSIS

0 QUANTITATIVE ANALYSIS

0 SPECTROSCOPIC ANALYSIS

0 URINALYSIS

Microanalytical identification of barium sulphate crystals in statoliths of Chaet殴phorus vulgaris CHERN. 1975. W97-21744 Effects of propellant hydrasines on red blood cells: Metahemoglobin and Heinz body formation

CHEMICAL BONDS

A molecular description of oxygen binding to hemoglobin

Binding of biologically active agents to plasma proteins (CL-1977-22)

CHEMICAL COMPOSITION

ST CARBON DIOXIDE CONCENTRATION

Effects of dietary composition on nutritional state in rats during exposure to high altitude

Preliminary design specifications of a calcium model (NASA-CR-160199)

CHEMICAL COMPOUNDS

Chemicals identified in human biological media, a pilot literature survey (PR-250690/7)

Acute toxicity of a number of chemicals of interest to the Air Force (AD-4067313)

CHEMICAL EFFECTS

Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite
Experimental approach to the chemical evolution in the primordial sea. I - Formation of amino acids and amino acid polymers in modified sea mediums

Prebiotic synthesis of amino acids by carboxylation of amines in oxidative atmosphere

Incorporation of sulphur in chemical evolution

A simple analogical model for the selection of optical activity and of the most efficient catalysts in the course of molecular evolution

Quantitative aspects of the effect of weak interaction during chemical evolution

Experimental approach to the chemical evolution in the primordial sea. II - Formation of protocell-like structures 'earigranules' in a modified sea medium

Takeover mechanisms and early biochemical evolution

Sulfate-reducing bacteria and biochemical evolution

Some characteristic features of the origin and evolution of the amino acid composition of proteins - A theoretical consideration

Evolution of transfer RNA

Epimerization of l-isoleucine on P.-montmorillonite and its implication to Precambrian chemical fossils

The study of the origin of life - Results and prospects

The crisis in the problems of the origin of life

A critical assessment of the origin of life

Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermoacidophilic 'archaebacteria'

Carbon suboxide and the genetic code --- in biochemical evolution

Goodman et al.'s method for augmenting the number of nucleotide substitutions

On investigating the statistical properties of the populous path algorithm by computer simulation - Counterconclusions to those of Tateno and Nei - for mutational change in protein evolution

A proposal concerning the origin of the life on the planet earth

Polymers produced by heating an amino acid mixture in sea water enriched with transition elements

Mirror symmetry breaking in biochemical evolution

Prebiotic coordination chemistry: the potential role of transition-metal complexes in the chemical evolution

Publications of the planetary biology program for 1971: A special bibliography

Publications of the planetary biology program for 1978: A special bibliography

CHEMICAL FUELS

CHEMICAL KINETICS

CHEMICAL PROPERTIES

CHEMICAL REACTIONS

CHEMICAL TESTS

CHEMICAL SHIFTS

CHEMICAL TESTS

CHEMICAL TESTS
The systems analytic approach to the problem of human circadian physiology: Internal organization of temperature, sleep-wake and neuroendocrine rhythms monitored in an environment free of time cues

Heavy physical work, sleep deprivation, and caloric deficit

Circadian rhythms of electrolyte uresis in healthy persons

The importance of light, postural and social cues in the regulation of the plasma cortisol rhythms in man

Stability of circadian system of the body

Task complexity and 24-h performance patterns in morning and evening active subjects

Human circadian physiology: Internal organization of temperature, sleep-wake and neuroendocrine rhythms monitored in an environment free of time cues

The development of a whole-body algorithms

Radiofrequency radiation levels and population exposure in urban areas of the eastern United States

Evaluation of exercise-respiratory system modifications and integration schemes for respiratory-circulatory system integration scheme

Study report on modification of the long term circulatory model for the simulation of bed rest

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems

Measurements of radiofrequency field intensity in buildings with close proximity to broadcast stations

Radiofrequency radiation levels and population exposure in urban areas of the eastern United States
Possibility of improving assessment of
cardio-pulmonary function by submaximal exercise
on a bicycle ergometer
(TELL-775-11657)

CLOSED ECOLOGICAL SYSTEMS
Developing closed life support systems for large
space habitats
(AIAA PAPER 79-1405)
Space biology and medicine
(AIAA PAPER 79-1409)

CLOSED LOOP SYSTEMS
U FEEDBACK CONTROL
CLOSTRIDION BOTULINIUM
The effect of ultrasound on botulin toxin
[AD-405954]

CLOSED LOOPS
A fluid-mechanical study of the closure of heart
valves

CLOTHING
U FABRICS
CLOTHES
NT BOOTS (FOOTWEAR)
NT COFFERALLS
NT FLIGHT CLOTHING
NT GLOVES
NT GOGGLES
NT HELMETS
NT FLIGHT CLOTHING
NT SUITS
NT SPACE SUITS
NT SPACE SUITS
NT SPACE SUITS

CLUTING
Tissular blood clotting factors of vascular walls
and myocardium during hypokinesia

COAGULATION
Blood coagulation and tissular factors of blood
clotting in heparinized rabbits submitted to
hypokinesia

COASTAL ECOLOGY
A biogeochemical study of the Abu Dhabi algal mats
- A simplified ecosystem

COASTAL MARSHLANDS

COASTAL WATER

COCKPIT SIMULATORS
Tracking-task performance during heat stress
simulating cockpit conditions in
high-performance aircraft

COCKPITS
Physiological requirements for design of
environmental control systems - Control of heat
stress in high-performance aircraft
(AIAA PAPER 78-ENAS-22)
### Cold Tolerance

- Time for loss of increased cardiac responsiveness to isoproterenol in cold-acclimated rats after removal from cold
- Responses of high altitude natives to a standard cold test at sea level
- Thermoregulation in unrestrained rats during and after exposure to 1.5-6
- Blbinal relationship of hyperthermia and shivering on introduction to cold exposure
- Occasional hypersensitivity to continuous cold water and cold air with propagated reflex-like erythema development

<table>
<thead>
<tr>
<th>Subject Index</th>
<th>Color Vision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigation of arrangement of multipurpose displays and use of tailored control logic in a fighter aircraft cockpit</td>
<td>Cold water survival suits for aircrew p0298 A79-52282</td>
</tr>
<tr>
<td>Multifunction keyboard configurations for single-seat, air-to-ground fighter cockpits</td>
<td>Survival and protection of aircrew in the event of accidental immersion in cold water [AGARD-AD-211(89G)] p0196 A79-23661</td>
</tr>
<tr>
<td>Factors that affect display size criteria in a cockpit display system</td>
<td>Cold weather tests Responses of high altitude natives to a standard cold test at sea level p0164 A79-30658</td>
</tr>
<tr>
<td>Better definition of eye to aortic valve distance in high acceleration cockpit Mechanic seating geometries</td>
<td>Evaluation of British and Canadian conductive rubber heating elements for hardwear Preliminary report [AD-A052626] p0093 A79-15637</td>
</tr>
<tr>
<td>Internal cockpit reflections of external point light sources for the model YAN-64 advanced attack helicopter</td>
<td>Man and material in the cold regions, part 1 [AD-A063752] p0178 A79-21771</td>
</tr>
<tr>
<td>The effective acoustic environment of helicopter crewmen</td>
<td>Collagen Reunan and infrared investigations of the nature of intracellular water [AD-A061254] p0120 A79-17522</td>
</tr>
<tr>
<td>A human body and crew station modelling system for motion studies</td>
<td>Collection Urine collection apparatus p0195 A79-23657</td>
</tr>
<tr>
<td>COCHLEAE</td>
<td>Collision Avoidance Human factors considerations in establishing aircraft collision avoidance system alert thresholds p0045 A79-14430</td>
</tr>
<tr>
<td>Effects of soaring on formation and localization of the acetyl coenzyme A synthetases of Saccharomyces cerevisiae</td>
<td>Collision avoidance response stereotypes in pilots and nonpilots p0068 A79-18995</td>
</tr>
<tr>
<td>COGNITION</td>
<td>Collision Warning Devices</td>
</tr>
<tr>
<td>Shell Perceptual Organization and Reduction Questionnaire (SPQRQ): Report 2: Characteristics and reliability</td>
<td>Collision Avoidance</td>
</tr>
<tr>
<td>Rhythms in human performance: 1-1/2-hour oscillations in cognitive style</td>
<td>Warning Systems</td>
</tr>
<tr>
<td>The role of cognitive switching in head-up displays to determine pilot ability to accurately extract information from either of two sources</td>
<td>Collisions</td>
</tr>
<tr>
<td>Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation</td>
<td>MT Midair Collisions Test and evaluation of head restraints, seat backs, and anchorages in vehicles subjected to rear impact collision [SP-289779/1] p0178 A79-21773</td>
</tr>
<tr>
<td>Coacervate drops - Primitive forms of precells</td>
<td>Colloids MT Aerosols MT Fog</td>
</tr>
<tr>
<td>Regression models of search time for color-coded information displays</td>
<td>Coacervate drops as a model for precellular structures p0204 A79-37960</td>
</tr>
<tr>
<td>Digital color image compression in a perceptual space</td>
<td>Coacervate drops - Primitive forms of precells p0204 A79-37962</td>
</tr>
<tr>
<td>Color Perception</td>
<td>Color</td>
</tr>
<tr>
<td>Light and color on a manned spacecraft</td>
<td>Light and color for visual displays p0209 A79-38359</td>
</tr>
<tr>
<td>Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation</td>
<td>Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation [AD-A063852] p0189 A79-22756</td>
</tr>
<tr>
<td>COLLABORATIVE STEROIDS Raman Spectroscopy</td>
<td>Color Perception</td>
</tr>
<tr>
<td>Human psychophysiology in extremal conditions - Russian book on polar region adaptation</td>
<td>Raman Spectroscopy</td>
</tr>
<tr>
<td>Time for loss of increased cardiac responsiveness to isoproterenol in cold-acclimated rats after removal from cold</td>
<td>Cold Water Cold water survival suits for aircrew p0298 A79-52282</td>
</tr>
<tr>
<td>Thermoregulation in unrestrained rats during and after exposure to 1.5-6</td>
<td>Survival and protection of aircrew in the event of accidental immersion in cold water [AGARD-AD-211(89G)] p0196 A79-23661</td>
</tr>
<tr>
<td>Blbinal relationship of hyperthermia and shivering on introduction to cold exposure</td>
<td>Cold weather tests Responses of high altitude natives to a standard cold test at sea level p0164 A79-30658</td>
</tr>
<tr>
<td>Occasional hypersensitivity to continuous cold water and cold air with propagated reflex-like erythema development</td>
<td>Evaluation of British and Canadian conductive rubber heating elements for hardwear Preliminary report [AD-A052626] p0093 A79-15637</td>
</tr>
<tr>
<td>Collision avoidance response stereotypes in pilots and nonpilots</td>
<td>Collection Urine collection apparatus p0195 A79-23657</td>
</tr>
<tr>
<td>Collision Avoidance Human factors considerations in establishing aircraft collision avoidance system alert thresholds p0045 A79-14430</td>
<td>Collision Warning Devices Collision Avoidance Collision Avoidance</td>
</tr>
<tr>
<td>Warning Systems</td>
<td>MT Bird-Aircraft Collisions MT Midair Collisions Test and evaluation of head restraints, seat backs, and anchorages in vehicles subjected to rear impact collision [SP-289779/1] p0178 A79-21773</td>
</tr>
<tr>
<td>Colloids MT Aerosols MT Fog</td>
<td>Coacervate drops as a model for precellular structures p0204 A79-37960</td>
</tr>
<tr>
<td>Coacervate drops - Primitive forms of precells</td>
<td>Coacervate drops as a model for precellular structures p0204 A79-37962</td>
</tr>
</tbody>
</table>
COLORATION

ISAAC-1 - A color sensing robot

Chromatic border distinctness - Not an index of hue or saturation differences

Deductive derivation of a mathematical model for spectral sensitivity of the human organ of sight, I, II

Visual contrast sensitivity functions obtained with colored and achromatic gratings

Detection of coloured stimuli by independent linear systems

Enhancement of luminance flicker by color-opponent mechanisms

Using color substitution pupil response to expose chromatic mechanisms

Contrast sensitivity of the human eye to various display phosphor types

Provisioning an eye segment on a color cathode tube --- enhancing visual acuity

Effects of vestibular factors on color-discriminating function of the human eyes following color preadaptation

Restoration of color perception after deadaptation flashes

Contribution to the theory of photopic vision: Retinal phenomena

A-48
A survey of existing computer programs for aircrew workload assessment

Editing procedure for anthropometric survey data

Human operator identification model and related computer programs

Speech as a pilot input medium

Computer program for calculation of oxygen uptake

Fluid and Electrolyte Balance model

Design specification for the whole-body algorithms

User's instructions for the cardiovascular WALTERS model

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems

User's guide for the Skylab integrated medical data analysis system

The application of MINOQUAST to thermal program boundary and initial value problems

Review of unfolding methods used in the US and their standardization for dosimetry

Pilot preflight briefing utilizing an interactive computer generated Voice Response System

High-speed computerized tomography models for automated motor skills training

The application of computer aided evaluative techniques to system test and evaluation of fighter aircraft pilot performance

Response surface methodology as a manipulator of complex task difficulty for computer generated aircraft area navigation control-display system evaluation

Computerized clinical electroencephalography in perspective

Automatic recognition of spoken words using a functional model of the auditory system

Visually estimating workpiece pose in a robot hand using the feature points method

Computer augmented manual control of remote manipulators

An operator-aiding manipulator control system

Computer quantitation of coronary angiograms
COMPUTERIZED CONTROL

Visual notion perception by intelligent systems p0300 A79-52691
New developments in ultrasonic imaging of the chest and other body organs [SCML-80045-PF-1] p0018 A79-10735
New principles of automation of biomedical research p0078 A79-14763
TARANAP: A computer-aided technique for reducing aircrew task analysis data -- design concept p0150 A79-19628
A systematic approach to computer analysis of pulmonary vascular patterns p0176 A79-21756
A computer system for statistical analysis of ECG transients p0216 A79-25707

COMPUTERIZED DESIGN

Computer design synthesis of a below knee Syme prosthesis p0251 A79-44300

COMPUTERIZED SIMULATION

DT ANALOG SIMULATION
Modeling and analysis using SAINT -- A combined discrete/continuous network simulation language --- Systems Analysis of Integrated Network of Tasks for BER p0004 A79-11480
Various modeling approaches in biomechanics --- analog simulation of impact events p0005 A79-12407
Human factors design criteria for transilluminated displays p0036 A79-13187
Computer simulation of thermoregulatory responses to heat stress -- A future work design and training tool p0037 A79-13196
Refinement of a computer simulation model for evaluating DAIS display concepts --- Digital Avionics Information System p0038 A79-13209
Evolution of a genetic code simulated with the computer p0100 A79-22001
Listerization and sensitivity analysis of model for human eye movements p0102 A79-23783
The evaluation of a complex computer-based flight procedures trainer p0161 A79-29717
Thermal bounds to the time of stay of human beings in enclosures p0231 A79-41770
Adjustment of an electronic model for electrocardiogram simulation p0232 A79-42240
On investigating the statistical properties of the populous path algorithm by computer simulation - Counterconclusions to those of Fatt and Wei --- for mutational change in protein evolution p0253 A79-45640
Test of the 10 bits/sec channel-capacity hypothesis for human tracking p0253 A79-65771
A spherical representation of a human body for visualizable movement p0301 A79-53096
Applied analysis of computer simulated decompression profiles p0017 A79-10722
Simple models for the shuttle remote manipulator system [NASA-CR-151881] p0113 A79-16554
Physiological system integrations with emphasis on the respiratory-cardiovascular system [NASA-CR-160236] p0213 A79-24643
The application of sensitivity analysis to models of large scale physiological systems [NASA-CR-160228] p0213 A79-24645

Study report on modification of the long term circulatory model for the simulation of bed rest [NASA-CR-160186] p0218 A79-25727
Improvements and validation of the erythropoiesis control model for bed rest simulation [NASA-CR-160187] p0218 A79-25728
User's instructions for the CE cardiovascular model to simulate LBNP and tilt experiments, with graphic capabilities [NASA-CR-160196] p0219 A79-25732
Sensory mechanisms modeling [AP-0659439] p0262 A79-29796
Prediction of whole-body response to impact forces in flight environments p0284 A79-31902

COMPUTERS

VT AIRBORNE/SPACESHIP COMPUTERS
The role of computer technology mathematical models in treatment of patients following heart surgery p0170 A79-20721

CONCENTRATION (COMPOSITION)

DT MOISTURE CONTENT
Aphotometer for determining the biomass of microorgan from the ATP content [NBL-EXT-11856] p0141 A79-18555
Effects of different values of urine pH during long-term storage on microflora composition p0194 A79-23643
Investigation of albumin and globulin composition of blood of the crew of the Salyut-3 orbital station p0244 A79-27280
Mathematical modeling of arterial oxygen saturation and eye-level blood pressure during +G sub Z stress p0286 A79-31916

CONCENTRATORS

Health and safety hazards associated with solar concentration systems p0200 A79-36628

CONDENSATION

Prebiotic condensation reactions using cyanamide p0203 A79-37932
Prebiotic condensation of oligonucleotide p0204 A79-37945

CONDITIONED RESPONSES

U CONDITIONING (LEARNING)

CONDITIONING

Effect of physical conditioning on cardiac atiochondial function p0068 A79-18966
Sweating responses during heat acclimation and moderate conditioning

CONDITIONING (LEARNING)
Role of autogenic training in psychophysiological conditioning of aviation school students
Fat behavior in maze after flight aboard Fossomos-690 biosatellite

CONDITIONS

#7 FLIGHT CONDITIONS
CONDUCTIVE HEAT TRANSFER
Modeling heat transfer through human skin subjected to high external temperatures
Application of similarity transformation to unsteady state heat migration problems in human skin and subcutaneous tissues

CONDUCTORS
#7 ELECTROLYTES
CONES
Evidence for the equivalent-background hypothesis in cones --- for dark adaptation thresholds

CONFERENCES
Life sciences and space research XVI; Proceedings of the Open Meetings of the Working Group on Space Biology, Tel Aviv, Israel, June 7-19, 1977
Visual simulation and image realism; Proceedings of the Seminar, San Diego, Calif., August 30, 31, 1978
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Life sciences and space research XVII; Proceedings of the Open Meeting of the Working Group on Space Biology, May 29-June 10, 1978, and Symposium on Gravitational Physiology, Innsbruck, Austria, June 2, 3, 1978
Aero Medical Society of India, Annual Meeting, 21st, Bangalore, India, December 15, 16, 1978, Proceedings
Hyperthermia as an Antineoplastic Treatment Modality NASA CP-20517
The Physical Basis of Electromagnetic Interactions with Biological Systems [HSF-PUB-78-8055]
Proceedings, 13th Annual Conference on Annual Control [NASA CP-158107]
Operational Helicopter Aviation Medicine [AGARD-CP-255]
Cremberg symposium on mycotoxins [NASA CP-249303/3]
Report of the Workshop on Biological Screening Tests [AGARD-CP-255]
Third Symposium on Motion Sickness [NASA CP-253]

CONTACT DERMATITIS

Ultrasound tissue characterization II [PB-296356/9]
CONFIRMATION
The influence of hyperbaric environment in combination with workload and confinement on human information processing [DLR-PR-78-12]
CONFIDENCE
U PROFING
CONFERENCE
U CONFERENCE

CONGENITAL ANOMALIES
Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. Volume 1: Design considerations and research protocol

CONGREGATIONAL REPORTS
Extraterrestrial intelligence research [GPO-35-355]
Radiation protection [GPO-35-583]

CONICAL FLARE
U CONES

CONNECTIVE TISSUE
#2 CARTILAGE
MT COLLAGENS
Subcutaneous channeling probe [NASA-CP-11091-1]

CONNECTORS
NT ELECTRIC CONNECTORS
CONNECTORS (ELECTRIC)
U ELECTRIC CONNECTORS

CONSCIOUSNESS
Consciousness alteration in space [ASAE PAPER 78-1430]

CONSEQUENT EVENTS
Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

CONSOLES
Seating, console and workspace design - Seated operator reach profiles
Seating, console, and workspace design - Integration of literature and accommodation model
Human factors evaluation of the A/N/UTQ-21 display console [AA-056383]

CONSUMABLES
MT CONSUMABLES (SPACESHIP SUPPLIES)

CONSUMABLES (SPACESHIP SUPPLIES)
MT DEHYDRATED FOOD
MT POTABLE WATER
MT SPACE NATIONS

CONSUMPTION
MT OXYGEN CONSUMPTION
MT WATER CONSUMPTION

CONTACT DERMATITIS
Allergy to lanolin [ILL-RTS-11395]
Uncommon hypersensitivity to contacting cold water and cold air with propagated reflex-like erythema development [ILL-RTS-11684]

SUBJECT INDEX

A-51
CONTACT LENSES
Aerosol medical implications of the X-Chrom lens for improving color vision deficiencies [P0135 A79-27556]

CONTAMINANTS
CONTAMINANTS
IN TRACE CONTAMINANTS
Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft [P0072 A79-164720]

Effect of hypokinesia on animal resistance to chemical agents [P0109 A79-16524]
Evaluation of toxic effects of organic contaminants in recycled water [P0190 A79-22760]
Chemicals identified in human biological media, a pilot literature survey [P0219 A79-26449]
Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system [A00682]

CONTAMINATION
IN SPACECRAFT CONTAMINATION
CONTENT
IN BONE MINERAL CONTENT
CONTINUITY
Perception of continuity in stroboscopic motion - A temporal frequency analysis [P0186 A79-34375]

CONTOURS
Texture contours can facilitate stereopsis by initiating vergence eye movements [P0270 A79-08816]

CONTRACTION
Cardio-pulmonary response to shock [AD-A065672]
Recruitment and discharge properties of motor units in human brachial biceps and adductor pollicis during isometric contractions [P0216 A79-25708]

CONTRAST
IN EYE CONTRAST
CONTROL
The development and evaluation of objective frequency domain based pilot performance measures in ESSY [AD-A059477]
Flight prototype CO2 and humidity control system [NASA-CR-160224]

CONTROL CONFIGURED VEHICLES
A theoretical investigation of power and control configurations for a high g-onset centrifuge drive system [AD-A070512]

CONTROL DEVICES
IN CONTROL EQUIPMENT
CONTROL EQUIPMENT
IN CONTROL STICKS

NT TELEOPERATOR
Instrumentation for controlling and monitoring environmental control and life support systems [ACME PAPER 78-ENAS-40]
Anthropology in Spacelab - Control and display system in Spacelab [DGLE PAPER 78-151]
Increasing pilot's performance capacity during flight through use of a control element serving as information carrier [DGLE PAPER 78-152]
Object-handling system for manual industry [P0042 A79-14097]

Control systems for robots and manipulators --- Russian book [P0101 A79-23468]
Flight experience with manually controlled unconventional aircraft motions [P0134 A79-27303]
The determination of the operating range of a twin-grip control yoke through biomechanical means [P0088 A79-15602]
Human/computer control of undersea teleoperators [P0089 A79-15609]
Earth orbital teleoperator systems evaluation [NASA-CR-150912]

Advanced industrial robot control systems [P0112 A79-16552]

Microprocessor: Based prosthetic control [PB-286652/3]
Flight prototype CO2 and humidity control system [NASA-CR-160224]
A theoretical investigation of power and control configurations for a high g-onset centrifuge drive system [AD-A070512]

CONTROL SIMULATION
Simulation study on time series of heart responses [P0037 A79-13197]
A computer-based simulator simulation --- computer-assisted pilot training [P0039 A79-13215]
The multiloop concept of the pilot work load as a basis of future experiments and studies [GREN, TP NO. 1978-10]
Effects of target motion and image on AAA tracking --- Anti-Aircraft Artillery [P0085 A79-14795]
The human operator in the control system: Linear models --- German book [P0132 A79-26356]
Modeling human tracking performance in a high G-stress environment [P0269 A79-48012]

Pilot workload during final approach in congested airspace [P0269 A79-48014]

Driver steering dynamics measured in car simulator under a range of visibility and roadskidding conditions [P1017 A79-17493]

The driving simulator developed by the Institute for Perception TNO. A validation study in straight road driving [TPF-1978-16-PR-1]

Helmet weight simulator [NASA-CASE-LAB-12320-1]

Ergonomic research into human tolerances for roll and pitch as well as their influence on individual perception and reactions to control parameters [BMW-7878-78-18]

Influences of joystick spring resistance on the execution of simple and complex positioning movements [P0282 A79-30944]

CONTROL THEOREY
A model for sensorimotor control and learning [P0095 A79-12122]
Application of control theory to the investigation of roll motion effects on pilot control behavior [NASA-CASE-LAB-12320-1]
Control of robot manipulators from the modeling of their dynamics --- French thesis [P0101 A79-23427]

Control theory and biosystems: Analysis of homoeostatic properties --- Russian book [P0186 A79-34506]

Stabilization of a biped walking machine with incomplete information on its phase coordinates [P0273 A79-49879]
The effects of deviate internal representations in the optimal model of the human operator [P0174 A79-17477]

A quasi-linear control theory analysis of timesharing skills [P0174 A79-17477]

A dual-loop model of the human controller [P0115 A79-17479]

Parameter estimation in a human operator describing function model for a two-dimensional tracking task [P0115 A79-17481]

An approach to the multi-axis problem in manual control --- optimal pilot model [P0115 A79-17482]

Error rate information in attention allocation pilot models [P0115 A79-17483]

The effects of participatory mode and task workload on the detection of dynamic system
failures
A control theoretic model of driver steering behavior
Modelling the human operator of slowly responding systems using linear models
A model of the human supervisor
Prediction of pilot-aircraft stability boundaries and performance contours
Use of the optimal control model in the design of motion cue experiments
The systemic principles of building a man-machine control staff --- functional analysis
The application of control theory to the investigation of roll motion effects on human operator performance

CONTROL VALVES
Microbial Check Valve for Shuttle [ASME PAPER 78-ENAS-27]

CONTROLLABILITY
Quantifying operator preference during human factors test and evaluation --- in helicopter design

CONTROLLED ATMOSPHERES
RT ARGON-OXYGEN ATMOSPHERES
RT CARBON DIOXIDE ATMOSPHERES
RT HELIUM-OXYGEN ATMOSPHERES
RT SPACECRAFT CABIN ATMOSPHERES
Voice communication in artificial atmospheres --- Russian book
The combined effect of carbon monoxide and nonbaric hyperoxia on animals

CONTROLLED STABILITY
OR CONTROL
CONTROLLERS
RT SERVOMECHANISMS
Evaluation of models describing human operator control of slowly responding complex systems --- Thesis

CONVAIN MILITARY AIRCRAFT
RT MILITARY AIRCRAFT
CONVECTION
Mathematical studies of oxygen transport to tissue

CONVECTIONAL FLOW
Convective control of long-range coherence in plant growth regulation

CONVERGENCE
Region extraction using convergent evidence

CONVOLUTIONS
Effect of electroconvulsive shock on monoaminergic receptor binding sites in rat brain
The control and prevention of seizures in children, a developmental and environmental approach

COOLING
RT LIQUID COOLING
RT SURFACE COOLING
Epiphysis of rats under the combined action of hypoxia, hypercapnia and cooling

COORDINATE SYSTEMS
COORDINATES
Coordinate system isodiametric coordinate systems for human body segments
COORDINATION
Process of search control of coordinated movement in man

COPILOTS
RT AIRCRAFT PILOTS
A catheter flow probe for measurement of left ventricular source parameters

Clinical usefulness of radiopaque markers in left ventricular function

Mechanics of blood flow through normal and stenotic coronary arteries

Influences of dietary fats on coronary flow rate and left ventricular work of the isolated rat heart

Effects of dietary fats on the coronary flow rate and the left ventricular function of the isolated rat heart

Argon delivery in the hypoxic perfused heart: Relation to functional and metabolic changes

A review of recent concepts of the problems of the origin of life

Preliminary selection of candidates for space flights

Psychological training - One of the most important factors of enhancing the safety of space flights

Physiologic-hygienic and ergonomic aspects of Salyut 6 cosmonauts extrvehicular activity /EVA/

The cosmonaut in flight

Preliminary results of Cytos experiment: Flows in space --- cosmic ray interaction

Investigation of albumin and globulin composition of blood of the crew of the Salyut-3 orbital station

The joint US-SSSR biological satellite program

Space radiation dosimetry onboard COSMOS 936: US portion of experiment K-206

Biochemical study of proteins of gastrointestinal and intestinal mucosa of rats flown aboard the Cosmos-605 biosatellite --- effects of space flight stress

The Cosmos 936 mission

Studies of amino acid metabolism in the muscles of rats flown aboard the Biosatellite Cosmos 782

Investigation of albumin and globulin composition of blood of dogs

The cosmonaut

Preliminary selection of candidates for space flights

Radiobiological investigations in Cosmos 782 space flight /Biobloc SP experiment/

Biological study of tobacco seeds flown in the joint Apollo-Soyuz test-project

Genetic effects of balloon flight in Drosophila melanogaster

Light flashes in space --- cosmic ray interaction with astronaut visual system

Development capacity of artesia cysts and lettuce seeds flown in Cosmos 936 and directly exposed to cosmic rays

Genetic effects of cosmic ray radiation on bacteriophage T4Ecr/- Gm materials of biological experiment Soyuz-Apollo/

Preliminary results of Cytos experiment flown in Salyut VI - Investigations of Paraechinus australis

The dose rate of cosmic ray radiation received by a biological target in the stratosphere and at altitudes of satellite orbits

Cosmic ray effects on the eyes of rats flown on Cosmos 782

Cosmic ray effects on the eyes of stationary and centrifuged rats flown on Cosmos 936, experiment K-207

Killfish development in zero-G on COSMOS 782: Pandusus experiment K-104

Absence of gastric ulceration in rats after flight on the COSMOS 782

Effect of space flight on cell-mediated immunity --- COSMOS 782 satellite

Alterations in erythrocyte survival parameters in rats after 19.5 days aboard COSMOS 782

Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 1: Endochondral osteogenesis; medullary bone turnover
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>p0004 A79-14408</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body response research program. Appendix C:</td>
<td></td>
</tr>
<tr>
<td>Processed data</td>
<td></td>
</tr>
<tr>
<td>[PB-286154/0]</td>
<td></td>
</tr>
<tr>
<td>Tentative estimation of the injuries likely to occur during the crash of a 5A 381</td>
<td></td>
</tr>
<tr>
<td>Gazelle helicopter, from a study on mannequins</td>
<td></td>
</tr>
<tr>
<td>[PB-282779-73]</td>
<td></td>
</tr>
<tr>
<td>CRASH LANDING</td>
<td></td>
</tr>
<tr>
<td>An inflatable restraint system --- for helicopter crash protection</td>
<td></td>
</tr>
<tr>
<td>CREASH</td>
<td></td>
</tr>
<tr>
<td>NT CRASH LANDING</td>
<td></td>
</tr>
<tr>
<td>Test and evaluation of head restraints, seat backs, and anchorages in vehicles</td>
<td></td>
</tr>
<tr>
<td>subjected to rear impact collision</td>
<td></td>
</tr>
<tr>
<td>[PB-289779/7]</td>
<td></td>
</tr>
<tr>
<td>Evaluation of research on surrogates for humans in motor vehicle crashes</td>
<td></td>
</tr>
<tr>
<td>[PB-291012/3]</td>
<td></td>
</tr>
<tr>
<td>The use of mathematical modeling in crashworthy helicopter seating systems</td>
<td></td>
</tr>
<tr>
<td>[PB-28779-73]</td>
<td></td>
</tr>
<tr>
<td>CREW PROCEDURES (INFLIGHT)</td>
<td></td>
</tr>
<tr>
<td>Spacesuit's payload specialists, their selection and duties on-board</td>
<td></td>
</tr>
<tr>
<td>CREWS</td>
<td></td>
</tr>
<tr>
<td>NT FLIGHT CREWS</td>
<td></td>
</tr>
<tr>
<td>CREWS</td>
<td></td>
</tr>
<tr>
<td>NT SPACECREWS</td>
<td></td>
</tr>
<tr>
<td>CRITERIA</td>
<td></td>
</tr>
<tr>
<td>Criteria for maximum tolerable heat stress. A proposal</td>
<td></td>
</tr>
<tr>
<td>CRITICAL FLICKER FUSION</td>
<td></td>
</tr>
<tr>
<td>Effect of physical training at moderate altitude [1950 A. on hypoxic tolerance</td>
<td></td>
</tr>
<tr>
<td>[A29-43210]</td>
<td></td>
</tr>
<tr>
<td>Enhancement of luminance flicker by color-opponent mechanisms</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/8]</td>
<td></td>
</tr>
<tr>
<td>The peripheral critical flicker frequency</td>
<td></td>
</tr>
<tr>
<td>[PB-271 A79-49482]</td>
<td></td>
</tr>
<tr>
<td>CROP GROWTH</td>
<td></td>
</tr>
<tr>
<td>The impact of sulfur dioxide on vegetation: A selected examples of dispersal</td>
<td></td>
</tr>
<tr>
<td>of arthropods associated with agricultural crop and animal production</td>
<td></td>
</tr>
<tr>
<td>[PB-284018/7]</td>
<td></td>
</tr>
<tr>
<td>CRYOGENIC EQUIPMENT</td>
<td></td>
</tr>
<tr>
<td>System for and method of freezing biological tissue [NASA-CASE-GSC-12173-1],</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>CRYSTAL GROWTH</td>
<td></td>
</tr>
<tr>
<td>The growth of single crystals from proteins in gravity-free space</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>CRYSTALS</td>
<td></td>
</tr>
<tr>
<td>NT LIQUID CRYSTALS</td>
<td></td>
</tr>
<tr>
<td>NT SINGLE CRYSTALS</td>
<td></td>
</tr>
<tr>
<td>Microanalytical identification of barium sulphate crystals in statoliths of</td>
<td></td>
</tr>
<tr>
<td>Chara rhizoids [NASA-TR-75611]</td>
<td></td>
</tr>
<tr>
<td>CURS</td>
<td></td>
</tr>
<tr>
<td>Use of the optimal control model in the design of motion cue experiments</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>A model for the pilot's use of motion cues in roll-axis training tasks</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>Manual control of yaw motions with combined visual and vestibular cues</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>Motion cue effects on human pilot dynamics in manual control</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>Motion cue models for pilot-vehicle analysis</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
<tr>
<td>Helmet weight simulator [NASA-CASE-LAB-12320-1]</td>
<td></td>
</tr>
<tr>
<td>CULTIVATION</td>
<td></td>
</tr>
<tr>
<td>Serendipitous solution to the problem of culturing arachidopsis plants in</td>
<td></td>
</tr>
<tr>
<td>sealed containers for spaceflights of long duration</td>
<td></td>
</tr>
<tr>
<td>Purification and cultivation of human pituitary growth hormone secreting cells</td>
<td></td>
</tr>
<tr>
<td>[PB-285102/7]</td>
<td></td>
</tr>
</tbody>
</table>
Application of a bubble formation model to decompression sickness in rats and humans.

Mechanical vs. ischemic mechanisms for decompression sickness.

Doppler detection of thresholds for decompression-induced venous gas emboli in the awake rat.

Scanning and transmission electron microscopy of the blood-bubble interface in decompressed rats.

Cross-adaptive effects of cold, hypoxia, or physical training on decompression sickness in mice.

Dynamics of the catecholamine activity of the blood of athletes under the influence of local decompression.

Investigation of blood subjected to volume tension.

Effects of endogenous factors on the process of gas bubble formation in the body related to decompression.

Applied analysis of computer simulated decompression profiles.

Early diagnosis for decompression sickness.

Changes in the blood found shortly after decompression. Part 2: Experiments on rats.

Hyperbaric decompression by means of bubble detection.

Prophylactic effects of intermittent acceleration against physiological deconditioning in simulated weightlessness.

Deconditioning-induced exercise responses as influenced by heat acclimation.

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, Gs, and fatigue tolerances.

Effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance.

Deconditioning.

Viable resistance of naturally occurring airborne bacterial spores as a Viking spacecraft dry heat decontamination simulation.

Dehydration.

Prebiotic condensation reactions using cyanamide.

Heat and acute dehydration effects on acceleration response.

Specialized physiological studies in support of manned space flight.

The effects of dehydration on peripheral cooling.

Desalination.

Kt Bone Desalination.

Demodulation.

GT gas density.

Dioxynucleic acid.

Possible contribution of transferable exogenous DNA in prokaryotic evolution.

Subcellular organisms and evolution of cell structure.

Radiation lesion to liver DNA of rats exposed to radiation during flight aboard the Kosmos-690 biosatellite.

Mechanisms of recombination and function of DNA in bacteria.

DNA content of animal organs during space flight on Kosmos-690 satellite.

Microwave frequencies and the structure of the double helix.

The effect of infection with herpes simplex viruses type 1 and 2 on cell DNA synthesis and thymidine kinase activities in cultured human cells.

Effects of gravity on contractile proteins.

Intensity of DNA synthesis in animal organs after flight aboard the Cosmos-762 biosatellite.

Dependence.

Kt Time Dependence.

Depressants.

Isolation of a short-induced circulating cardiodepressant substance.

Depressurization.

G Pressure Reduction.

Deprivation.

Kt Sensory Deprivation.

Kt Sleep Deprivation.

Depth Perception.

G Space Perception.

Dermatitis.

Kt Contact Dermatitis.

Desalination.

Control by episome on salt-resistance in bacteria.

Descent.

Kt Parachute Descent.
DIFFUSE RADIATION

interference fringes

DIFFUSE RADIATION
Accuracy of RGB approximation for computing light scattering properties of diffusing and motile bacteria --- Rayleigh-Gans-Debye

DIFFUSION
MT GASOUS DIFFUSION
MT TONIC DIFFUSION
MT MOLECULAR DIFFUSION
MT PARTICLE DIFFUSION
MT TURBULENT DIFFUSION
A theoretical study of membrane diffusion and lymphocyte patching

Multiple tracer diffusion methods for the evaluation of cerebral capillary permeability and capillary blood flow rate in the rat

Biological effects of a magnetic field

DIFFUSION EFFECT
U DIFFUSION
S US

DIGESTING
DIGESTION
DIGESTIVE SYSTEM
MT GASTROINTESTINAL SYSTEM
MT INTESTINES
MT STOMACH
MT TEETH
Information on the comparative physiology of digestive enzymes

DIGITAL FILTERS
The effects of filtering the Hin-Purkinje system electrocardiogram

DIGITAL NAVIGATION
Refinement of a computer simulation model for evaluating DAIS display concepts --- Digital tivions Information System

DIGITAL RADAR SYSTEMS
Evolution of the man-machine interface in surveillance radar systems

DIGITAL SIMULATION
Simulation and control of a human temperature regulation system

DIGITAL SYSTEMS
MT DIGITAL NAVIGATION
MT DIGITAL RADAR SYSTEMS
MT DIGITAL MAN-MACHINE CONTROL SYSTEMS - The effects of preview lag

Devices for synchronizing a digital measuring apparatus with biological signals

DIGITAL TECHNIQUES
Digital enhancement of computerized axial tomograms

The development of a digital video subtraction system for intravascular angiography

DIGITAL TELEVISION
Digital color image compression in a perceptual space

SUBJECT INDEX

DELAY
Fluid shifts during initial phase of immersion
Alcluisis in man

DIMENSIONAL ANALYSIS
Visual search for complex targets

DIMENSIONAL MEASUREMENT
Anthropometry

DIMENSIONS
MT LENGTH
DIODES
MT LIGHT EMITTING DIODES
DIABETES
MT CARBON DIOXIDE
MT SULFUR DIOXIDES
DIRECT POWER GENERATORS
MT THERMOELECTRIC GENERATORS
DIRECTIONAL ANTENNAS
MT Fiber antennas

DIRECTIVITY
Axiomatic summary and deductions from Hering's principles of visual direction

DISCRETE FUNCTIONS
Discrete time modeling of heavy transport plane pilot behavior

DISCRIMINATION
MT BRIGHTNESS DISCRIMINATION
MT TACTILE DISCRIMINATION
MT VISUAL DISCRIMINATION

DISEASES
MT ANTERIOR SCLEROSIS
MT APLASY
MT BONE MINERALIZATION
MT CANCER
MT CARBON MONOXIDE POISONING
MT CONTACT DERMATITIS
MT DIABETES MELLITUS
MT EOSCMA
MT EPILIPSY
MT GLAUCOMA
MT HEART DISEASES
MT INFECTION DISSES
MT MYOCARDIAL INFARCTION
MT NEUROLOGICAL DISEASES
MT RADIATION SICKNESS
MT RESPIRATORY DISEASES
MT TUMORS
MT FOG
MT COLLOIDS
MT AEROSOLS
MT SMOKE

Fluid shifts during initial phase of immersion

The morbidity experience of air traffic control personnel, 1967-1977

The vestibule and flying --- pilot disorientation

Human factors in production and prevention of aircraft accidents due to disorientation in flight

DISPERSSION
Dispersal of forest insects

DISPERSTIONS
MT AEROSOLS
MT COLLOIDS
MT DUST
MT SMOKE

DISTRIBUTIONS
MT AEROSOLS
MT COLLOIDS
MT DUST
MT SMOKE

A-60
Selected examples of dispersal of arthropods associated with agricultural crop and animal production
_0180 A79-19595
Strategic and tactical use of movement information in pest management
_0180 A79-19597

**DISPLAY DEVICES**

**ST APPROACH INDICATORS**

**ST HEAD-UP DISPLAYS**

**ST HOT-FILM ANEMOMETERS**

The robot's eyes - Stereo vision system for automated scene analysis
_0004 A79-12096
Human factors design criteria for transilluminated displays
_0036 A79-13187
Discrimination of density and clustering on four versions of a stochastic display — human performance of pattern recognition
_0036 A79-13192
Lateral orientation and cerebral activation — Considerations for information analysis
_0037 A79-13194
Contrast enhancement using local area brightness and gain control — of airborne CRT display
_0037 A79-13199
Investigation of arrangement of multipurpose displays and utilization of controlled logic in a fighter aircraft cockpit
_0038 A79-13205
Refinement of a computer simulation model for evaluating DAS display concepts — Digital Avionics Information System
_0038 A79-13209
Four years of color research for visual displays — human performance consideration for use in aircraft
_0039 A79-13210
Observer performance using a video display — in simulated air to ground target acquisition tasks
_0039 A79-13217
Anthropology in Spacelab — Control and display system in Spacelab [DLR PAPER 78-151]
_0042 A79-14096
Ergonomic problems regarding the interactive touch input via screens in onboard and ground-based flight control
_0061 A79-17695
Perception of graphic displays of space
_0062 A79-18205
The importance of providing stereoscopic vision in training for nap-of-the-earth /NOE/ flight
_0062 A79-18206
The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing
_0063 A79-18210
An investigation of pictorial and symbolic aircraft displays for landing
_0063 A79-18211
Factors that affect display size criteria in a cockpit display system
_0063 A79-18212
Pilot performance during flight simulation with peripherally presented visual signals
_0063 A79-18213
Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix
_0063 A79-18214
Perceptual localization, feature identification and ocular motor factors in scanning a visual display
_0064 A79-18216
Secondary visual workload capability with primary visual and kinesthetic-tactual displays
_0064 A79-18220
Human engineering study of information processing applicable to helmet-mounted display
_0066 A79-18994
Speed and load stress as determinants of performance in a time sharing task
_0068 A79-18999
A visual simulator with transformation of the perspective in the raster of television pictures — German book on pilot training systems
_0069 A79-19375

**Engineering-psychological study of information imaging systems — manual control of spaceship docking**
_0099 A79-21404
A controller's eye view of color
_0102 A79-23596
Visual acuity with regard to simultaneous colored contrast on a television screen — Results
_0103 A79-23952
Factors controlling the competing sensations produced by a bistable stroboscopic motion display
_0104 A79-24067
Recent developments and plans for pilot training devices [SAF PAPER 781007]
_0130 A79-25889
A binocular stereoscopic display system for echocardiography
_0130 A79-26072
Hyper-resolution in human perception of movement in visual displays
_0132 A79-26240
Object, illusion and frame of reference — design criteria for computer-generated displays
_0137 A79-28157
Digital image anomalies — Static and dynamic — rastering and aliasing effects and elimination
_0137 A79-28158
Visual system for the Boom Operator Part Task Trainer — KG-135 aerial refueling tank simulator
_0137 A79-28162
Component performance of a 360 deg non-programmed visual display — laser image flight simulator
_0137 A79-28163
A 25-inch precision color display for simulator visual systems
_0137 A79-28164
Windshield quality and pilot performance measurement utilizing computer-generated imagery
_0137 A79-28165
Training effectiveness versus simulation realism
_0138 A79-28166
Extrapolation of pulsed light data in scanned displays — laser radiation eye exposure limits
_0138 A79-28170
The holographic Pancake window — magnifier for flight simulation display
_0138 A79-28172
Application of Fresnel lenses to virtual image display — for training simulators
_0139 A79-28173
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples
_0160 A79-28993
A comparison of kinesthetic-tactual and visual displays via a critical tracking task — for aircraft control
_0162 A79-29720
Visual contrast sensitivity functions obtained with colored and achromatic gratings
_0181 A79-32628
Application of computer animation for dynamic displays in complex energy systems — for human performance improvement
_0186 A79-36172
The development of integrated multidimensional displays
_0187 A79-38990
Regression models of search time for color-coded information displays
_0209 A79-38359
Dynamics of the eye and head during movement between displays — A qualitative and quantitative guide for designers
_0209 A79-38362
Pilot-optimal augmentation of the air-to-air tracking task [AIAA 79-1787]
_0252 A79-45388
Helicopter commands at the touch of a hand [AHS 79-13]
_0270 A79-49066
Real-time computerized fluoroscopic cardiac imaging
_0294 A79-51035
Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators
_0297 A79-52276
Target redundancy in visual search — and repetitions of the target within the display impair processing
_0297 A79-52276
DROPS (LIQUIDS)

Conervate drops as a model for precellular structures
p0204 A79-37960

Conervate drops - Primitive forms of precells
p0204 A79-37962

DROSOPHILA

Reproductive adaptation in Drosophila exposed to oxygen-enriched atmospheres
p0065 A79-30655

Effect of hyperoxygen on the development of Drosophila melanogaster /Meigen/
p0066 A79-30667

Biological experiments carried out aboard the biological satellite Cosmos-936
p0230 A79-41717

Quantitative analysis of mating behavior in aging male Drosophila melanogaster
p0252 A79-44799

Effects of weightlessness on the embryonic development and aging of Drosophila
p0022 W79-11670

Materials of the final reports on the joint Soviet-American experiment on the Kosmos-936 biosatellite

DROUGHTS WIND SHEAR MECHANISM

D WIND SHEAR

DURATION

D T WIND SHEAR

DURATION

DTS

Effect of fiber and dye degradation products /FDP/ on burn wound healing
p0298 A79-52277

A porcine bioassay study of the physiological effects of fiber and dye degradation products (FDP) on burn wound healing
[AD-A066990] W79-25748

DYNAMIC CHARACTERISTICS

NT AERODYNAMIC STABILITY

NT AIRCRAFT STABILITY

NT DYNAMIC STABILITY

NT FLOW STABILITY

NT FLOW VELOCITY

NT NOLOAD STABILITY

NT MOTION STABILITY

NT TRANSIENT RESPONSE

Goal-directed mechanics of controlled manipulators
--- Russian book
p0275 A79-50447

Dynamical characteristics of visual functions
p005 A79-50566

Dynamic measurement of human cyclofusional eye movements
p0142 W79-18575

DYNAMIC CONTROL

The effects of participatory mode and task workload on the detection of dynamic system failures
p0096 A79-21156

Control of robot manipulators from the modeling of their dynamics --- French thesis
p0101 A79-23427

Prosthetic EMG control enhancement through the application of man-machine principles
p0101 W79-17505

DYNAMIC LOADS

The relationship between adult articular cartilage thickness and dynamic loads of a uniaxial joint
p0156 W79-19671

DYNAMIC MODELS

A model for sensorimotor control and learning
p0005 A79-12122

Control of robot manipulators from the modeling of their dynamics --- French thesis
p0101 A79-23427

Problem of modeling the mechanism of heart contraction
p0275 A79-50287

A discrete parameter model of the head and neck with neuromuscular feedback
p0211 W79-24627

Preliminary design specifications of a calcium model

Use of a computer model in the understanding of erythropoietic control mechanisms

User's instructions for the cardiovascular Walters model

Fluid and electrolyte control systems in the human body: A study report

on a basic model of circulatory, fluid, and electrolyte regulation in the human system based upon the model of Guyton

User's instructions for the Guyton circulatory dynamics model using the Univac 1110 batch and demand processing (with graphic capabilities)

Modifications to the steady-state 41-node thermoregulatory model including validation of the respiratory and diffusional water loss equations

Development and utilization of internal models in dynamic systems: A comparison of monitors and operators as failure detectors
[AD-A069730] p0282 W79-30492

The response of a realistic computer model for sitting humans to different types of shocks
p0288 W79-31927

Progress in measuring and modeling the effects of low frequency vibration on performance
A-63
Subject Index

Aeromedical aspects of otolaryngology
Auditory analysis of complex sound: Electrophysiological investigations --- Russian book
A mathematical scheme for predicting the electro-acoustic frequency response of hearing aid receiver-earbud-ear systems
Functional connections of the central auditory nervous system: Thalamocortical corticofugal and corticocortical connections of the AI, AII and AAF auditory cortical fields
EAR PRESSURE TEST
Analysis of inert gas exchange in the middle ear
EAR PROTECTORS
In-flight measures of stress reduction due to wearing expandable foam earplugs
EARNETPHONES
Effects of phase manipulation on speech intelligibility through communication headsets --- light aircraft radio communication
EARTH (PLANET)
A proposal concerning the origin of life on the planet earth
EARTH ATMOSPHERE
MT BIOSPHERE
MT PRIMITIVE EARTH ATMOSPHERE
EARTH ENVIRONMENT
The evolution of the environment and its influence on the evolution of life
A review of recent concepts of the problem of the origin of life
EARTH RESOURCES
MT FORESTS
MT GROUNDATURAL RESOURCES
MT SPRINGS (WATER)
EARTH RESOURCES PROGRAM
MT SRSAT PROGRAM
EARTH RESOURCES SURVEY PROGRAM
MT SEASAT PROGRAM
MT INTERCOSMOS SATELLITES
MT COSMOS SATELLITES
MT COSMOS 936 SATELLITE
MT INTERCOSMOS SATELLITES
ECHOCARDIOGRAPHY
A binocular stereoscopic display system for echocardiography
A sample volume tracking unit for pulsed Doppler echocardiography
Effects of endurance training on left ventricular dimensions in healthy men
Clinical applications of new echocardiographic techniques
The advantages of ultrasonic echocardiography in the cardiological evaluation of fliers
ECOBOES
Miniature implantable ultrasonic echosounder
ECOLOGICAL SYSTEMS
E ECOLOGY
ECOLOGY
MT COASTAL ECOLOGY
Ecological physiology of animals. I - General ecological physiology and physiology of adaptations --- Russian book
Radar, Insect Population Ecology, and Pest Management
Distribution of bluegreen algae in a Mississippi Gulf Coast salt marsh
A mathematical scheme for predicting the electrophysiological frequency response of hearing aid receiver-earbud-ear systems
Functional connections of the central auditory nervous system: Thalamocortical corticofugal and corticocortical connections of the AI, AII and AAF auditory cortical fields
Analysis of inert gas exchange in the middle ear
In-flight measures of stress reduction due to wearing expandable foam earplugs
Effects of phase manipulation on speech intelligibility through communication headsets --- light aircraft radio communication
A proposal concerning the origin of life on the planet earth
<table>
<thead>
<tr>
<th>ELECTRIC FIELDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of process of oxidation phosphorylation of liver mitochondria on exposure to an electric field</td>
</tr>
<tr>
<td>Methods for studying and criteria for evaluating the biological effects of electric fields of industrial frequency</td>
</tr>
<tr>
<td>Feasibility of an epidemiological study of workers occupationally exposed to high voltage electric fields in the electric power industry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRIC GENERATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrophysiological and visual pathway potentials of the guinea pig to nitrogen and helium at high pressure</td>
</tr>
<tr>
<td>Development of an electrical energy converter for driving left heart assist blood pumps</td>
</tr>
<tr>
<td>Application of computer animation for dynamic display in complex energy systems — for human operator performance improvement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRIC POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorylase a in human skeletal muscle during exercise and electrical stimulation</td>
</tr>
<tr>
<td>Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL RESISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical parameter values of some human tissues in the radiofrequency radiation range</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin-resistance measuring device with higher resolution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRO-OPTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISAC-1 — A color sensing robot</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTROCARDIOGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac conduction and aptitude problem of fliers. The benefits of endocavitary recording of the His bundles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTROCHEMISTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of platinum electrodes for the electrochemical detection of bacteria</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRODE RESPONSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The method of quadrupole chest impedance plethysmography</td>
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</table>

<table>
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<tr>
<td>Reliability of determining the cardiac output by the method of quadrupole chest impedance plethysmography</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRODE RESPONSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrocardiographic abnormalities in Air Force personnel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRODE RESPONSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predicting coronary artery disease with treadmill stress testing Changes in P-wave amplitude compared with ST segment depression</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRODE RESPONSE</th>
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<tbody>
<tr>
<td>Aerobiotelemetry from a fighter aircraft</td>
</tr>
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</table>

<table>
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<tr>
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<tbody>
<tr>
<td>Influence of Beta-Blockade on asymptomatic ST-T wave changes — a follow up study</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<td>Some electrophysiological concepts of the U wave of ECG</td>
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<tr>
<td>Hionosomorphologic analysis and modeling of ECG signals</td>
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</tbody>
</table>

<table>
<thead>
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<tbody>
<tr>
<td>The eccentric spheres model as the basis for a study of the role of geometry and inhomogeneities in electrophysiology</td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<tbody>
<tr>
<td>An inductively powered telemetry system for temperature, EEG, and activity monitoring</td>
</tr>
</tbody>
</table>

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<tbody>
<tr>
<td>Microwave apexcardiography</td>
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<td>Adjustment of an electronic model for electrocardiogram simulation</td>
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</table>

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<td>The evolutionary pattern of exercise-induced ST segment depression</td>
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<td>The electrocardiogram recorded by telemetry during a parachute jump, compared to a trace during stress tests — A preliminary study of 29 cases</td>
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<tr>
<td>Theoretical foundations of cardiovascular processes --- Book</td>
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<td>The significance of I wave abnormalities</td>
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<tr>
<td>Theoretical foundations of cardiovascular processes --- Book</td>
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<th>ELECTRODE RESPONSE</th>
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<tr>
<td>Fundamentals of electrical processes in the electrophysiology of the heart</td>
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<th>ELECTRODE RESPONSE</th>
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<td>Analysis of distribution of sequences of R-R intervals in astronauts: Generalized coordinate method</td>
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<td>The significance of I wave abnormalities</td>
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<td>Difficulties posed by left axis deviation in the evaluation of filters, and their relations to the concept of left anterior hemiblock</td>
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<th>ELECTRODE RESPONSE</th>
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<tr>
<td>Left Anterior Hemiblock (LAH): Diagnosis and aeromedical risk</td>
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<th>ELECTRODE RESPONSE</th>
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<td>Cardiac conduction and aptitude problem of fliers. The benefits of endocavitary recording of the His bundles</td>
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<td>Effects of oxides on nitrogen, Carbon monoxide and photochemical oxidants on the ECG during exercise and on cardiopulmonary function</td>
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<th>ELECTRODE RESPONSE</th>
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<td>A nonlinear mapping approach to discrimination of sleep stages from the human electroencephalogram</td>
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<th>ELECTRODE RESPONSE</th>
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<td>Use of platinum electrodes for the electrochemical detection of bacteria</td>
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Use of platinum electrodes for the electrochemical detection of bacteria

ELECTROENCEPHALOGRAHAM

ELECTROMAGNETIC INTERACTIONS

Electromagnetic absorption in a multilayered model of man

An empirical formula for broad-band SAR calculations of prostate spherical models of humans and animals — Specific Absorption Rate

Molecular absorption of non-ionizing radiation in biological systems

Determination of bound water in biological materials from dielectric measurements

Microwave and RF dosimetry

Some recent results on the deposition of electromagnetic energy in animals and models of man

Numerical studies of absorption of electromagnetic energy by man

ELECTROMAGNETIC COMPATIBILITY

On the measurement of hazardous E.M. fields radiated through an aperture

ELECTROMAGNETIC CONTROL

REMOTE CONTROL

ELECTROMAGNETIC INDUCTION

ELECTROMAGNETIC FIELDS

Electromagnetic fields and power deposition in body-of-revolution models of man

Space osteoporosis - an electromagnetic hypothesis

Biological effects of electromagnetic fields

Biological effects of electromagnetic fields

Effect of electromagnetic fields in long-, medium-, and short-wave ranges on biological objects

A mechanism for high-frequency electromagnetic field-induced biological damage

Effects of electromagnetic field induction on development of the green algae Scenedesmus quadricula (Turpin) Breb. and composition of free amino acids in its biomass and medium in the electromagnetic field of industrial frequency as a result of exposure of an organism to an electromagnetic field of industrial frequency

Electromagnetic fields in biological media. Part 1: Dosimetry - a primer on bioelectromagnetics

Biological effects of electromagnetic fields

A review of the consequences of fluid and electrolyte shifts in weightlessness

A computer system for statistical analysis of ECG transients

Computerized clinical electroencephalography in perspective

Portable device for detection of petit mal epilepsy

Synchronous brain evoked potential correlates of directed attention in humans

A simple model of fluid flow and electrolyte regulation in the human system based upon the model of Guyton

Interfacial and intracellular water: expected anomalies in dielectric properties

A computer system for statistical analysis of ECG transients

A simple model of fluid flow and electrolyte regulation in the human system based upon the model of Guyton

Interfacial and intracellular water: expected anomalies in dielectric properties
Microwave frequencies and the structure of the double helix

Electromagnetic Interference

Electromagnetic wave filters

Electromagnetic noise

Electromagnetic properties

Electromagnetic radiation

Electromagnetic scattering

Electromagnetic wave filters

Electromagnetic wave transmission

Electromagnetic waves

Electromagnetics

Electromagnetism

Electromyography

Subject Index

NT Electro transmission

NT Electromagnetic waves

NT Electromagnetic radiation

NT Electromyography

NT Electromyography

NT Effects of vestibular stimuli on the electrical activity of muscles

NT Frequency and amplitude analysis of the EMG during exercise on the bicycle ergometer

NT Electrophysiological correlates of local muscular fatigue effects upon human visual reaction time

NT Prolonged EMG control enhancement through the application of man-machine principles

NT ELECTRON FLUX

NT ELECTRON MICROSCOPE

NT Scanning and transmission electron microscopy of the blood-bubble interface in decompressed rats

NT Design of polymeric immunosensors for cell labelling and cell separation

NT ELECTRON PARAMAGNETIC RESONANCE

NT ESR studies on different pathological states

NT ELECTRON RADIATION

NT Beta particles

NT ELECTRON SPIN RESONANCE

NT ELECTRON PARAMAGNETIC RESONANCE

NT ELECTRON TUBES

NT Cathode ray tubes

NT Electronic control

NT Evolution of the man-machine interface in surveillance radar systems

NT Control logic design criteria for multifunction switching devices --- in aircraft

NT ELECTRONIC EQUIPMENT

NT Electronic filters

NT ELECTRONIC TRANSISTORS

NT Miniature electronic equipment

NT Improved subcutaneous electrode structure

NT ELECTRONIC FILTERS

NT The effects of filtering the Hic-Purkinje system electrocardiogram

NT Computerized clinical electroencephalography in perspective

NT ELECTRONIC SWITCHES

NT Switching circuits

NT ELECTRONIC TRANSFORMERS

NT Development and application of resistive pulse spectroscopy: Studies on the size, form and deformability of red blood cells

NT ELECTRONICS

NT The effect of 1 to 5 keV electrons on the reproductive integrity of microorganisms

NT Electromyography

NT Electrophoresis studies for the taxonomic characterization of soil microorganisms

NT Electrophoresis pattern of serum from mice exposed to different concentrations of sulfur dioxide

NT preparation of guinea pig macrophages for electrophoretic experiments in space

NT ELECTRO-OPTICS

NT Electro-optics

A-68
The dependence of the CO2 removal efficiency of LiOH on humidity and mesh size --- in spacecraft life support systems [ASME PAPER 78-ENAS-5] p0006 A79-12554
Animal life support transporters for Shuttle/Spacelab [ASME PAPER 78-ENAS-10] p0006 A79-12559
The Spacelab flight unit environmental control/life support system [ASME PAPER 78-ENAS-14] p0007 A79-12563
Physiological requirements for design of environmental control systems - Control of heat stress in high-performance aircraft [ASME PAPER 78-ENAS-22] p0007 A79-12571
Challenges to life support system's future [ASME PAPER 78-ENAS-26] p0009 A79-12577
Extended duration orbiters life support systems options [ASME PAPER 78-ENAS-31] p0008 A79-12580
Instrumentation for controlling and monitoring environmental control and life support systems [ASME PAPER 78-ENAS-40] p0009 A79-12587
Environmental monitoring
Environmental test and evaluation of molecular sieve on-board oxygen generation system [ASD-A061531] p0125 A79-17559
Environmental quality
Environmental surveys
Zinc [PB-285136/1] p0057 A79-13704
Radiofrequency radiation levels and population exposure in urban areas of the eastern United States [PB-292855/4] p0241 A79-27679
Environmental temperature
Environmental test and evaluation of a molecular sieve on-board oxygen generation system [ASME PAPER 78-ENAS-40] p0009 A79-12587
Environmental protection
A Canadian approach to high altitude protection --- fighter pilot garmenty and high pressure masks p0005 A79-14035
Aircraft noise and its effect on man: Methods and results of research, consequences for environmental protection --- German book p0162 A79-29763
Environmental simulation
Environmental chambers U test chambers
Environmental control
Spacelab environmental control/life support system /ECLS/ for life science experimenters [JAF PAPER 78-59] p0003 A79-11225
bovine growth hormones

The growth of single crystals from proteins in
gravity-free space

[AAIA PAPER 79-0311]  

Paradoxical reaction of some intracellular
antioxidative defense mechanisms during
adaptation of the organism to hypoxia

p165 A79-30696

Evolution of enzyme function - The coupled
oscillator theory

p205 A79-37970

Relationship between thermogenic drinking and
plasma renin activity in the rat

p235 A79-43211

Effect of adaptation to high-altitude hypoxia on
cardiac adrenoreactivity and the state of the
adenylcyclase and phosphodiesterase systems in
the myocardium

p0255 A79-46500

Plasma aldosterone, renin activity, and cortisol
responses to heat exposure in sodium depleted
and repleted subjects

p097 A79-52023

Protein fractions and enzymatic activity thereof
in the rat myocardium after the flight on
Kosmos-690 biosatellite

p0119 A79-10700

Effect of oxygen poisoning on the spectrum of
lactate dehydrogenase isozymes of rabbit blood
plasma

p0017 A79-10721

Responses of crown gall tissue to the space
environment: Glutamine synthetase activity ---
Kosmos 782

p020 A79-11555

Responses to crown gall tissue to the space
environment: Isozyme patterns --- kosmos 782

p020 A79-11555

COSMOS 916, experiment K204: The effects of space
flight on some liver enzymes concerned with
carbohydrate and lipid metabolism in the rat

p0253 A79-11735

Investigation of the activity of some enzymatic
systems in response to a super-high frequency
electromagnetic field

p0079 A79-14737

Effects of intersensory magnetic field on activity of
enzymes in the myocardium

p0079 A79-14738

Effect of 59-Ay space flight on parameters of
immunological reactivity and protein composition
of blood in the crew of Salyut-5

p0107 A79-16515

Changes in metabolism of soleus muscle tissue in
rats following the flight aboard the Kosmos-699
biosatellite

p0109 A79-16518

Comparative study of acetylcholinesterase
inactivation in warm-blooded animals and insects
with substituted vinyl phosphates

p0121 A79-17527

Tissular metabolism in mixed type fibers of rat
skeletal muscles after flight aboard Kosmos-699
biosatellite

p0244 A79-27823

Cosmos-782 biosatellite

p0244 A79-27822

KINETOLOGY

Photochemistry and enzymology of photosynthesis
[CCO-3326-70]  

p0239 A79-27673

EPIDEMIOLOGY

A new case of autochthonous malaria in the Paris
region associated with frequentation of airports

p0105 A79-23958

Feasibility of an epidemiological study of workers
occupationally exposed to high voltage electric
fields in the electric power industry

[EPRI-RA-1020]  

p0316 A79-33832

FILEDSP

Portable device for detection of petit mal epilepsy

p0254 A79-46226

EPILEPTIC

U NONDIETARY DRUGS

U NICOTINIC ACID

U HYOSCINE

U ETHYLENE OXIDE

EQUATIONS OF MOTION

U NAVIER-STOKES EQUATION

Selecting the program of motions for a biped
walking machine

p0166 A79-31490

Multibody dynamics including translation between
the bodies, with application to head-neck systems

[AD-8062114]  

p0174 A79-20747

EQUIVALENCE

Evidence for the equivalent-background hypothesis
in cones --- for dark adaptation thresholds

p0232 A79-42233

EJECTION

U CONSTRUCTION

ERGONOMICS

U HUMAN FACTORS ENGINEERING

ERROR ANALYSIS

Subjective data in human reliability estimates

p0064 A79-15398

A numerical method of data analysis with
relation to errors --- curve fitting with harmonic
analysis

p0061 A79-17585

Perception of graphic displays of space

p0062 A79-18205

Predictive validity of flight simulators as a
function of simulator motion

p0181 A79-32627

Error rate information in attention allocation

p0115 A79-17483

Perceived quantization error. Effect of
quantization function, reconstruction function
and number of levels

[FOA-C-56015-H9]  

p0297 #79-52021

ERROR SIGNALS

The human as a detector of changes in variance and
bandwidth

p0117 A79-17496

ERRORS

U PILOT ERROR
EXHAUST GASES
A literature review-problems and definitions studies on selected toxic chemicals, Volume 1: Occupational health and safety aspects of diesel fuel and white smoke generated from it [40-A056018] p0025 N79-11686
Human health damages from mobile source air pollution: A delphi method, Volume 1 [98-280319/7] p0145 N79-18585
In-flight toxicology of fixed and rotary wing aircraft crew stations p0149 N79-19619
Health effects associated with diesel exhaust emissions, literature review and evaluation [3B-209817/9] p0171 N79-20727

EXHAUST EMTS U EXHAUST GASES

EXHAUST
Heat- and exercise-induced hyperthermia - Effects on high-energy phosphates p0266 A79-57332

EXOBIOLOGY
Life sciences and space research XVI: Proceedings of the Open Meetings of the Working Group on Space biology, Tel Aviv, Israel, June 7-19, 1977 p0005 A79-12508
Life support systems for biological specimens in the Shuttle/Spacelab [ASM PAPERS 78-TNASA-38] p0009 A79-12585
Spacelab and beyond - Bioscience problems in the use of space [SGLS PAPER 78-129] p0041 A79-18091
Biological implications of the Viking mission to Mars p0095 A79-14595
The Viking biological investigations - Review and status p0100 A79-22083
The physical appearance of intelligent aliens p0105 A79-24519
The response of selected terrestrial organisms to the Martian environment - A modeling study p0136 A79-27928
The importance of the physical laws on the origin and evolution of life p0207 A79-37993
Biological experiments carried out aboard the biological satellite Cosmos-936 p0230 A79-81717
Influence of orbital flight conditions on formation of genitals in Musca cerea racecens and Anethus graveolens p0230 A79-81718
US experiments flown on COSMOS 782 p0020 N79-11652
Absence of gastric ulceration in rats after flight on the COSMOS 782 p0021 N79-11660
Experiment K-0021: Results of histological examination of inginal lymph nodes, supplementary report --- COSMOS 782 satellite p0021 N79-11662
Effects of space flight on plasma and glandular concentrations of pituitary hormones --- COSMOS 782 satellite p0021 N79-11664
Space biology and aerospace medicine, vol. 12, no. 6 [JPRS-72487] p0072 N79-14716

A-73
EXPANDABLE STRUCTURES

- Space biology and aerospace medicine, no. 2, 1979
  [JPHS-73377] p0190 N79-23677
- Space biology and aerospace medicine, v. 13, no. 1, 1979
  [JPHS-73788] p0243 N79-27817

BIOSPAPER: Biological space experiments, a compendium of life sciences experiments carried on US spacecraft
- NASA-NS-59217
  p0261 N79-29784
- Space Biology and Aerospace Medicine, no. 9, 1979
  [JPHS-78310] p0310 N79-33789

EXPANDABLE STRUCTURES

- HT GAS BAGS
- NT INFLATABLE STRUCTURES

EXPECTATION

- The effect of expectations on slow oculomotor control. 1 - Periodic target steps. 1T - Single target displacements. p0225 A79-40185

EXPERIMENTAL DESIGN

- Experimental designs for investigating complex human operator/machine systems. p0040 A79-13225
- The European life sciences experiments onboard the first Spacelab mission. p0100 A79-22256
- Importance of temperature control for REFLUX, a biological experiment for Spacelab 1 - plant gravitational physiology study. p0230 A79-41716
- Design, fabrication and utility of a flight oriented performance test. p0271 A79-49728
- Prospective Medicine Opportunities in Aerospace Medicine --- conferences. [AGARD-c-231] p0026 N79-11692
- A construct validation of adaptive achievement testing. [AD-A063168] p0173 N79-20742
- Knee flexion limit: Background, experimentation and design criteria. [AD-A063168] p0220 N79-25746
- Some of the problems involved in planning biological experiments. p0312 N79-33805

EXPERIMENTATION


EXPERIMENTATION

- Modeling the effect of axial brachial tension on expiratory flow. p0067 A79-18957
- Mechanics of breathing during graded exercise measured with the bodyplethysmograph. p0029 N79-11709
- Density dependence of maximum expiratory flow. p0050 N79-12691

EXPRESSED AIR


EXPLORATION

- NT SPACE EXPLORATION
- NT EXPLORATIVE DECOMPRESSION
- Scanning and transmission electron microscopy of the blood-bubble interface in decompressed rats. p0266 A79-47333

EXPLOSIVE DEVICES

- Safety evaluation tests of personal protective equipment for ordnance operations. [AD-A058987] p0053 N79-12712
- Investigation of techniques to reduce electrostatic discharge susceptibility of ESD's containing plastic plugs. [AD-A058987] p0093 N79-15638
- Exposure Assessment of human exposures to atmospheric benzene. [PB-288203/7] p0051 N79-12701
- Developmental and hematological responses to low level continuous exposure of nitrogen dioxide in mice. p0147 N79-19226
- Electrochemical properties of murex from mice exposed to different concentrations of sulfur dioxide. p0147 N79-19027

- Radiofrequency radiation levels and population exposure in urban areas of the eastern United States. [PB-298235/4] p0241 N79-26779
- Direct exposure of anneloids of man and insects to airborne pollutants in a unique culture system. [AD-A069362] p0263 N79-31897
- Effects of populations of exposure to low levels of ionizing radiation: Implications for nuclear energy and medical radiation. [LBL-9064] p0316 N79-33833

EXTENSIONS

- Concept definition for an extended duration orbiters ECLSS. [NASA-CR-160161] p0197 N79-23666

EXTRAGALACTIC LIGHT

- NT EXTRATERRESTRIAL RADIATION
- NT LIGHT (VISIBLE RADIATION)

EXTRATERRESTRIAL LIFE

- Public health considerations associated with a Mars surface sample return mission. p0050 A79-12510
- Biological implications of the Viking mission to Mars. p0045 A79-14595
- The Viking biological investigations - Review and status. p0100 A79-22083
- Chemical fingerprints of life in terrestrial soils and their possible use for the detection of life on Mars and other planets. p0136 A79-27929
- A review of recent concepts of the problem of the origin of life. p0221 A79-36041
- Solar-driven chemical energy source for a Martian biota. p0254 A79-46644
- Some comments on interpretations of Viking biological experiments. p0255 A79-46665

EXTRATERRESTRIAL RADIATION

- NT GALACTIC RADIATION
- NT SOLAR RADIATION
- NT SUNLIGHT

EXTRATERRESTRIAL RADIATION

- NT SPACE EXPLORATION
- NT SOLAR RADIATION
- NT SUNLIGHT

EXTRATERRESTRIAL RADIATION

- NT SPACE EXPLORATION
- NT SOLAR RADIATION
- NT SUNLIGHT

EXTRAUTEROMORPHIC ACTIVITY

- Construction in space - Toward a fresh definition of the man/machine relation. p0187 A79-34985
- The biomedical implications of extended duration zero-g extravehicular activities. [JPP-35-355] p0303 A79-53447
- Physiological/hygroscopic and ergonomic aspects of Salaya 6 components extravehicular activity JMA/ [NASA-CR-151667] p0113 N79-16553
- Probability of caisson disease while wearing a space suit when exiting from a spacecraft with
an atmosphere close to that of earth

---

**EXTRAVEHICULAR MOBILITY UNITS**
- NT ASTRONAUT MANEUVERING EQUIPMENT
- NT ASTRONAUT LOCOMOTION

**EYE (ANATOMY)**
- NT CORNER
- NT PUPILS
- NT RETINA
- NT NOCTURNAL ADAPTATION
- NT SACCADIC EYE MOVEMENTS
- NT ELECTRONYSTAGMOGRAPHY
- NT PHOTOPHOSPHORESCEIN
- NT HYPEROPIA
- NT GLAUCOMA
- NT HYPERMETROPIA
- NT MYOPIA

**EYE MOVEMENTS**
- NT SACCADIC EYE MOVEMENTS
- NT ELECTRONYSTAGMOGRAPHY
- NT NYSTAGMUS
- NT OPTIC NERVES
- NT FOVEA

**EYE DISEASES**
- NT GLAUCOMA
- NT HYPEROPIA

**EYE DOMINANCE**
- The perceived direction of the binocular image

**EYE STIMULATIONS**
- NT ELECTRONYSTAGMOGRAPHY
- NT PHOTOPHOSPHORESCEIN

---

**EYE MOVEMENTS**
- NT SACCADIC EYE MOVEMENTS
- NT ELECTRONYSTAGMOGRAPHY
- NT NYSTAGMUS

---

**SUBJECT INDEX**

- An analysis of the nystagmic system by means of double step stimuli
- The peripheral critical flicker frequency
- Advanced transport operation effects on pilot scan patterns
- Lightweight helmet-mounted eye movement measurement systems
- The retinal resolving power measured by laser interference fringes
- Mechanisms of retinal damage from chronic laser radiation: Thresholds and mechanisms
- Low level laser light effects --- on vision
- The physiological significance of light for human beings
- Selection and techniques for analysis of indices for human eye movements
- Effects of information processing requirements on reaction time of the eye
- Visual target acquisition and ocular scanning performance
- Eye movements and symmetry -- Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field
- Accuracy and sensitivity analysis of model eye movements
- Considerations for information display
- Contrast effects on smooth-pursuit eye movements velocity
- Velocity precision in smooth pursuit eye movements
- Visual-vestibular interactions. I -- Influence of peripheral vision on suppression of the vestibulo-ocular reflex and visual acuity
- Smooth pursuit eye movements -- In perceived motion necessary
- Information transmission during eye movements
- Methodological considerations of visual workloads of helicopter pilots
The use of synchronous demodulation for the measurement of eye movements by means of an ocular magnetic search coil

The role of perceived motion in smooth pursuit eye movements

The effect of expectations on slow oculomotor control. I - Periodic target steps. II - Single target displacements

The influence of rapid prism adaptation upon fixation disparity

Laser Doppler technique for measurement of eye movement

Eye torsion and visual tilt are mediated by different binocular processes

Spatial summation in human vision - Simple reaction time measurements

Eye movements and visual perception --- Russian book

Forms of oculomotor activity under conditions of positive visual feedback

Lightweight helmet-mounted eye movement measurement system

Optokinetic reactions in man elicited by localized retinal motion stimuli

Eye torsion in response to a tilted visual stimulus

Modeling of visual-ventilatory interaction and the fast components of systagmus

Effects of information processing requirements on reaction time of the eye

Lightweight helmet-mounted eye movement measurement system

A relationship between eye movement patterns and performance in a precognitive tracking task

Dynamic measurement of human cyclofusional eye movements

A method for semi-automatic analysis of eye movements

EYE PROTECTION

LASERS

F-4 AIRCRAFT

F-4 aircraft: instructional system development: Phase I

Air-to-air combat skills: Contribution of platforms to inertial training

Correlation of mechanism of extreemity injury and aerodynamic factors in ejections from F-4 aircraft

F-110 AIRCRAFT

F-15 AIRCRAFT

Biodynamic effects of canopy loss in the TF-15 aircraft

F-16 AIRCRAFT

Life cycle costing of simulated vs actual equipment for intermediate maintenance training --- for F-16 avionics

Application of learning curves of aircraft produced at more than one location to the F-16 lightweight fighter

Application of biodynamic models to the analysis of F-16 canopy birdstrike

Application of a structured decision process for proper inclusion of human resources in the design of a power unit support stand

F-18 AIRCRAFT

The application of computer aided evaluative techniques to system test and evaluation --- of fighter aircraft pilot performance

System operability - Concept and measurement in test and evaluation --- man system compatibility indices in F-18 aircraft example

F-104 AIRCRAFT

Oculogravic illusion in response to straight-ahead acceleration of a CF-104 aircraft

F-111 AIRCRAFT

Spinal injuries in the F/PB-111 crew escape system

FABRICATION

SPACE MANUFACTURING

FABRICS

Development of integrated tubing fabric for liquid conditioning underwear

Bioassay of thermal protection afforded by candidate flight suit fabrics

Evaluation of four thermally protective fabrics using the USAARL bioassay method

FABRY-PEROT LASERS

FACE (ANATOMY)

FACTOR ANALYSIS

Vigilance and electroencephalogram --- human performance in compensatory target tracking

Analysis of electroencephalogram during psychomotor performance

Time-sharing ability in complex performance: An expanded replication

FACULTY-PROF LASERS

FACE (ANATOMY)

Development of a specialized head/face protective device for test parachuting operations

Field evaluation of experimental crash-crew firefighter's facepiece

FACTOR ANALYSIS

Vigilance and electroencephalogram --- human performance in compensatory target tracking

Analysis of electroencephalogram during psychomotor performance

Time-sharing ability in complex performance: An expanded replication

FABRIC

Providing an eye separator on a color cathode tube --- enhancing visual acuity

SUBJECT INDEX

EYE PROTECTION

F-4 AIRCRAFT

F-110 AIRCRAFT

F-16 AIRCRAFT

F-18 AIRCRAFT

F-104 AIRCRAFT

F-111 AIRCRAFT

FABRIC

FACE (ANATOMY)

FACTOR ANALYSIS

FABRIC
FLIGHT FATIGUE

Accident injuries and flying fitness p0182 A79-33189
Ageing and flying fitness p0182 A79-33190
Electrocardiographic abnormalities in Air Force personnel p0182 A79-33191
Disability pattern amongst civil aircrew p0182 A79-33192
Human error accidents - Case studies --- for aircraft p0183 A79-33193
An overview of helicopter mission specific survival equipment p0183 A79-33625
Current trends in UK military aircrew survival equipment p0183 A79-33633
Improved headgear for fixed wing Navy aircrewm p0184 A79-33641
The fitting of Canadian Forces aircrew helmets - Why the difference p0184 A79-33645
Positive pressure breathing as a protective technique in +Gz acceleration p0201 A79-37132
Fighter index of thermal stress / FITS - guidance for hot-weather aircraft operation p0202 A79-37715
Sources of noise on flying personnel p0227 A79-41669
Hyperventilation in aircrew - A review p0235 A79-43212
Cockpit thermal stress and aircrew thermal strain during routine jaguar operations p0266 A79-47334
Spinal injuries in the F/FN-111 crew escape system p0274 A79-49996
Automatic audiometry in the practice of flight-personnel examination p0295 A79-51089
Cold water survival suits for aircrew p0298 A79-52282
Effects of vibration and noise on some indices of efficiency of F-14 helicopter crews p0315 A79-10711
Prospective Medicine Opportunities in Aerospace Medicine - conferences (AGARD-CP-231) p0326 A79-11692
Distinguishing borderline hypertensives from normotensives: A clinical study of 300 aircrewm p0327 A79-11699
Psychosocial aspects of syncope and vertigo in aircrew p0337 A79-11701
Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying (AGARD-CP-232) p0328 A79-11705
Detection of coronary artery disease in apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusionigraphy p0329 A79-11712
Left Anterior Resilohack (LAR): Diagnosis and aeromedical risk p0329 A79-11715
Effect of age on relaxed +Gz sub z tolerance of aircrewm p0330 A79-11719
The impact of coronary vascular risk factors on professional aircrew license loss in the United Kingdom p0331 A79-11724
Cardiovascular diseases as a cause of unfitness for flying service in aircrews of Italian Air Force: Etiopathogenesis, influence of performance in flight, and prevention p0331 A79-11725
Study of crew task loading on the C-141a aircraft p0334 A79-11746
Aircrew personnel restraint subsystems definition of deficiencies and requirements (AD-A0586909) p0334 A79-11786
Aircrew inflight physiological data acquisition system 2 (AD-A0563881) p0353 A79-12711
Lighter index of thermal stress: Development of interim guidance for hot-weather USAF operations (AD-A053471) p0555 A79-13690
Development of the CW-48/P high temperature resistant aramid knit flyer's coverall (AD-A059128) p0059 A79-13716
A survey of existing computer programs for aircrew workload assessment (AD-A058518) p0059 A79-13718
Dynamic medical monitoring of flight crews in the course of long-term flights p0072 A79-14719
Effect of psychophysiological self-regulation on emotional stability of aviation cadets in flight and on effectiveness of assimilation of flight training program p0074 A79-14735
A simulator study of the interaction of pilots with errors, vigilance, and decisions (NASA-TM-78082) p0079 A79-14769
Engineering test and evaluation during high G. Volume 2: Anti-G valves (AD-A059521) p0081 A79-14780
Lightweight helmet-mounted eye movement measurement system p0090 A79-15619
Ergometric tests in expert medical certification of flight personnel p0109 A79-15627
A review of individual performance in air-to-ground target detection and identification studies (AD-A061580) p0124 A79-17551
Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976 (FAA-AM-78-25) p0144 A79-18582
Backache in OH-1D helicopter crews p0149 A79-19620
Evaluation of aircrew fatigue during operational helicopter flight mission p0149 A79-19622
Implementation of a divisional aviation program to decrease flight crew fatigue p0150 A79-19624
TADAP: A computer-aided technique for reducing aircrew task analysis data - - - helicopter design considering human factors p0150 A79-19628
A system of training in aviation physiology and human factors for Army and Navy helicopter aircrewm p0151 A79-19635
The effective acoustic environment of helicopter crews p0152 A79-19645
F-4J/F Instructional system development: Phase I (AD-T461098) p0156 A79-19684
Evaluation of the Sierra Engineering Company Lightweight helmet (AD-A062799) p0157 A79-19689
Aircrew modularized inflight data acquisition system (AD-A066725) p0190 A79-22766
Survival and protection of aircrew in the event of accidental immersion in cold water (AGARD-CP-211) (ENI) p0196 A79-23661
The effect of a reclined sitting position on psychomotor performance during exposure to high, sustained +Gz acceleration (PDRC-1362) p0248 A79-27856
The effect of acceleration and seat back angle on performance of a reaction time task (PDRC-1364) p0248 A79-27857
The influence of seat back angle on acceleration tolerance (PDRC-1365) p0248 A79-27858
A human body and crew station modelling system for motion studies p0287 A79-31922
Progress in measuring and modeling the effects of low frequency vibration on performance p0298 A79-31930
FLIGHT FATIGUE

Evaluation of aircrew fatigue during operational helicopter flight mission p0149 A79-19622
Changes in the rotary wing aviator's ability to perform an uncommon low altitude rearward hover maneuver as a function of extended flight duty cycle requirements and aviator fatigue p0150 A79-19623
Implementation of a divisional aviation program to decrease flight crew fatigue p0150 A79-19624
FLIGHT SIMULATORS

Subject Index

Flight simulators --- human performance in flight simulation studies p0673 N79-14724

Vestibular influences on sensory and motor processes --- human performance in flight simulation studies p0694 N79-15893

Motion cue models for pilot-vehicle analysis p0675 N79-17561


Aircraft flight simulation of soil-explorab experiment using an implanted telemetry system to obtain cardiovascular data from the monkey p0147 N79-19222


Air-to-air combat skills: Contribution of platform motion to inertial training [AD-A065238] p0173 N79-20743

User's instructions for the whole-body algorithms [NASA-CR-160233] p0219 N79-25735


Vestibular influences on other sensory and motor processes --- human performance in flight simulation studies p0673 N79-14724

Vestibular influences on other sensory and motor processes --- human performance in flight simulation studies p0673 N79-14724

Air-to-air combat skills: Contribution of platform motion to inertial training [AD-A065238] p0173 N79-20743

User's instructions for the whole-body algorithms [NASA-CR-160233] p0219 N79-25735


Influence of motion wash-out filters on pilot performance in simulated aerial refueling as a function of tanker model complexity and visual display field-of-view [AD-A070231] p0308 N79-32832

A theoretical investigation of power and control configurations for a high g-sense centrifuge drive system [AD-A070912] p0309 N79-32941

FLIGHT SIMULATORS

FLIGHT SIMULATORS

MT COCKPIT SIMULATORS

Flight management research utilizing an oculometer --- pilot scanning behavior during simulated approach and landing p0001 A79-10389

A computer-assisted simulator --- computer-assisted pilot training p0039 A79-13215

AVAS, a research facility for defining flight trainer visual system requirements p0062 A79-18207

A visual simulator with transformation of the perspective in the raster of television pictures --- German book on pilot training systems p0069 A79-19375

Psychologists vs engineers --- flight simulators training requirements p0132 A79-26499

Visual system for the Moon Operator Part Task Trainer --- KC-135 aerial refueling task simulator p0137 A79-28162

Component performance of a 360 deg non-programmed visual display --- laser image flight simulator p0137 A79-28163

The holographic Pancake Window --- magnifier for flight simulation display p0138 A79-28172

Predictive validity of flight simulators as a function of simulator motion p0181 A79-32627

Psychophysical assessment of angular vibration --- comparison of vertical and roll vibrations p0234 A79-43206

The relationship between flight simulator motion and training requirements p0267 A79-47766

Soviet civil aviation training programs p0270 A79-49221

Compensation for transport delays produced by computer image generation systems [AD-A056720] p0109 A79-10738

Subjective motion discrimination in the simulator for air-to-air combat [AD-A057942] p0070 A79-14770

A model for the pilot's use of roll-axis motion cues in steady-state tracking tasks [AD-A059506] p0079 A79-14772

The development and evaluation of objective measures in ASOPT [AD-A058977] p0080 A79-14776

Influence of motion wash-out filters on pilot performance in simulated aerial refueling as a function of tanker model complexity and visual display field-of-view [AD-A070231] p0308 N79-32832

A theoretical investigation of power and control configurations for a high g-sense centrifuge drive system [AD-A070912] p0309 N79-32941

FLIGHT STRESS


A lower body negative pressure box for 4Gz simulation in the upright seated position [AD-A069326] p0223 N79-25761

Effects on A-6E bombardier/navigator flight training with the introduction of device 211A, A-6E weapon system trainer [AD-A068607] p0289 N79-31933

Advanced training features: Bridging the gap between in-flight and simulator-based models of flying training [AD-A068142] p0289 N79-31934

Flight stress the effect of Nap-of-the-earth (NOE) helicopter flying on pilot blood and urine biochemicals [AD-A055204] p0095 N79-13693

Flight stress (biology) MT SPACE FLIGHT STRESS

Case report - Intracardial gas bubbles in relation to altitude decompression chokes p0011 A79-12871

Physiological biorhythms as a correlate of pilot error accidents and incidents p0065 A79-18228

Speed and load stress as determinants of performance in a time sharing task p0068 A79-18999

Physiological aspects of flight -- Book p0134 A79-27298

Paroxysmal disorders of consciousness due to flight factors p0161 A79-29300

Oculogravic illusion in response to straight-ahead acceleration of a CF-104 aircraft p0164 A79-30660

Rotation at 30 PPM about the Z axis after 6 hours in the 10-deg head-down position - Effect on susceptibility to motion sickness p0165 A79-30662

Physiologic and performance measurements in simulated airborne combined stress environments p0202 A79-37710

Frequency analysis of heart rate variability under flight conditions p0202 A79-37713

Concurrent loss of consciousness and sino-atrial block during +Gz stress p0202 A79-37714

Fighter index of thermal stress /FIT/S -- guide for hot-weather aircraft operations p0202 A79-37715

Sources of noise stress on flying personnel p0227 A79-41169

The vestibule and flying --- pilot disorientation wearing expandable foam earplugs p0255 A79-46598


Design, fabrication and utility of a flight oriented performance test p0271 A79-49728

In-flight measures of stress reduction due to wearing expandable foam earplugs p0271 A79-49728

Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life [ZAP PAPER 79-76] p0301 A79-53285

Reproducibility of human cardiovascular responses to orthostatic stress p0303 A79-11720

Modeling the effects of high-G stress on pilots in a tracking task p0307 A79-15593

Quantification and validation of percept-genetic defense mechanisms. A hierarchical analysis of
behavior of pilots under stress
[AD-A-550206] p0129 79-17555
Human exposure to mechanical vibration at lying posture in the ambulance helicopter OH-1D
[AD-A068412] p0289 79-31934
Backache in UH-1D helicopter crews
[AD-A066670] p0149 79-19617
Prediction of whole-body response to impact forces in flight environments
p0284 79-31902
Unsteady-state response of the vascular system to transient and sustained aerospace acceleration profiles
p0286 79-31917
tedical and operational factors of accidents in advanced fighter aircraft
p0290 79-31948
Between incident and accident
p0292 79-31953
FLIGHT SURGEONS
Psychiatric education in aerospace medicine
p0202 79-37712
FLIGHT TECHNICAL ERROR
U PILOT ERROR
FLIGHT TESTS
Joint testing of the RAP high altitude protective ensemble
p0084 79-14438
Human factors considerations in establishing aircraft collision avoidance system alert thresholds
p0045 79-14438
Special test for astronaut selection - Tests of tolerance in the centrifuge and in flight
p0047 79-15991
Flight experience with manually controlled unconventional aircraft motions
p0088 79-15602
FLIGHT TRAINING
MT SPACE FLIGHT TRAINING
Transfer of a computer-assisted instrument procedures trainer to flight
p0039 79-13216
Development of automated performance measures for introductory air combat maneuvers
p0040 79-13223
Recurrent training/supernumerary system
p0041 79-13283
Army Aviation Training - Research now and then
[GA PAPER 781008] p0130 79-25890
Universal airborne approach to pilot performance assessment
[GA PAPER 781009] p0130 79-25891
Training effectiveness versus simulation realism
p0139 79-28166
The evaluation of a complex computer-based flight procedures trainer
p0161 79-29717
Aeromedical aspects of flying training with special reference to instructor pupil relationship
p0201 79-37139
Initial training and retraining of technical agricultural flight personnel
p0227 79-41166
A7 training effectiveness through performance analysis --- carrier landing instruction
[AD-A056230] p0031 79-11728
Effect of psychophysiological self-regulation on emotional stability of aviation cadets in flight and on effectiveness of assimilation of flight training program
p0074 79-14735
A system of training in aviation physiology and human factors for Army and Navy helicopter aircrew
p0151 79-19635
Training requirements for helicopter operation with night vision goggles
p0153 79-19650
F-4J/M instructional system development: Phase 1
[AD-A061098] p0156 79-19684
Stress and simulation in pilot training
[AD-A066670] p0222 79-25757
Air Force female pilots program: Initial performance and attitudes
[AD-A065661] p0241 79-26783
Effects on A-4F bomber/navigator flight training with the introduction of device 2P11A, A-552 weapon system trainer
[AD-A066607] p0289 79-31933
Advanced training features: Bridging the gap between in-flight and simulator-based models of flying training
[AD-A068142] p0289 79-31934
Development of an objective grading system along with procedures and aids for its effective implementation in flight
[AD-A071106] p0318 79-33846
PLFR DETECTORS
Helicopter night operations - Feasibility and impact on the overall system -- helmet mounted PLFR detectors and image intensifier goggles
p0048 79-16235
Real-time reconnaissance systems simulator
p0139 79-28175
Human factors aspects of low light level television and forward looking infrared sensor displays. 1: A feasibility study of scaled subjective complexity of still scenes applied to computer image generation
[AD-A058938] p0058 79-13715
PLORA
PLANTS (BOTANY)
FLOW CHARACTERISTICS
FLUX STABILITY
FLUX VELOCITY
FLOW MEASUREMENT
A fluid-mechanical study of the closure of heart valves
p0161 79-29540
Specific problems in cardiovascular fluid dynamics measurements
p0210 79-39506
Disorder in pulsatile flow - Biomedical measurements with hot film, laser and ultrasound anemometers
p0210 79-39509
Quantitative flow estimation with transcutaneous Doppler ultrasound
p0295 79-51042
Density dependence of maximum expiratory flow
p0050 79-12651
Techniques of measurement
p0247 79-27850
FLOW RATE
U FLOW VELOCITY
FLOW STABILITY
FLOW VELOCITY
Quantitative flow estimation with transcutaneous Doppler ultrasound
p0295 79-51042
A directional pulsed-Doppler ultrasonic blood flowmeter
p0050 79-12653
Aortic blood flow velocity during exercise in man
p0216 79-25710
FLOW VISUALIZATION
Invasive assessment of pulmonary hypertension
[PB-258129/0] p0057 79-13701
FLOWMETERS
MT RHEOMETERS
Ultrasonic doppler blood flow velocity sensor
[RNP-LIB-TRANS-1918] p0279 79-30920
FLOW DYNAMICS
Application of numerical methods to physiological flows --- Navier-stokes equation, prosthetic heart valves and valveconstriction
p0146 79-18945
Physiological fluid dynamics
[VI-K-LECTURE-SERIES-32] p0247 79-27843
Respiration
p0247 79-27845
Mechanics of arterial blood flow
p0247 79-27846
FLUID FLOW
MT BLOOD FLOW
MT CAPILLARY FLOW
MT CAVITATION FLOW
MT CONVECTION FLOW
MT GAS FLOW
MT UNSTEADY FLOW
A simple model of fluid flow and electrolyte balance in the body
FLUID MECHANICS

FLUID MECHANICS
MT FLUID DYNAMICS
MT HYDROSTATICS
A fluid-mechanical study of the closure of heart valves

p0161 A79-29540

FLUORESCENCE

Applications of chlorophyll fluorescence transient measurements to the functional analysis of photosynthetic processes

p0243 A79-27813

FLUORESCENT EMISSION
U FLUORESCENCE
FLUORESCENT COMPOUNDS
MT FLUOROPOLYMERS
MT POLYTFETRAFLUOROETHYLENE
FLUORESCENT ORGANIC COMPOUNDS
MT FLUOROPOLYMERS
FLUORO COMPOUNDS
MT FLUOROPOLYMERS
MT POLYTFETRAFLUOROETHYLENE
FLUOROPOLYMERS
MT POLYTFETRAFLUOROETHYLENE
Evaluation of fluoropolymer membranes in oxygenators

p0112 A79-16547

FLUOROSCOPY

Real-time computerized fluoroscopic cardiac imaging

p0294 A79-51035

FLUTTER

Liquid mechanics: Dynamic response, acoustic generation, and flow limitation

p0017 N97-10727

FLUX DENSITY
MT LUMINANCE
MT LUMINOUS INTENSITY
FLUX QUANTIZATION
Perceived quantization error. Effect of quantization function, reconstruction function and number of levels

FLUX METERS
U MEASURING INSTRUMENTS
FLYING PERSONNEL
MT AIRCRAFT PILOTS
MT ASTRONAUTS
MT COSMONAINTS
MT FLIGHT CREWS
MT PILOTS (PERSONNEL)
MT SPACECRAFT
Some tests used in the practice of aviation medical examination for differential diagnosis of heart diseases

p0188 A79-35136

Detection and supervision of obstructed respiratory flow in fliers. Advantages of debit-volume graphs

p0028 N97-11207

Measuring systolic time intervals at rest and under stress by external methods. Advantages in the evaluation of fliers

p0030 N97-11117

The advantages of ultrasonic echocardiography in the cardiological evaluation of fliers

p0030 N97-11118

FLYING PLATFORM STABILITY
U AERODYNAMIC STABILITY
FORM
A preliminary taxonomical study of silicatic 386 foams elastomer: catalysts

[LA-7366-M5]

p0071 N79-14714

FOCUSING

Night vision goggles and in-flight evaluation of the inside/outside refocusing problems in a 71-18 helicopter

p0063 A79-18215

FOG

Manual landings in Category 3 conditions

p0297 A79-57555

FOOD

A technology assessment of vegetable substitutes for animal protein in human food. Volume 1: The study

[PB-286000/2]

p0059 N97-13719

A technology assessment of vegetable substitutes for animal protein in human food. Volume 2: Appendices

[PB-284661/A]

p0059 N97-13720

Nitrogen fixation with photosynthetic marine microorganisms

[PB-284662/2]

p0059 N97-13720

SUBJECT INDEX

[PB-286000/2]
The Department of the Army's food irradiation program: Is it worth continuing

p0083 N79-15570

FOOD INTAKE
Effects of dietary composition on nutritional state in rats during exposure to high altitude

p0136 A79-27118

Changes in the circadian rhythms of performance and mood in healthy young men exposed to prolonged, heavy physical work, sleep deprivation, and caloric deficit

p0234 A79-43202

Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding

p0215 A79-43055

Effects of endogenous factors on the process of gas bubble formation in the body related to decompression

p0015 N97-10713

FOREBRAIN

Hemodynamics in teenagers and asthmatic children during exercise

p0133 A79-27102

FORECASTING
MT DELPHI METHOD (FORECASTING)
MT PERFORMANCE PREDICTION
MT PREDICTION ANALYSIS TECHNIQUES
MT TECHNOLOGICAL FORECASTING
Eye-ball control

p0270 A79-49225

FORECASTS
U FORCASTING
FOREIGN BODIES
Official method for determining ocular irritation

[NIJ-RTS-12211]
p0142 N79-18571

FOREIGN POLICY
MT INTERNATIONAL COOPERATION
FORESTS
Dispersal of forest insects

p0148 N79-19596

FORGING


p0055 N79-13691

FORM PERCEPTION
U SPACE PERCEPTION
FORMALISM
Experimental approach to the chemical evolution in the primeval sea. 1 - Formation of amino acids and amino acid polymers in modified sea mediums

p0203 A79-37935

FORMING TECHNOLOGIES
MT FORGING
FORWARD LOOKING INFRARED DETECTORS
U FLIR DETECTORS
FOSSIL METERONITE CHATEANS
U FOSSILS
FOSSILS
Epimerization of L-isoleucine on Ma-montmorillonite and its implication to Precambrian chemical fossils

p0035 A79-33023

FOURIER ANALYSIS
U AEROBIOLOGICAL PREDICTION
FOURIER TRANSFORMATION
U FAST FOURIER TRANSFORMATIONS
FOVEA
Contribution to the theory of photopic vision: Retinal phenomena

[NASA-TN-75507]
p0315 N79-33023

FRACTURING

Vertebral fractures in Gnat elections

p0201 A79-37134

FREEZER ANALYSIS
Piezoelectric Fourier analysis of images and the role of occipital, temporal and parietal cortex in visual perception

p1040 A79-29248

FREEZER TRANSFORMATION
U FAST FOURIER TRANSFORMATIONS
FOVEA
Contribution to the theory of photopic vision: Retinal phenomena

[NASA-TN-75507]
p0315 N79-33023

FRACTURING

Vertebral fractures in Gnat elections

p0201 A79-37134

FREEZE DRYING
U FREEZER RADICALS
FREEZE DRYING
Mechanisms of deterioration of nutrients --- Improved quality of freeze-dried foods

[NASA-CR-160128]
p0156 N79-19686

FREEZING
System for and method of freezing biological tissue

[NASA-CAB-26C-12173-1]
p0013 N79-10694
The objective evaluation of aircrew protective night vision goggles and in-flight evaluation of A study of cerebral blood flow in the goat. A. Microbiological evaluation of the mobile Effects of glycogen depletion and work load on Phosphorylase a in human skeletal muscle during Responses of crown gall tissue to the space Changes in blood sugar content of dogs exposed to Glucose metabolism in rat lung during exposure to Insulin-like effect of bovine growth hormone in Obtaining growth hormone from calf blood Evaluation of British and Canadian conductive Balance training of the equilibrium organ and its effect on flight strategy NT GAMMA GLOBULIN Obtaining growth hormone from calf blood Glucose metabolism in rat lung during exposure to hyperbaric 02 Insulin-like effect of bovine growth hormone in viero as demonstrated by oxidation of C19-H-glucose in diabetic rats Changes in blood sugar content of dogs exposed to chronic gamma radiation for six years Glutaminase Responses of crown gall tissue to the environment: Glutamine synthetase activity --- cosm6 782 G AINOS Microbiological evaluation of the mobile biological isolator system [NASA-CR-162293] G AINOS A study of cerebral blood flow in the goat. A. Correlations between the ventilatory and cerebrovascular responses to carbon monoxide inhalation. B. The dynamics of the cerebral blood flow response to hypoxia by frequency response analysis G AINOS Flight vision goggles and in-flight evaluation of the inside/outside refocusing problems in a helicopter The objective evaluation of aircrew protective breathing equipment. III - Improved types of mask/goggles combinations. IV - Fullface masks and hoods suitable for flight attendant use Test and evaluation in the acquisition process - A look at the PLZT goggle Test and evaluation in the acquisition process - A look at the PLZT goggle Visual and optical assessment of gas protective face masks Operational consideration of AK/PTS-5 night vision goggles for helicopter night flight Training requirements for helicopter operation with night vision goggles GOVERNMENT PROCUREMENT Radiation protection activities, 1977 GRADIENTS NT POTENTIAL GRADIENTS NT TEMPERATURE GRADIENTS NT MACH METERS GRADUATION NT CALIBRATING GRASSES NT SIA GRASSES Bacteria in a North Carolina salt marsh. Standing crop and importance in the decomposition of Spartina alterniflora (PD-288816/2) NT OTOLITH ORGANS NT REDUCED GRAVITY NT SEA GRASSES U CALIBRATING U MAGNETOMETERS NT TEMPERATURE GRADIENTS NT POTENTIAL GRADIENTS GRAVITATIONAL EFFECTS Importance of temperature control for REFLEX, a gravitational physiology study Physiological effect of high, sustained +Gz forces Cerebral accident subsequent to G-force loading - A case report A model for vestibular function in altered gravitational states Physiological effect of high, sustained gz forces on man Influence of the ambient acceleration field upon acute acceleration tolerance in chickens Importance of temperature control for REFLX, a biological experiment for Spacelab 1 --- plant gravitational physiology study Visual and optical assessment of gas protective face masks Operational consideration of AK/PTS-5 night vision goggles for helicopter night flight Training requirements for helicopter operation with night vision goggles
HELMETS

HELIUM-OXYGEN ATMOSPHERES

HELIUM

Impact tests on crash helmets for motor cyclists

Binocular holographic helmet mounted display

Evaluation of the Sierra Engineering Company

Head aiming/tracking accuracy in a helicopter

The effective acoustic environment of helicopter crewmen

Operational consideration of KN/PVS-5 night vision goggles for helicopter night flight

Effect of helicopter noise on passenger annoyance

Tentative estimation of the injuries likely to occur during the crash of a SA 341 Gazelle helicopter, from a study on mannequins

Workload and the certification of helicopters for IPP operation

HEADGEAR AND HELMETS

The helmet protects the aviator's head - Or does it

An assessment of the HAE Type 'B' helmet pressure suit automatic head enclosure

Development of a specialized head/face protective device for test parachuting operations

Light weight solid state helmet symbol display and position system

Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix

SPH-4 helmet damage and head injury correlation

Improved headgear for fixed wing Navy aircrewmen

The fitting of Canadian Forces aircrew helmets - Why the difference

Aircrew helmet protection against potential cerebral concussion in low-sagitude impacts

Lightweight helmet-mounted eye movement measurement system

Lightweight helmet-mounted eye movement measurement system

Helmet weight simulator

Helmet weight simulator

Correlation of head injury with mechanical forces based on helmet damage duplication

HEMATOCRIT

Effects of regional hemocentration during LBNP on plasma volume determinations --- Lower Body Negative Pressure

HEMATOLOGY

Studies on the erythron and the ferrokinetic responses in beagles adapted to hypergravity

Developmental and hematological responses to low level exposure of carbon monoxide in mice

Some forms of adaptation to extreme influences in the blood system

The importance of light, postural and social cues in the regulation of the plasma cortisol rhythm in man

Studies on the bioassayable growth hormone-like activity of plasma

HEMATOPOIESIS

Recovery of hemopoiesis in rats exposed to radiation during space flight

Effects of long-term and chronic radiation on hemopoiesis

Dynamic regulation of erythropoiesis: A computer model of general applicability

Improvement and validation of a computer simulation model for red cell production and turnover

Use of a computer model in the understanding of the effects of orthostatic changes on the erythropoietic system

THE HUMAN RESPONSES TO EXPOSURE TO HELIUM ENVIRONMENT

Fluid shifts during initial phase of immersion in a hypobaric helium-containing medium

Hemodynamic responses in rats to hypertoxic helium and oxygen mixtures at atmospheric and elevated pressure

Helmet weight simulator

Helmet weight simulator

Correlation of head injury with mechanical forces based on helmet damage duplication

HEMATOCRIT

Effects of regional hemocentration during LBNP on plasma volume determinations --- Lower Body Negative Pressure

HEMATOLOGY

Studies on the erythron and the ferrokinetic responses in beagles adapted to hypergravity

Developmental and hematological responses to low level exposure of carbon monoxide in mice

Some forms of adaptation to extreme influences in the blood system

The importance of light, postural and social cues in the regulation of the plasma cortisol rhythm in man

Studies on the bioassayable growth hormone-like activity of plasma

HEMATOPOIESIS

Recovery of hemopoiesis in rats exposed to radiation during space flight

Effects of long-term and chronic radiation on hemopoiesis

Dynamic regulation of erythropoiesis: A computer model of general applicability

Improvement and validation of the erythropoiesis control model for bed rest simulation

Use of a computer model in the understanding of erythropoietic control mechanisms

THE HUMAN RESPONSES TO EXPOSURE TO HELIUM ENVIRONMENT

Fluid shifts during initial phase of immersion in a hypobaric helium-containing medium

Hemodynamic responses in rats to hypertoxic helium and oxygen mixtures at atmospheric and elevated pressure

Helmet weight simulator

Helmet weight simulator

Correlation of head injury with mechanical forces based on helmet damage duplication

HEMATOCRIT

Effects of regional hemocentration during LBNP on plasma volume determinations --- Lower Body Negative Pressure

HEMATOLOGY

Studies on the erythron and the ferrokinetic responses in beagles adapted to hypergravity

Developmental and hematological responses to low level exposure of carbon monoxide in mice

Some forms of adaptation to extreme influences in the blood system

The importance of light, postural and social cues in the regulation of the plasma cortisol rhythm in man

Studies on the bioassayable growth hormone-like activity of plasma

HEMATOPOIESIS

Recovery of hemopoiesis in rats exposed to radiation during space flight

Effects of long-term and chronic radiation on hemopoiesis

Dynamic regulation of erythropoiesis: A computer model of general applicability

Improvement and validation of the erythropoiesis control model for bed rest simulation

Use of a computer model in the understanding of erythropoietic control mechanisms

THE HUMAN RESPONSES TO EXPOSURE TO HELIUM ENVIRONMENT

Fluid shifts during initial phase of immersion in a hypobaric helium-containing medium
**HEMODYNAMICS**

Control of skin blood flow during exercise -
Thermal and nonthermal factors
p0185 A79-33807

Effects of chronic changes in hemoglobin affinity in rats
p0185 A79-33808

Circulatory response to arterial hypoxia
p0221 A79-26048

Effects of regional hemocencentration during LBNP on plasma volume determinations --- Lower Body Negative Pressure
p0265 A79-67326

The metabolic demand and oxygen supply of the heart - Physiologic and clinical considerations
p0300 A79-52894

Compensatory reactions of the kidneys to orthostatic factors
p0015 A79-10708

Effects of endogenous factors on the process of gas bubble formation in the body related to decompression
p0015 A79-10713

Correction of transfacipillary exchange in man under the influence of rotation on a centrifuge while immersed in water
p0110 A79-16533

Developmental and hematological responses to low level continuous exposure of nitrogen dioxide in mice
p0167 A79-19026

Studies of venous circulation in the crew of the Salysut-5 orbital station
p0310 A79-33791

**HEMODYNAMICS**

Cardiac and vascular components of the systemic response of blood circulation to orthostatic influence
p0097 A79-20651

Regional blood supply under hypoxic hypoxia
p0097 A79-20652

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting
p0127 A79-26434

Pulmonary blood volume and interventricular circulation time in physically trained and untrained subjects
p0128 A79-29700

Age trends in the cardiovascular dynamics of astronauts
p0136 A79-27560

Individual differences in hypoxic responses at high altitudes
p0159 A79-28738

Diagnoses of initial deficiency in cerebral circulation
p0166 A79-31164

Neural regulation of coronary circulation
p0208 A79-38148

The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxia /Microcinematographic studies/

The response of the microvascular canal to a hypoxic helium-containing medium
p0208 A79-38150

Specific problems in cardiovascular fluid dynamics - measurements
p0208 A79-38151

Dynamics of the catalase activity of the blood of athletes under the influence of local decompression
p0210 A79-39506

Possibilities and perspectives of tetrapolar transthoraciac impedance rheoehemography in noninvasive studies of hem- and cardiology
p0296 A79-51118

The role of lesser circulation hemodynamic changes in pulmonary gas exchange
p0300 A79-53066

Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salusut-4
p0072 A79-14718

Development and application of resistive pulse spectroscopy Studies on the size, form and deformability of red blood cells [LDL-8680]

**HEMOGLOBIN**

HT OXYHEMOGLOBIN

- Hemoglobinemia in rats exposed to high altitude is not due to an overload of catalytic mechanisms
p0015 A79-13684

Effects of chronic changes in hemoglobin affinity in rats
p0142 A79-18576

Investigation of the content of hemoglobin and its fractions in permanent inhabitants of the Tien Shan and Pamir
p0188 A79-25124

Effects of regional hemocencentration during LBNP on plasma volume determinations "Lower Body Negative Pressure"

Polyglutaraldehyde - A new reagent for coupling proteins to microspheres and for labeling cell-surface receptors
p0274 A79-50230

Noninvasive estimation of bilirubin and hemoglobin oxygen saturation in the skin by reflection spectrophotometry
p0275 A79-46967

Thermodynamic studies on the oxygeanation and subunit association of human hemoglobin
p0284 A79-26420

Analysis of visible spectra and thermodynamic parameters in hemoprotein systems
p0296 A79-20723

Mathematical studies of oxygen transport to tissue
p0300 A79-33828

Studies of metabolization, function and mechanism of destruction of red cells [AD-A0072401]
p0315 A79-33828

**HEMORRHAGES**

Ruptured arteriovenous anomaly in a former woman astronaut candidate
p0128 A79-24600

Isolation of a shock-induced circulating cardio depressant substance
p0257 A79-13684

**HEPATICS**

Blood coagulation and tissular factors of blood clotting in heparinized rabbits submitted to hypokinesia
p0113 A79-33813

**HERING-BREWER REPLY**

Axiomatic summary and deductions from Hering's principles of visual direction
p0228 A79-41421

**HETEROCYCLIC COMPOUNDS**

HT ADENOSINES
HT ASCORBIC ACID
HT HYOSCYMIN
HT INOSICLES
HT NICOTINES
HT PROMTHIDINE
HT THYMIDINES
HT TOCOFEROL
HT TRYPOTOPHAN

**HIBRINE**

Intestinal transport of hibtrines in the rat following chronic heat exposure
p0236 A79-63701

**HIBERNATION**

Similarity in the number of lifespan heartbeats among nonhibernating homeothermic animals
p0296 A79-52281

**HIERARCHIES**

Adaptive control of a robotic manipulator
p0046 A79-15001

**HIGH ACCELERATION**

Tolerance of domestic fowl to high sustained Gz
p0127 A79-24630

Effects of brief exposure of domestic fowl to very intense acceleration fields
p0127 A79-24631

Multibody dynamics including translation between the bodies, with application to head-neck systems
p0174 A79-20747

**HIGH ALTITUDE**

Oxygen affinity of blood in altitude Sherpas
p2016 A79-67854

Composition of cerebral fluids in goats adapted to high altitude
p0277 A79-50902

Evidence for increased intrathoracic fluid volume in man at high altitude
p0305 A79-54266
HORMONES

The role of the neurohormone system of the hypothalamus in physiology and pathology --- Russian book

Acid-base homeostasis in the human system

(HO-0TH REM S)

HO RNE 0 NE S

HORMONE METABOLISMS

Comparison of hormone and electrolyte circadian rhythms in male and female humans

Energetic aspects of adaptation --- Russian book

Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of C/14-U-glucose in diabetic rats

HORMONES

ST ADRENOCORTICOTROPIN (ACTH)

ST ALDOSTERONE

ST CORTICOSTEROIDS

ST PITUITARY HORMONES

In vivo response of ornithine decarboxylase activity to growth hormone as demonstrated by oxidation of L-ornithine-1/C-14/ in hypophysectomized rats

The role of the neurohormone system of the hypothalamus in physiology and pathology --- Russian book

The effect of 1alpha-ethynylestradiol on the radiation sensitivity of mice

HOT WEATHER

Effect of water and electrolyte replacement during exercise in the heat on biochemical indices of stress and performance

Righter index of thermal stress /FITS/ - guidance for hot-weather aircraft operations

Righter index of thermal stress: Development of interim guidance for hot-weather U.S. aircraft operations

HOT-FLA ANEMOMETERS

Disorder in pulsatile flow - Biometrical measurements with hot, fills, laser and ultrasound anemometers

HOVERING

Analysis of a VTOL hover task with predictor displays using an optical control model of the human operator

Changes in the rotary wing aviator's ability to perform an uncommon low altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue

HOVERING STABILITY

An evaluation of perceptual-motor workload during a helicopter hover maneuver

An evaluation of the effects of a stability augmentation system upon aviator performance/workload during a MEDVAC high hover operation

H-31 HELICOPTER

U-31 HELICOPTER

HUGHES MILITARY AIRCRAFT

MILITARY AIRCRAFT

HUMAN BEHAVIOR

Comparison of plasma and urinary steroids in men

with type A and type B behavior patterns

Human responses to fire: Three designs for research

A formal model of the adaptive and discrete control behaviors of human operators

Translations on USSR science and technology: Biomedical and behavioral sciences, no. 47

Translations on USSR science and technology: Biomedical and behavioral sciences, no. 54

Modeling the human as a controller in a multitask environment

Prospects of a mathematical theory of human behavior in complex man-machine systems tasks --- time sharing computer analogy of automobile driving

Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

Use of reward-penalty structures in human experimentation

A decision model applied to alcohol effects on driver signal light behavior

Translations on USSR science and technology: Biomedical and behavioral sciences, no. 57

Masculinity, femininity, androgyny. What really works at work

Translations on USSR science and technology: Biomedical and behavioral sciences, no. 40

A two level model of human steering behavior in a motor vehicle

Personality profiles of divers involved in research activities

Methodological and operational aspects of programmed environment research

Car driving as a cybernetic task

HUMAN BEHAVIOR

Acid-base curve nomogram for chimpanzee blood and comparison with human blood characteristics

Central and reflex mechanisms of controlling movements --- Russian book

Metabolic adrenergic changes during submaximal exercise and in the recovery period in man

Influence of skin temperature on sweating and aerobics performance during severe work

Numerical studies of absorption of electro-magnetic energy by man

The effect of infection with herpes simplex viruses types 1 and 2 on cell DNA synthesis and thyridine kinase activities in cultured human cells

Health damages from mobile source air pollution: Additional Delphi data analysis, volume 2

Man and material in the cold regions, part 1

Investigations about the quantitative changes of carbon dioxide production in humans. Report 2: Carbon dioxide production during fever and its relationship with heat production

Acid-base homeostasis in the human system

Chemicals identified in human biological media, a pilot literature survey
Human factors design criteria for transilluminated displays
Seating, console and workplace design - Seated operator reach profiles
Seating, console, and workplace design - Integration of literature and accommodation model
The application of computer aided evaluative techniques to system test and evaluation --- of fighter aircraft pilot performance
Imagery interpreter performance in the comparison of subjective estimates of photographic image quality
Discrimination of density and clustering on four versions of a stochastic display --- human performance of pattern recognition
Tracking in two dimensions as a function of dimension priorities and tracking difficulty
A prediction model of arm push strength in the transverse plane
Computer simulation of thermoregulatory responses to heat stress - A future work design and training tool
Four years of color research for visual displays --- human performance consideration for use in aircraft
Response surface methodology as a manipulator of complex task difficulty --- for computer generated aircraft area navigation control-display systems evaluation
"Task functional demands as factors in dual-task performance
NASA flight management research
Arrangement of aircraft flight indicators with the help of optical theoretical models for man as the controller
Anthropology in Spacelab - Control and display system in Spacelab
STAP life support equipment costs
Heat transfer principles in personal protection applications
Oxygen systems for Army helicopters
Human factors considerations in establishing aircraft collision avoidance system alert thresholds
Adaptive supervisory control of remote manipulation
Subjective data in human reliability estimates
Computer-graphic design for human performance
Man-machine reliability - A practical engineering tool
The man-computer division of tasks in the case of the control of complex technical systems --- applied to aircraft
Ergonomic problems regarding the interactive touch input via screens in onboard and ground-based flight control
Quantifying operator preference during human factors test and evaluation --- in helicopter design
AWAYS, a research facility for defining flight trainer visual system requirements
Factors that affect display size criteria in a cockpit display system
Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix
Estimating percentiles of nonnormal anthropometric populations - Final report
Human engineering study of information processing applicable to helmet-mounted displays
Collision avoidance response stereotypes in pilots and copilots
Peripheral acuity and photointerpretation performance
Line criteria in target acquisition with television --- visibility of target large on TV screen
Evoked potential correlates of display image quality
Speed and load stress as determinants of performance in a time sharing task
Visual target acquisition and ocular scanning performance
A visual simulator with transformation of the perspective in the raster of television pictures --- German book on pilot training systems
Vigilance and electroencephalography --- human performance in compensatory target tracking
A controller's eye view of color
Relations between research and instruction in physiology and aerospace ergonomy in the military health services
Interdisciplinary and international contributions to research on biological effects of electromagnetic waves - Past performances and future challenges
Digital man-machine control systems - The effects of preview lag
A theoretical model to estimate some ergonomic parameters from age, height and weight
Hyper-resolution in human perception of movement in visual displays
The human operator in the control system: Linear models --- German book
A comparison of kinesesthetic-tactual and visual displays via a critical tracking task --- for aircraft control
The biomedical implications of engineering in space
Better definition of eye to aortic valve distance in high acceleration cockpit /HAC/ seating geometries
The objective evaluation of aircrew protective breathing equipment. III - Improved types of mask/goggles combinations. IV - Fullface masks and hoods suitable for flight attendant use
Improved headgear for fixed wing Navy aircrewmen
Perception of continuity in ultrasonic motion - A temporal frequency analysis
Dynamics of the eye and head during movement between displays - A qualitative and quantitative guide for designers
Pilot workload in the aircraft of the future
Thermal bounds to the time of stay of human beings in enclosures
HUMAN REACTIONS

[AD-A065606] p0261 N79-30934
Development of human performance models for man-machine system simulation

[AD-A065687] p0262 N79-30940
Exergonic research into human tolerances for roll and pitch as well as their influence on individual perception and reactions to control parameters

[SMG-PWDT-78-18] p0282 N79-30946
Progress in measuring and modeling the effects of low frequency vibration on performance

[AD-A065887] p0288 N79-31930
Taking it in academic psychology. Demographic and personality correlates of pain

Hemispheric asymmetry as related to pilot and radar intercept officer performance

[AD-A070775] p0300 N79-32831
Human performance in time-shared verbal and tracking tasks

Acoustic attitude orientation

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Laboratory performance during acute intoxication and hangover

[AD-A065727] p0316 N79-33816
The causes of decrements in aircrew performance physiological changes produced by vibration and other environmental stresses and response of the cardiovascular system to vibration and combined stress

[AD-A065952] p0318 N79-33845
Development of an objective grading system along with procedures and aids for its effective implementation in flight

Human memory. A bibliography with abstracts

HUMAN REACTIONS

False hypothesis and the pilot --- aircraft accidents due to decision making errors

[NASA-TP-1422] p0318 N79-33846
Human psychophysiology in extremal conditions --- Russian book on polar region adaptation

[NASA-TP-1422] p0318 N79-33847
Effects of information processing requirements on reaction time of the eye

Startle reactions to simulated sonic booms - Influence of habituation, boos level and background noise

[AD-A065190] p0319 N79-18219
Responses of teachers to aircraft noise

A study of the available evidence on duration effects on comfort and task proficiency under vibration

Estimated body rotation as a predictor of motion sickness susceptibility

The effects of carbon monoxide and cyanide on the brain

The 14th Annual Conference on Manual Control --- digital simulation of human operator dynamics

[ NASA-CP-2060 ] p0366 N79-15977
Directional errors of movements and their correction in a discrete tracking task --- pilot reaction time and sensorimotor performance

[ NASA-CP-2060 ] p0368 N79-15979
A three dimension model based on observer theory --- predicting a gunner's tracking response

Closed loop models for analyzing the effects of simulator characteristics --- digital simulation of human operators

Discrcte-time pilot model --- human dynamics and digital simulation

Effects of prolonged multidirectional shift of sleeping-waking cycle on physiological functions, mental productivity and sleep of man

An investigation to determine the effect of physical conditioning upon fibrinolytic reactivity in normal young men

Effect on site of microwaves in the thermal intensity region. Respiration, rectal temperature and mental reaction

Heart rate: Physiological characteristics and quantification methods for use in behavioral studies

Human health damages from mobile source air pollution: A Delphi method, volume 1

A model for predicting human discomfort response to combined noise and vertical vibration

Effects of filtering electroencephalic signals on auditory evoked brain stem response

Discomfort criteria for single-axis vibrations

Stress and fatigue in the driving environment --- physiological and psychological effects of heat and noise experienced inside automobiles

Physiological effects of a high soybean protein diet in man

Effects of asphalmetine on response selection and response execution processes in choice reaction tasks

Human TOLERANCES

Habitated +Gz tolerance in healthy men - Effect of age

Sleep and wake disturbance and head injury correlation

Physiological effect of high, sustained +Gz forces on man

Temporary threshold shift from transportation noise

Blood pressure variability of the individual in orthostatic testing

Evaluation of assisted positive-pressure breathing on +Gz tolerance

Reproducibility of +Gz tolerance testing

Aerospace highlights and potential medical applications --- in manned space flight

Biomedical relationship of human treoer and shivering on introduction to cold exposure

Quantitative review of human susceptibility to magnetic fields

Development opportunities in the space environment

Problems of human adaption to spaceflight

Multibody dynamics including translation between the bodies, with application to head-neck systems

A comparison of sweating responses in man and women before and after acclimation to humid heat

Human discomfort response to noise combined with vertical vibration

Discomfort criteria for single-axis vibrations

Effects of noise frequency on performance and annoyance

Effect of helicopter noise on passenger annoyance

Thermal conduction effects in human skin. I: Experimental data acquisition

SUBJECT INDEX

An investigation to determine the effect of physical conditioning upon fibrinolytic reactivity in normal young men

Effect on site of microwaves in the thermal intensity region. Respiration, rectal temperature and mental reaction

Heart rate: Physiological characteristics and quantification methods for use in behavioral studies

Human health damages from mobile source air pollution: A Delphi method, volume 1

A model for predicting human discomfort response to combined noise and vertical vibration

Effects of filtering electroencephalic signals on auditory evoked brain stem response

Discomfort criteria for single-axis vibrations

Stress and fatigue in the driving environment --- physiological and psychological effects of heat and noise experienced inside automobiles

Physiological effects of a high soybean protein diet in man

Effects of asphalmetine on response selection and response execution processes in choice reaction tasks

Temporary threshold shift from transportation noise

Blood pressure variability of the individual in orthostatic testing

Evaluation of assisted positive-pressure breathing on +Gz tolerance

Reproducibility of +Gz tolerance testing

Aerospace highlights and potential medical applications --- in manned space flight

Biomedical relationship of human treoer and shivering on introduction to cold exposure

Quantitative review of human susceptibility to magnetic fields

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Problems of human adaption to spaceflight

Multibody dynamics including translation between the bodies, with application to head-neck systems

A comparison of sweating responses in man and women before and after acclimation to humid heat

Human discomfort response to noise combined with vertical vibration

Discomfort criteria for single-axis vibrations

Effects of noise frequency on performance and annoyance

Effect of helicopter noise on passenger annoyance

Thermal conduction effects in human skin. I: Experimental data acquisition

An investigation to determine the effect of physical conditioning upon fibrinolytic reactivity in normal young men

Effect on site of microwaves in the thermal intensity region. Respiration, rectal temperature and mental reaction

Heart rate: Physiological characteristics and quantification methods for use in behavioral studies

Human health damages from mobile source air pollution: A Delphi method, volume 1

A model for predicting human discomfort response to combined noise and vertical vibration

Effects of filtering electroencephalic signals on auditory evoked brain stem response

Discomfort criteria for single-axis vibrations

Stress and fatigue in the driving environment --- physiological and psychological effects of heat and noise experienced inside automobiles

Physiological effects of a high soybean protein diet in man

Effects of asphalmetine on response selection and response execution processes in choice reaction tasks

Temporary threshold shift from transportation noise

Blood pressure variability of the individual in orthostatic testing

Evaluation of assisted positive-pressure breathing on +Gz tolerance

Reproducibility of +Gz tolerance testing

Aerospace highlights and potential medical applications --- in manned space flight

Biomedical relationship of human treoer and shivering on introduction to cold exposure

Quantitative review of human susceptibility to magnetic fields

Development opportunities in the space environment

Problems of human adaption to spaceflight

Multibody dynamics including translation between the bodies, with application to head-neck systems

A comparison of sweating responses in man and women before and after acclimation to humid heat

Human discomfort response to noise combined with vertical vibration

Discomfort criteria for single-axis vibrations

Effects of noise frequency on performance and annoyance

Effect of helicopter noise on passenger annoyance

Thermal conduction effects in human skin. I: Experimental data acquisition
Thermal conduction effects in human skin. 3:
Influence of epidermal thickness and exposure time
[AD-A0684861]  p0259  W79-28872

A subhuman primate restraint system
[AD-A0656071]  p0279  W79-30915

Compatibility test of oxygen exposures in the
range of 2.2 to 2.8 bar absolute
[JLB-PH-76-10]  p0280  W79-30925

Ergonomic research into human tolerances for roll
and pitch as well as their influence on
individual perception and reactions to control
parameters
[EMG-PWT-78-18]  p0282  W79-30944

The validation of biodynamic models
[AD-A0694114]  p0286  W79-31914

The use of mathematical modeling in crashworthy
helicopter seating systems
[AD-A0694114]  p0287  W79-31923

The use of spinal analogue to compare human
tolerance of repeated shocks with tolerance of
vibration, part 1
[AD-A0694114]  p0288  W79-31926

Tentative evaluation of annoyance caused by noise
from gunfire
[TF-1978-21]  p0310  W79-32843

Minimum sea surface temperatures and associated
survival times
[AD-A070162]  p0315  W79-33824

HUMAN WASTES

FT PEES
FT SWEAT
FT SHIT

Decreased activity of palladium catalyst during
processing of excreta
[NAV-AW-75A10]  p0016  W79-10716

Utilization of the wastes of vital activity
[NAV-AW-75A10]  p0177  W79-21768

HUMIDITY

The dependence of the CO2 removal efficiency of
lIDm on humidity and mesh size --- in spacecraft
life support systems
[ACMP PAPER 78-EMAC-5]  p0031  W79-12554

Human skin wettedness and evaporative efficiency
of sweating
[AD-A068133]  p0067  W79-29726

Apparatus for supplying conditioned air at a
substantially constant temperature and humidity
[NAV-AW-75A10]  p0156  W79-19688

Flight prototype CO2 and humidity control system
[NAV-AW-75A10]  p0222  W79-25760

HYBRID CIRCUITS

The use of hybrid integrated circuit techniques in
biotelemetry applications
[AD-A0694114]  p0131  W79-26195

Hybridization of biomedical circuitry
[NAV-AW-75A10]  p0111  W79-16543

HYBRID COMPUTERS

Hybrid computation of left ventricular performance
using noninvasive techniques
[AD-A067369]  p0190  W79-22758

HYDRATION

Effects of hyperhydration on human endurance of
orthostatic and LBP tests
[NAV-AW-75A10]  p0072  W79-14721

HYDRAULIC VALVES

HYDRAZINES

Metabolism of hydrazine
[AD-A062251]  p0169  W79-20716

Effects of propellant hydrazines on red blood
cells: Methemoglobin and Heinz body formation
[NAV-AW-75A10]  p0185  W79-22755

HYDROCARBON FUELS

FT DIESEL FUELS
FT JET ENGINE FUELS

HYDROCARBONS

FT PARAFFINS
FT NAPHTHALENS

Squalenes, phytanes and other isoprenoids as major
neutral lipids of methanogenic and
thermoacidophilic 'archaeobacteria'
[NAV-AW-75A10]  p0232  W79-42274

Clostridium metabolism in humans
[NAV-AW-75A10]  p0162  W79-18567

HYDROXYCIF ACID

ECW did not condense to give heteropolypeptides on
the primitive earth
[NAV-AW-75A10]  p0133  W79-26542

HYDROCYPNIC ACID

HYDROCARBONS

HYDROCARBON FUELS

HYDROXYL RADICALS

HYDROXYL COMPOUNDS

HYDROXIDES

HYDROSTATICS

HYDROSTATIC PRESSURE

HYDROSTATIC STABILITY

HYDROFOIL BOATS

HYDROGEN CYANIDES

HYDROGEN IONS

HYDROGEN COMPOUNDS
HYPEROPIA

Effect of combination of hyperoxia and hypercapnia on survival of Japanese quail

Influence of pressure chamber conditions on adrenocortical function in man (according to results of assaying blood plasma 11-hydroxy corticosteroids)

Visual acuity of the aging hyperopic eye in the intermediate range

The comparative study of metabolism changes on survival of Japanese quail

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

Mechanisms of the effect of oxygen toxicity on the energy metabolism

Glucose metabolism in rat lung during exposure to normobaric O2

Circulatory response to arterial hyperoxia

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 atm in m. mulatta

Adaptation to chronic hyperoxia in the rat - A study of pulmonary surfactant, tissue levels of superoxide dismutase and histology

The effect of normobaric hyperoxia on brain and liver tissue respiration in albino rats with different resistances to hyperoxia

The effect of oxygen poisoning on the spectrum of lactate dehydrogenase isozymes of rabbit blood plasma

Metabolic responses of ponies to treadmill exercise in hyperoxia

Combined effect of hyperoxia, low pressure and exercise on the rate of methylketone excretion from the human body

The combined effect of carbon monoxide and normobaric hyperoxia on animals

The effect of hyperoxia on cerebral blood flow in the unanaesthetized pony

Mechanisms of oxygen toxicity at the cellular level

Hyperbaric oxygenation. A bibliography with abstracts

HYPERVENTILATION

Hyperventilation in aircrew - A review

HYPOBARIAN ATMOSPHERES

Changes in lung volume, lung density, and distribution of ventilation during hypobaric decompression

Medical barofunction testing of aviators with orthostatodesmologic disease

Immunobiological reactivity of the body under hyperbaric and hypobaric conditions

HYPOTHERMIA

Hypothermia and exercise --- plasma fluid and electrolyte effects on human thermoregulation

Heat- and exercise-induced hyperthermia - Effects on high-energy phosphates

Hyperthermia as an Antineoplastic Treatment Modality

Hyperthermia in the treatment of cancer: A review of the radiobiological basis

The effect of hyperthermia on the radiation response of crypt cells in mouse jejunum

A microangiographic study of the effect of hyperthermia on the rabbit bladder

Hypothermia. A bibliography with abstracts

HYPOTROPHY

Growth

HYPOTENSION

WT POLYPEPTIDES

Hypertension

Distinguishing borderline hypertensives from normotensives: A clinical study of 300 aircrewmen

Noninvasive assessment of pulmonary hypertension using bubble ultrasonic ranging (EBUR) method, part 2

Noninvasive assessment of pulmonary hypertension

Fights index of thermal stress /FITS/ - guidance for hot-weather aircraft operations

Separation of the effects of raised skin and core temperature on performance of a pursuit rotor task

Intestinal transport of horserad in the rat following chronic heat exposure

HYPOTHERMIA

Hyperthermia and exercise --- plasma fluid and electrolyte effects on human thermoregulation

Heat- and exercise-induced hyperthermia - Effects on high-energy phosphates

Hyperthermia as an Antineoplastic Treatment Modality

Hyperthermia in the treatment of cancer: A review of the radiobiological basis

The effect of hyperthermia on the radiation response of crypt cells in mouse jejunum

A microangiographic study of the effect of hyperthermia on the rabbit bladder

Hypothermia. A bibliography with abstracts

HYPOCAPNIA

Hyperventilation in aircrew - A review

HYPODINAMIA

Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life

HYPOKINENIA

Determination of muscle mass changes in legs from E-40 measurements

Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation

State of blood clotting during prolonged hypokinesia

Antithostotic hypokinesia as an approximate model of weightlessness

Bioelectrical activity of the brain during 49-day antithostotic hypokinesia in individuals with early signs of vegetovascular dysfunction

Changes in properties of rat femur as a result of crural eustatic hypokinesia

Blood clotting factors of the vascular wall and myocardium of hypokinetic man

Effect of hypokinesia on animal resistance to chemical agents

Rehabilitation measures used to restore physical fitness of man after long-term restriction of movement

Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man

Distinctions referable to excretion of end products of protein metabolism in urine of man submitted to 182-day antiorthostatic hypokinesia

Steroid bound with blood plasma proteins and erythrocyte membranes during hypokinesia
Tissular blood clotting factors of vascular walls and myocardium during hypokinesia
Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system
Effects on lipid metabolism in man of some factors that simulate space flight conditions
Effect of restricted activity on ventilatory function
Effect of hydrostatic factor on orthostatic stability and physical fitness of man during 60-day antiorthostatic hypokinesia
Vertical orientation of man during 5-day antorthostatic hypokinesia (-4, -8 and -12 deg head down position)
Blood coagulation and tissular factors of blood clotting in heparinized rabbits submitted to hypokinesia
Hypothalamus
Interaction between hypothalamic and bulbar levels of regulating blood circulation
Effect of the blockade of hypothalamic adrenocortical structures on thermoregulatory reactions
Dynamics of the impulse activity of the neurons in the posterior hypothalamus upon exposure to microwaves
Characteristics of EEG changes in rabbits in response to local cooling or heating of the central thermosensory area
The role of the neurohormone system of the hypothalamus in physiology and pathology -- Russian book
Sympathetico uptake of hypothalamic monoamines and recovery of pituitary-adrenal activity following medial forebrain bundle lesions in rats
Effect of cerebrocranial trauma on reactive distinctions of hypothalamic and hippocampal vessels in the presence of hypoxia
Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite
Hypotension
Systolic time intervals during combined hand cooling and head-up tilt
Regional heat loss in resting man during immersion in 25.2°C water
An improved method for inducing hypothermia and rewarming
Temperature uniformity in hyperthermal tumor therapy
The effect of moderate hypothermia on the circulatory and myocardial consequences of acute coronary ligation in dogs
Coa recovery
Hypoxia
False hypothesis and the pilot --- aircraft accidents due to decision making errors
[Hypothetical studies 780526]
Developmental and hematological responses to low level exposure of carbon monoxide in mice
Effects of chronic changes in hemoglobin-02 affinity in rats
The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxia
/Microcinematographic studies/
Lung oxygen diffusibility and permeability in dogs of various ages under normal conditions and in cases of acute hypoxic hypoxia
The comparative study of metabolism changes dynamics during hypoxia and hypoxia in nice lungs
Exercise ventilation correlates positively with ventilatory chemosensitivity
3'-5'-cyclic AMP content in rat tissues during hypoxic adaptation and gasma irradiation
Noradrenaline uptake by the isolated heart of rats adapted and deadapted to hypoxia
Cerebral gas exchange in rats adapted to hypoxia during inspiration of oxygen-poor mixture
Regional blood supply under hypoxic hypoxia
Temperature effect of muscular work in the white rat during hypoxia
Responses of pial arterioles after prolonged hypcapnia and hypoxia in the awake rabbit
Thermal sweat rate response to an acute short exposure at a simulated altitude of 4,600 m
Transient changes in arterial blood gases and heart rate during and after acutely induced hypoxia and hypoxia to rabbits
Individual differences in hypoxic responses at high altitudes
Plasma electrolytes in relation to altitude tolerance in rats
Mechanical vs. ischemic mechanisms for decompression sickness
Effect of hypoxia on the development of Drosophila melanogaster /Melgen/
Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia
The response of the microvascular canal to a hypoxic helium-containing medium
Abolition of a viscerosomatic reflex during oxygen deprivation
Response of women mountaineers to maximal exercise during hypoxia
Effect of physical training at moderate altitude /1850 m/ on hypoxic tolerance
Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylcyclase and phosphodiesterase systems in the myocardium
Epiphysis of rats under the combined action of hypoxia, hypercapnia and cooling
Absence of effects of hypoxia on small airway function in humans
Cross-adaptive effects of cold, hypoxia, or physical training on decompression sickness in mice
Comparative study of hypoxia and other non-invasive stress tests for evaluation of ischemic heart disease
New inventory for the assessment of symptom occurrence and severity at high altitude
Lung inflation and longitudinal distribution of pulmonary vascular resistance during hypoxia

SUBJECT INDEX

Hypothensis

Hypoxia
Effect of hypoxia on mechanical properties of hyperthyroid cat papillary muscle

Lung oxygen diffusibility and permeability in dogs of various ages under normal conditions and in cases of acute hypoxic hypoxia

The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia

The interaction of carbon monoxide and altitude on aviator performance: Pathophysiology of exposure to carbon monoxide

Dynamics of impairment of pilot performance in the presence of hypoxia

Blood lipid changes in hypoxic rats

Effect of intermittent hypoxia on functional activity of peripheral blood neutrophils

Effect of cerebrocranial trauma on reactive distinctions of hypothalamic and hippocampal vessels in the presence of hypoxia

Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. Volume 1: Design considerations and research protocol

A study of cerebral blood flow in the goat. A. Correlations between the ventilatory and cerebrovascular responses to carbon monoxide inhalation. B. The dynamic of the cerebral blood flow response to hypoxia by frequency response analysis

The effects of brain ischemia on the control of breathing in unanesthetized goats

Effect of combination of hypoxia and hypercapnia on survival of Japanese quail

The pulmonary circulation: Studies on alveolar hypoxia and vascular smooth muscle metabolism

Effect of acute hypoxia on some parameters of renal excretory function and renal hemodynamics

Altitude hypoxia, volume 1. A bibliography with abstracts

Altitude hypoxia, volume 2. A bibliography with abstracts

Effects of propranolol on time of useful function (TOF) in rats --- tolerance to rapid decompression

Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes

Influence of pressure chamber conditions on adrenalectomized function in man (according to results of assaying blood plasma 11-hydroxycorticosteroid)

Effect of hypoxia on apparent orientation of rodents - Vibratory myesthetic illusions

Sensory illusions of vestibular origin

The physiologist's view of sensory illusions

ILS (LANDING SYSTEMS)

U INSTRUMENT LANDING SYSTEMS

IMAGE CONTRAST

Perceptual delay - A consequence of metacaloric and apparent motion

Contrast enhancement using local area brightness and gain control --- of airborne CRT display

Visual acuity with regard to simultaneous colored contrast on a television screen - Results

Contrast effects on smooth-pursuit eye movement velocity

Visual contrast sensitivity functions obtained with colored and achromatic gratings

Effects of stimulus onset and image motion on contrast sensitivity

Contrast sensation - A linear function of stimulus contrast

IMAGE ENHANCEMENT

Digital enhancement of computerized axial tomograms

Contrast enhancement using local area brightness and gain control --- of airborne CRT displays

Digital image anomalies - Static and dynamic --- rastering and aliasing effects and elimination

Autograftic enhancement of mammograms

IMAGE FILTERS

Compensation for transport delays produced by computer image generation systems

Investigation of nonlinear motion simulator washout schemes

IMAGE MOTION COMPENSATION

Subjective motion discrimination is the simulator for air-to-air combat

Influence of motion wash-out filters on pilot tracking performance

IMAGE PROCESSING

The robot's eyes - Stereo vision system for automated scene analysis

Imagery interpreter performance in the evaluation of subjective estimates of photographic image quality

Digital color image compression in a perceptual space

Robotic vision --- process control applications

Computer quantitation of coronary angiograms

Visual motion perception by intelligent systems

Psychological aspects of the human-operator's activity while tracking

General methods to enable robots with vision to acquire, orient, and transport workpieces

Image processing program completion report

Diagnosis of cutaneous thermal burns injuries by multispectral imaging analysis

IMAGE RESOLUTION

High-speed computerized tomography

Hyper-resolution in human perception of movement in visual displays

A-106
Aircrew helmet protection against potential cerebral concussion in low-magnitude impacts  
p0201 N79-37705
A head injury model  
p0286 N79-31918
Correlation of head injury with mechanical forces based on helmet damage duplication  
p0287 N79-31920

IMPACT ACCELERATION

IMPACT TESTS
Whole body response research program  
[PB-2896151/6]  
p0093 N79-15464
Whole body response research program. Appendix A: Methodology  
[PB-2896152/4]  
p0094 N79-15461
Whole body response research program. Appendix C: Processed data  
[PB-2896154/0]  
p0094 N79-15443
Photometric methods for the analysis of human kinematic responses to impact environments  
[AD-A062006]  
p0157 N79-19690
Calibration of three year old child dummies  
[PB-2896161/6]  
p0157 N79-19692
Evaluation of research on surrogates for humans in motor vehicle crashes  
[PB-291012/3]  
p0178 N79-21774
Impact tests on crash helmets for motor cyclists  
[AD-A065966]  
p0246 N79-27833
Animal endurance to recurrent impact accelerations  

IMPACT TOLERANCES
A failure criterion for human, vertebral, cancellous bone  
p0285 N79-31912

IMPEDANCE

MT ELECTRICAL RESISTANCE
MT RESPIRATORY IMPEDANCE

IMPEDANCE MEASUREMENTS
Reliability of determining the cardiac output by the method of quadrupole chest impedance  
p0086 N79-21243

INFLATION
Development of an electrical energy converter for circulatory device  
[PB-286738/0]  
p0111 N79-16545

IMPLANTED ELECTRODES (BIOLOGI)

Telemetry of intracranial pressure  
p0227 A79-41400
An inducibly powered telemetry system for temperature, EKG, and activity monitoring  
p0228 A79-41828
Electric field measurements within biological media  
p0883 N79-15562
Improved subcutaneous electrode structure  
[NASA-CASE-ARC-11117-11]  
p0884 N79-15576
Aircraft flight simulation of space shuttle experiment using an implanted telemetry system to obtain cardiovascular data from the monkey  
p0147 N79-19022
Metal biodelectrode polarization: A frequency and time domain analysis  
p0176 N79-21755

IN-FLIGHT MONITORING

Instrumentation for controlling and monitoring environmental control and life support systems  
[IAE PAPER 78-KSA5-40]  
p0009 A79-12587
Aerobiotelemetry from a fighter aircraft  
p0200 N79-37131
The electrocardiograms recorded by telemetry during a parachute jump, compared to a trace during stress tests - A preliminary study of 29 cases  
p0256 N79-46600
In-flight measures of stress reduction due to wearing expandable foam earplugs  
p0273 A79-49986
Aircrew inflight physiological data acquisition system 2  
[AD-A055631]  
p0055 N79-13690
Space biology and aerospace medicine, vol. 12, no. 6  
[SPRS-72487]  
p0072 N79-14716
Dynamic medical monitoring of flight crews in the course of long-term flights  
p0072 N79-14719
Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft  
p0072 N79-14720

INFERENCE

Some Bayesian inference procedures for use in
INFRARED INSTRUMENTS

INFRARED RADIATION

INFRARED DETECTORS

INFORMATION TRANSMISSION

INFORMATION SYSTEMS

INFORMATION RETRIEVAL

INFLATING

Development of a solid propellant inflation technique for the subcompact car passenger restraint system, phase 1

INFORMATION DESSERATION

Pilot preflight briefing utilizing an interactive computer generated Voice Response System

INFORMATION MANAGEMENT

Communications management by the remote system - An adaptive approach --- modeling of RPS autopilot/operator systems

INFORMATION RETRIEVAL

A preliminary investigation of aural input/output systems for in-flight information retrieval

INFORMATION SYSTEMS

Reframing of a computer simulation model for evaluating RAS display concepts --- Digital Avionics Information System

INFORMATION THEORY

Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

INFLATION

Dental auralization method and apparatus --- rigid bladder (NASA-CR-15167-1)

INFLATABLE DEVICES

NT FAR INFRARED RADIATION

NT FLIR DETECTORS

NT FLIR DETECTORS

NT DATA TRANSMISSION

INFLATABLE STRUCTURES

NT AIR BAG RESTRAINT DEVICES

NT GAS BAGS

Design considerations for inflatable head/neck restraint systems

INFLATABLE STRUCTURES

AN INFLATABLE RESTRAINT SYSTEM --- for helicopter crash protection

AN ASSESSMENT OF THE RAE TYPE 'B' full pressure suit automatic head enclosure

INFLATABLE STRUCTURES

Spine immobilization method and apparatus --- rigid bladder (NASA-CR-15167-1)

INFLATING

Development of a solid propellant inflation technique for the subcompact car passenger restraint system, phase 1

INFORMATION DESSERATION

Pilot preflight briefing utilizing an interactive computer generated Voice Response System

INFORMATION MANAGEMENT

Communications management by the remote system - An adaptive approach --- modeling of RPS autopilot/operator systems

INFORMATION RETRIEVAL

A preliminary investigation of aural input/output systems for in-flight information retrieval

INFORMATION SYSTEMS

Reframing of a computer simulation model for evaluating RAS display concepts --- Digital Avionics Information System

INFORMATION THEORY

Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

INFLATION

Dental auralization method and apparatus --- rigid bladder (NASA-CR-15167-1)

INFLATABLE DEVICES

NT FAR INFRARED RADIATION

NT FLIR DETECTORS

NT FLIR DETECTORS

NT DATA TRANSMISSION

INFLATABLE STRUCTURES

NT AIR BAG RESTRAINT DEVICES

NT GAS BAGS

Design considerations for inflatable head/neck restraint systems

INFLATABLE STRUCTURES

AN INFLATABLE RESTRAINT SYSTEM --- for helicopter crash protection

AN ASSESSMENT OF THE RAE TYPE 'B' full pressure suit automatic head enclosure

INFLATABLE STRUCTURES

Spine immobilization method and apparatus --- rigid bladder (NASA-CR-15167-1)

INFLATING

Development of a solid propellant inflation technique for the subcompact car passenger restraint system, phase 1

INFORMATION DESSERATION

Pilot preflight briefing utilizing an interactive computer generated Voice Response System

INFORMATION MANAGEMENT

Communications management by the remote system - An adaptive approach --- modeling of RPS autopilot/operator systems

INFORMATION RETRIEVAL

A preliminary investigation of aural input/output systems for in-flight information retrieval

INFORMATION SYSTEMS

Reframing of a computer simulation model for evaluating RAS display concepts --- Digital Avionics Information System

INFORMATION THEORY

Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

INFLATION

Dental auralization method and apparatus --- rigid bladder (NASA-CR-15167-1)
<table>
<thead>
<tr>
<th>INSENSITIVITY</th>
<th>SUBJECT INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radar observation of insects: Mosquitoes</td>
<td>p0148 N79-19600</td>
</tr>
<tr>
<td>INSENSITIVITY</td>
<td></td>
</tr>
<tr>
<td>SENSITIVITY</td>
<td></td>
</tr>
<tr>
<td>INSERTION</td>
<td></td>
</tr>
<tr>
<td>Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means</td>
<td>[NASA-CASE-NPO-13910-1] p0246 N79-27836</td>
</tr>
<tr>
<td>INSTRUCTIONS</td>
<td></td>
</tr>
<tr>
<td>S EDUCATION</td>
<td></td>
</tr>
<tr>
<td>INSTRUMENT APPROACH</td>
<td></td>
</tr>
<tr>
<td>The effects of prediction, quickening, frequency negation, and percent of pursuit in perspective displays for low-visibility landing</td>
<td>p0063 A79-18210</td>
</tr>
<tr>
<td>An investigation of pictorial and symbolic aircraft displays for landing</td>
<td>p0063 A79-18211</td>
</tr>
<tr>
<td>INSTRUMENT FLIGHT RULES</td>
<td></td>
</tr>
<tr>
<td>Transfer of a computer-assisted instrument procedures trainer to flight</td>
<td>p0039 A79-13216</td>
</tr>
<tr>
<td>An analysis of helicopter pilot control behavior and workload during instrument flying tasks</td>
<td>p0150 N79-19640</td>
</tr>
<tr>
<td>Visual performance/workload of helicopter pilots during instrument flight</td>
<td>p0152 N79-19640</td>
</tr>
<tr>
<td>Workload and the certification of helicopters for IFF operation</td>
<td>p0318 N79-33850</td>
</tr>
<tr>
<td>INSTRUMENTATION SYSTEMS</td>
<td></td>
</tr>
<tr>
<td>AIR ALL-WEATHER LANDING SYSTEMS</td>
<td></td>
</tr>
<tr>
<td>INSTRUMENTAL ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>S AUTOMATION</td>
<td></td>
</tr>
<tr>
<td>INSULATION</td>
<td></td>
</tr>
<tr>
<td>NT THERMAL INSULATION</td>
<td></td>
</tr>
<tr>
<td>INSULIN</td>
<td></td>
</tr>
<tr>
<td>Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of C/%o of glucose in diabetic rats</td>
<td>p0252 A79-44797</td>
</tr>
<tr>
<td>INTEGRAL TRANSFORMATIONS</td>
<td></td>
</tr>
<tr>
<td>NT FAST FOURIER TRANSFORMATIONS</td>
<td></td>
</tr>
<tr>
<td>INTEGRATED CIRCUITS</td>
<td></td>
</tr>
<tr>
<td>NT LARGE SCALE INTEGRATION</td>
<td></td>
</tr>
<tr>
<td>The use of hybrid integrated circuit techniques in biotelemetry applications</td>
<td>p0131 A79-26445</td>
</tr>
<tr>
<td>Very-large-scale integration — What it means for technical systems and humans</td>
<td>p0181 A79-32640</td>
</tr>
<tr>
<td>INTEGRATED OPTICS</td>
<td></td>
</tr>
<tr>
<td>The development of integrated multidimensional displays</td>
<td>p0187 A79-34990</td>
</tr>
<tr>
<td>INTEGRATION (REAL VARIABLES)</td>
<td></td>
</tr>
<tr>
<td>S MEASURE AND INTEGRATION</td>
<td></td>
</tr>
<tr>
<td>INTELLIGENCE</td>
<td></td>
</tr>
<tr>
<td>NT ARTIFICIAL INTELLIGENCE</td>
<td></td>
</tr>
<tr>
<td>NT EXTRAPERIPHERAL INTELLIGENCE</td>
<td></td>
</tr>
<tr>
<td>Intelligence</td>
<td>p0095 N79-15896</td>
</tr>
<tr>
<td>INTELLIGIBILITY</td>
<td></td>
</tr>
<tr>
<td>NT SPEECH RECOGNITION</td>
<td></td>
</tr>
<tr>
<td>INTEGRATIVE GRAPHICS</td>
<td></td>
</tr>
<tr>
<td>U COMPUTER GRAPHICS</td>
<td></td>
</tr>
<tr>
<td>INTRAQUANTUM AIRCRAFT</td>
<td></td>
</tr>
<tr>
<td>NT FIGHTER AIRCRAFT</td>
<td></td>
</tr>
<tr>
<td>INTERCOSMOS SATELLITES</td>
<td></td>
</tr>
<tr>
<td>Astronautics research within the framework of the scientific program 'Interkosmos'</td>
<td>p0181 A79-32658</td>
</tr>
<tr>
<td>INTERFACES</td>
<td></td>
</tr>
<tr>
<td>Modeling and analysis of man-machine interface information</td>
<td>[AD-A063515] p0178 N79-21772</td>
</tr>
<tr>
<td>INTERPROGRAMS</td>
<td></td>
</tr>
<tr>
<td>U INTERFACEMETRY</td>
<td></td>
</tr>
<tr>
<td>INTERFEROMETRY</td>
<td></td>
</tr>
<tr>
<td>The retinal resolving power measured by laser interference fringes</td>
<td>p0304 A79-54091</td>
</tr>
<tr>
<td>INTERMOLLEcular FORCES</td>
<td></td>
</tr>
<tr>
<td>An approach to the origin of self-replicating system</td>
<td>- Intermolecular interactions</td>
</tr>
</tbody>
</table>

**INTERNATIONAL COOPERATION**

- The joint US-DGRN biological satellite program
  - [NASA-TP-78-1750] p0061 A79-17123
- Communication problems of international crews
  - [JET PAPER 79-A-23] p0303 A79-54245
- ISS experiment flow on the Soviet satellite
  - COSMOS 936
  - [NASA-TM-78526] p0023 N79-11671
- The Cosmos 936 mission

**INTERNATIONAL RELATIONS**

- NT INTERNATIONAL COOPERATION
  - [NASA-TP-79-1750] p0318 N79-33850
- NT INTERNATIONAL SCIENCE
- NT INTERNATIONAL PROGRAMS
  - [AD-A063515] p0039 N79-11685
- NT INTERNATIONAL PROGRAMS
  - [NASA-TM-78526] p0023 N79-11671

**INTERNATIONAL SCIENCE**

- NT INTERNATIONAL PROGRAMS
  - [NASA-TP-79-1750] p0318 N79-33850
- NT INTERNATIONAL SCIENCE
- NT INTERNATIONAL SCIENCE

**INTERNATIONAL TECHNOLOGY**

- NT INTERNATIONAL TECHNOLOGY
  - [NASA-TP-79-1750] p0318 N79-33850
- NT INTERNATIONAL TECHNOLOGY
Subject Index

JET ENGINE FUELS

Prebiotic nucleotide oligomerization in a fluctuating environment - effects of kaolinite and camanide

KC-135 AIRCRAFT

Toxicity of high density jet fuel components

K EI LON

Range of joint motion

A quasi-linear control theory analysis of timesharing skills

The relationship between adult articular cartilage thickness and dynamic loads of a uniaxial joint

Space suit mobility knee joints

Pressure

KAOLINITE

Isometric strength testing in selecting workers for strenuous jobs

LABRINTH

Changes in optokinetic, postoptokinetic, and reverse postoptokinetic nystagmus after bilateral labyrinthectomy

LACTATES

Effects of glycerol depletion and work load on postexercise O2 consumption and blood lactate

LAG (DELAY)

Distribution of phytoplankton in North Carolina lakes

Light Airborne Multipurpose System

LAMPS PROGRAM

Lake Champlain Basin (NY-VT)

Determination of the secondary production and population dynamics of the zooplankton of the Lake Champlain ecosystem

LANDING

Microwave landing systems

LANDING AIDS

ALL-WEATHER LANDING SYSTEMS

LANDING INSTRUMENTS

THRUST SIMULATION

Flight management research utilizing an oculometer --- pilot scanning behavior during simulated

KUIPER AIRBORNE OBSERVATORY

C-141 AIRCRAFT

L BAND

ULTRASHORT FREQUENCIES

LABELING (MARKING)

MARKING

LABOR

Isometric strength testing in selecting workers for strenuous jobs

LABORATORIES

Human Factors Laboratories

Space Laboratories

Manned Orbital Laboratories

Some ergonomic aspects of adapting workrooms with visual display units to the human possibilities

LABORATORY EQUIPMENT

Biological specimen holding facilities for Spacelab experiments

Two primate biological facility module in Spacelab

Support system considerations for STS biological investigations

Some ergonomic aspects of adapting workrooms with visual display units to the human possibilities

LANDKINDS

Monte Carlo

Vestibules

Cases of probable Aero Otitis interna

Effect of restricted activity on vestibular function

LACRIMOSTRICTURE

Changes in optokinetic, postoptokinetic, and reverse postoptokinetic nystagmus after bilateral labyrinthectomy

LACTATES

Effects of glycerol depletion and work load on postexercise O2 consumption and blood lactate

LAND (LGA R)

TIME LAG

Lake Champlain Basin (NY-VT)

Determination of the secondary production and population dynamics of the zooplankton of the Lake Champlain ecosystem

LAKES

Distribution of phytoplankton in North Carolina lakes

Distribution of phytoplankton in Arkansas lakes

LEAP PROGRAM

Light Airborne Multipurpose System

LAND

Marshlands

LANDFORMS

Lake Champlain Basin (NY-VT)

Landing

Aircraft Landing

Crash Landing

Glide Landings

Landing Aids

All-weather landing systems

Approach Indicators

Instrument Landing Systems

Landing Instruments

MICROWAVE LANDING SYSTEMS

Landing Instruments

Approach Indicators

The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing

An investigation of pictorial and symbolic aircraft displays for landing

LANDING SIMULATION

Flight management research utilizing an oculometer --- pilot scanning behavior during simulated
LASER DAMAGE

LASER APPLICATIONS

LARYNX

LARGE SCALE INTEGRATION

LANGUAGES

LARGE SPACE STRUCTURES

LARYNX PROBLEMS IN SPACE TRAVEL


text from PDF
The European life sciences experiments onboard the first Spacelab mission


Life sciences experiments in the first Spacelab mission

[ASME PAPER 78-ENAS-26] p0008 A79-12575

Life sciences in the Shuttle era

[ASME PAPER 78-ENAS-34] p0008 A79-12562

Life sciences experiments mission development test program

[ASME PAPER 78-ENAS-36] p0008 A79-12563

The European life sciences experiments onboard the first Spacelab mission

p100 A79-22254

Low tryptophan diet decreases brain serotonin and alters response to apomorphine

p0226 A79-80672


p0229 A79-14701

The Canadian Forces Life Quality Improvement Programme

p0269 A79-11693

Evobiology and the origin of life --- organic compounds in planetary atmospheres and interstellar matter


Translations on USSR science and technology: Biomedical and behavioral sciences, no. 60

[JPES-73115] p0175 A79-21745

BIOSEP: Biological space experiment: a compendium of life sciences experiments carried on US spacecraft


LIFE SPAW

Chirality of compounds essential for the existence of life, and the possibility of its evolution in the universe

p0185 A79-34434

Analysis of population mortality kinetics with application to the longevity forecast of the Navy's 11,000 aviators

p023 A79-6307

Similarity in the number of lifespan heartbeats among non-hibernating homeothermic animals

p0298 A79-5281

Evaluation of cardiac risk and subject response to ameliorative efforts

p0031 A79-11723

LIFE SUPPORT SYSTEMS

NT CLOSED ECOLOGICAL SYSTEMS

NT EMERGENCY LIFE SUSTAINING SYSTEMS

NT PORTABLE LIFE SUPPORT SYSTEMS

Biological specimen holding facilities for Spacelab experiments

[TAP PAPER 78-59] p0003 A79-11224

Spacelab environmental control/life support system /ECLS/ for life science experiments


Microflora analysis of a child with severe combined immune deficiency

p004 A79-11900

The dependence of the CO2 removal efficiency of LIDOR on humidity and mesh size --- in spacecraft life support systems

[ASME PAPER 78-ENAS-5] p0006 A79-12554

Animal life support transporters for Shuttle/Spacelab

[ASME PAPER 78-ENAS-10] p0006 A79-12559

The Spacelab flight unit environmental control/life support system

[ASME PAPER 78-ENAS-14] p0007 A79-12563

ECSS definition for a low cost space construction base --- Environmental Control Life Support System


A thermoelastic integrated membrane evaporation system

[ASME PAPER 78-ENAS-19] p0007 A79-12568

Challenges to life support system's future

[ASME PAPER 78-ENAS-28] p0008 A79-12577

Extended duration orbiter life support system options

[ASME PAPER 78-ENAS-31] p0008 A79-12580

Support system considerations for STS biological investigations

p0033 A79-11739

Continued visual search for extraterrestrial life

p0242 A79-26786

LIFE (BIOLOGY)

A life cycle costing of simulated vs actual equipment for intermediate maintenance training --- for F-16 avionica

p0064 A79-16217

LEUOCYTES

Leucocyte arm-ceg reach and workspace layout

p033 A79-11739

LENSES

LENSES

NT CONTACT LENSES

A photometric and legibility assessment of Aerospace Optics, Incorporated Vivisun 20/20 display

[AD-A058683/41] p0003 A79-12559

LEPTONS

LEPTON THEORY

A study of the effects of six light conditions on caloric induced nystagmus

p0195 A79-23652

LEGAL LIABILITY

The use of aviation pathology and aviation medicine as proof of liability and damage

p100 A79-22204

LEGAL LIABILITY

NT LEGAL LIABILITY

NT INTERMOLECULAR FORCES

NT LEG (ANATOMY)

NT LEG (DURABILITY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

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NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)

NT LEG (ANATOMY)

NT LEG (BIOLOGY)
The influence of rapid prism adaptation upon fixation disparity

Light adaptation in a normal and a rod monochromat - Psychophysical and VEP increment threshold comparisons

Effect of adaptation level on certain visual functions in man

Restoration of color perception after dark-adapting flashes

Influence of light adaptation on dark adaptation time for pattern recognition tasks

LIGHT AIRBORNE MULTIPURPOSE SYSTEM
Human factor engineering test and evaluation of the US Navy LAMPS helicopter system

LIGHT BEAMS
Moving phase transitions in laser-irradiated biological tissue

Mechanisms of retinal damage from chronic laser radiation: Thresholds and mechanisms

LIGHT DURATION
U PULSE DURATION

LIGHT EMISSION
FT CHEMILUMINESCENCE
FT FLUORESCENCE

LIGHT EMITTING DIODES
Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix

No harmful effects through infrared light emitting diodes

LIGHT INTENSITY
NU LUMINOUS INTENSITY

LIGHT MODULATION
Contributions of the retina and of the eye optical system to the modulation of the aerial image

LIGHT PROBES
U LIGHT BEAMS

LIGHT SCATTERING
Accuracy of BGD approximation for computing light scattering properties of diffusing and soluble bacteria - Bayleigh-Dan-Dobey

LIGHT TRANSMISSION
U LIGHT SCATTERING
Measurements in the laser irradiated eye

LIGHTING
U ILLUMINATING
LIGHTING EQUIPMENT
Light and color on a manned spacecraft

A decision model of alcohol effects on driver signal light behavior

LIMITATIONS
U ARM (ANATOMY)
U EYES (ANATOMY)
U LEG (ANATOMY)

LIMITATIONS
-origin of neuron responses of the superior colliculus to light flashes
-Thermally induced retina injury due to high doses of optical radiation
-The physiological significance of light for human beings

A study of the effects of six light conditions on caloric induced nystagmus

Electrophysiological and VEP increment threshold comparisons

Effect of adaptation level on certain visual functions in man

Restoration of color perception after dark-adapting flashes

Influence of light adaptation on dark adaptation time for pattern recognition tasks

Development of integrated tubing fabric for liquid conditioning garments

A Canadian approach to high altitude protection - tighter fit garment and high pressure masks

Developing closed life support systems for large space habitats

USA life support system: 412A - 1978 corporate report

Test and evaluation process for life support systems - in space colonies

Generalized environmental control and life support system computer program (G1894), phase 3

Water system microbial check valve development

Prospects of using Japanese quail in biological life support systems

Advanced life support equipment for nitrogen tetroxide environments

Utilization of the wastes of vital activity

Microflora of water reclaims in sealed compartments

Concept definition for an extended duration orbiting ECLS

Characteristics of proteins of some unicellular organisms as potential components of ecological life support systems

Electrochemically regenerative carbon dioxide absorber

LIGAMENTS
Knee flirt design limits: Background, experimentation and design criteria

LIGHT (VISIBLE RADIATION)

MT LIGHT BEAMS
MT SUNLIGHT

Origin of neuron responses of the superior colliculus to light flashes

Thermally induced retina injury due to high doses of optical radiation

The physiological significance of light for human beings

A study of the effects of six light conditions on caloric induced nystagmus

LIGHT ABSORPTION

U ELECTROMAGNETIC ABSORPTION

LIGHT ADAPTATION

Primate cone sensitivity to flicker during light and dark adaptation as indicated by the foveal local electrotoretinogram

USA? life support equipment costs

Medical characteristics of the Spacelab life support system

Tests and evaluation of space station ECLSS maintenance concepts - Environmental Control and Life Support System

Thermally induced retina injury due to high doses of optical radiation

Origin of neuron responses of the superior colliculus to light flashes

An extended duration orbiting life support definition

Life support systems for biological specimens in space habitats

Waste treatment options for use in closed systems

Advanced life support equipment for nitrogen tetroxide environments

Utilization of the wastes of vital activity

Microflora of water reclaims in sealed compartments

Concept definition for an extended duration orbiting ECLS

Electrochemically regenerative carbon dioxide absorber

LIGAMENTS
Knee flirt design limits: Background, experimentation and design criteria

LIGHT (VISIBLE RADIATION)

MT LIGHT BEAMS
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Origin of neuron responses of the superior colliculus to light flashes

Thermally induced retina injury due to high doses of optical radiation

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A study of the effects of six light conditions on caloric induced nystagmus
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCOMOTION</td>
</tr>
<tr>
<td>NT ASTRONAUT LOCOMOTION</td>
</tr>
<tr>
<td>NT WALKING</td>
</tr>
<tr>
<td>Adaptive locomotion of a multilegged robot over rough terrain p0163 A79-30217</td>
</tr>
<tr>
<td>Process of search control of coordinated movement in man p0166 A79-30701</td>
</tr>
<tr>
<td>Selecting the program of motions for a biped walking machine p0166 A79-31940</td>
</tr>
<tr>
<td>LOGIC DESIGN</td>
</tr>
<tr>
<td>Control logic design criteria for multifunction switching devices --- in aircraft p0064 A79-18223</td>
</tr>
<tr>
<td>LONG DURATION EXPOSURE FACILITY</td>
</tr>
<tr>
<td>The Biostack experiment in the U.S. long exposure duration test program p0227 A79-41230</td>
</tr>
<tr>
<td>LONG TERM EFFECTS</td>
</tr>
<tr>
<td>Medical control in prolonged space flights (TAP PAPER 78-63) p0053 A79-11226</td>
</tr>
<tr>
<td>Challenges to life support system’s future [ARMS PAPER 78-ENAS-28] p0008 A79-12577</td>
</tr>
<tr>
<td>Recycling solution to the problem of culturing Arabidopsis plants in sealed coolers for spaceflights of long duration p0229 A79-41704</td>
</tr>
<tr>
<td>Changes in blood sugar content of dogs exposed to chronic gamma radiation for six years p0019 A79-10706</td>
</tr>
<tr>
<td>Effects of long-term and chronic radiation on hemoepoiesis p0016 A79-10719</td>
</tr>
<tr>
<td>Dynamic medical monitoring of flight crews in the course of long-term flights p0072 A79-14719</td>
</tr>
<tr>
<td>State of blood clotting during prolonged hypokinesis p0073 A79-14729</td>
</tr>
<tr>
<td>Space biology and aerospace medicine, volume 13, No. 1, 1979 [JPBS-72928] p0107 A79-15514</td>
</tr>
<tr>
<td>Morphological study of adrenals of rats irradiated during flight aboard Cosmos-699 satellite p0108 A79-16517</td>
</tr>
<tr>
<td>The facilitating effects of uncertainty in long-term manual control p0115 A79-17485</td>
</tr>
<tr>
<td>Problems of human adaption to spaceflight p0107 A79-19985</td>
</tr>
<tr>
<td>Distinctions referable to excretion of end products of protein metabolism in urine of man submitted to 182-day antiorthostatic hypokinesis p0193 A79-23635</td>
</tr>
<tr>
<td>Effect of combination of hypoxia and hypercapnia on survival of Japanese quail p0194 A79-23641</td>
</tr>
<tr>
<td>Effects of different values of urine pH during long-term storage on microflora composition p0198 A79-23643</td>
</tr>
<tr>
<td>Morphological distinctions of the rat thyroid and parathyroid following long-term space flights p0246 A79-27835</td>
</tr>
<tr>
<td>LOOP ANTENNAS</td>
</tr>
<tr>
<td>Electromagnetic power absorption in cylindrical tissue models excited by a loop antenna p0136 A79-27959</td>
</tr>
<tr>
<td>LOWNESS</td>
</tr>
<tr>
<td>Overall loudness of steady sounds according to theory and experiment [NASA-10011] p0246 A79-27837</td>
</tr>
<tr>
<td>The loudness of tinnitus p0246 A79-27837</td>
</tr>
<tr>
<td>LOW ALTITUDE</td>
</tr>
<tr>
<td>The effects of ambient illumination, aircraft velocity and feedback on absolute distance judgments during simulated night flight of-the-earth flight p0038 A79-13204</td>
</tr>
<tr>
<td>Responses of high altitude natives to a standard cold test at sea level p0164 A79-30658</td>
</tr>
<tr>
<td>The effect of Nap-of-the-Earth (NOE) helicopter flying on pilot blood and urine biochemicals [AD-A055204] p0055 A79-13693</td>
</tr>
<tr>
<td>LOW FREQUENCIES</td>
</tr>
<tr>
<td>The influence of low frequency vibration on pilot performance as measured in a fixed base simulator/ p0299 A79-52326</td>
</tr>
<tr>
<td>Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling) p0296 A79-31915</td>
</tr>
<tr>
<td>LOW GRAVITY</td>
</tr>
<tr>
<td>U REDUCED GRAVITY</td>
</tr>
<tr>
<td>LOW PRESSURE</td>
</tr>
<tr>
<td>Combined effect of hyperoxia, low pressure and exercise on the rate of methylxone excretion from the human body p0073 A79-14725</td>
</tr>
<tr>
<td>LOW TEMPERATURE</td>
</tr>
<tr>
<td>Effects of low temperature on in vivo and in vitro protein synthesis in Escherichia coli and Pseudomonas fluorescens p0131 A79-26141</td>
</tr>
<tr>
<td>LOW TEMPERATURE ENVIRONMENTS</td>
</tr>
<tr>
<td>The effects of temperature, salinity, and other factors on the growth and formation of UV-absorbing substances by the fungus Aspergillus p0005 A79-12512</td>
</tr>
<tr>
<td>Skin temperature changes in paradoxical sleep in man in the cold p0201 A79-37706</td>
</tr>
<tr>
<td>LOW VISIBILITY</td>
</tr>
<tr>
<td>The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing p0063 A79-18210</td>
</tr>
<tr>
<td>LOWER ATMOSPHERE</td>
</tr>
<tr>
<td>NT ROFOSPHORE</td>
</tr>
<tr>
<td>LOWER BODY NEGATIVE PRESSURE (LBNP)</td>
</tr>
<tr>
<td>U ACCELERATION STRESSES (PHYSIOLOGY)</td>
</tr>
<tr>
<td>LSI</td>
</tr>
<tr>
<td>U LARGE SCALE INTEGRATION</td>
</tr>
<tr>
<td>LUNAR REGION</td>
</tr>
<tr>
<td>The effect of thermal stimulation of the skin on activity of lateral crosseater interneurons of lumbar segments p0208 A79-39847</td>
</tr>
<tr>
<td>LUMBERING AREAS</td>
</tr>
<tr>
<td>U FORESTS</td>
</tr>
<tr>
<td>LUMINANCE</td>
</tr>
<tr>
<td>The tilt illusion - length and luminance changes of induction line and third /disinhibiting/ line p0228 A79-41422</td>
</tr>
<tr>
<td>On the latency of human visually evoked response to sinusoidal gratings p0232 A79-42236</td>
</tr>
<tr>
<td>Enhancement of luminance flicker by color-opponent mechanisms p0252 A79-44582</td>
</tr>
<tr>
<td>Spatial summation in human vision - Simple reaction time measurements p0265 A79-47115</td>
</tr>
<tr>
<td>Upper-velocity threshold for detection of movement p0299 A79-52541</td>
</tr>
<tr>
<td>Contrast sensitivity of the human visual system at one luminance level while adapted to a stimulus at another luminance level [AD-A066370] p0190 A79-22259</td>
</tr>
<tr>
<td>LUMINESCENCE</td>
</tr>
<tr>
<td>U CHROMOLUMINESCENCE</td>
</tr>
<tr>
<td>NT FLOURESCENCE</td>
</tr>
<tr>
<td>NT LUMINESCENT INTENSITY</td>
</tr>
<tr>
<td>U LUMINOUS INTENSITY</td>
</tr>
<tr>
<td>U LUMINOUS PLUX DENSITY</td>
</tr>
<tr>
<td>U LUMINOUS INTENSITY</td>
</tr>
<tr>
<td>NT LUMINANCE</td>
</tr>
<tr>
<td>Human factors design criteria for transluminated displays p0036 A79-13187</td>
</tr>
<tr>
<td>LUNAR SCATTERING</td>
</tr>
<tr>
<td>U DIFFUSE RADIATION</td>
</tr>
<tr>
<td>LUNAR SOIL</td>
</tr>
<tr>
<td>The origin of life on earth - Recent studies p0134 A79-27335</td>
</tr>
<tr>
<td>LUNAR SOIL MORPHOLOGY</td>
</tr>
<tr>
<td>Growth of pulmonary circulation in normal pig - Structural analysis and cardiopulmonary function p0067 A79-18961</td>
</tr>
<tr>
<td>Changes in lung volume, lung density, and distribution of ventilation during hypobaric decompression p0185 A79-33806</td>
</tr>
</tbody>
</table>
Overall loudness of steady sounds according to theory and experiment (NASA-RP-1001) N79-25753

Some of the problems involved in planning biological experiments p0312 N79-33805

MATHEMATICAL MODELS

- MATHEMATICAL MODELS
  - MATHEMATICAL ANALOG SIMULATION
    - Various modeling approaches in biomechanics --- analog simulation of impact events p0005 N79-12407
  - Models for automated motor skills training --- computer controlled adaptive instruction p0335 N79-13182
  - A prediction model of arm push strength in the transverse plane p0037 N79-13195
  - Simulation and control of a human temperature regulation system p0041 N79-13613
  - The multiloop concept of the pilot work load as a basis of future experiments and studies (ORNL, TP NO. 1976-10) p0085 N79-14795
  - Biped stability considerations with vestibular models p0056 N79-18287
  - Modeling the effect of axial bronchial tension on expiratory flow p0067 N79-18957
  - Mathematical modeling/ p0097 N79-20622
  - Modeling heat transfer through human skin subjected to high external temperatures p0102 N79-22782
  - Linearization and sensitivity analysis of model for human eye movements p0102 N79-22783
  - A theoretical model to estimate some ergonomic parameters from age, height and weight p0112 N79-25150
  - Mechanics of the regulation of the respiratory system in man p0160 N79-29258
  - Deductive derivation of a mathematical model for spectral sensitivity of the human organ of sight. I, II p0166 N79-31178
  - Evaluation of models describing human operator control of slowly responding complex systems --- thesis p0167 N79-31494
  - A simple analytical model for the selection of optical activity and of the most efficient catalysts in the course of molecular evolution p0206 N79-37957
  - The eccentric spheres model as the basis for a study of the role of geometry and inhomogeneities in cardiological analysis p0226 N79-40649
  - Analysis of population mortality kinetics with application to the longevity followup of the Mary's '1,000 aviators' p0234 N79-43207
  - A structural model of the adaptive human pilot (AAAI 79-1784) p0252 N79-45411
  - Mathematical model of the respiratory rhythm generation process p0256 N79-46268
  - Modelling human tracking performance in a high G-stress environment p0269 N79-48012
  - Fundamentals of electrical processes in the electrophysiology of the heart p0308 N79-53532
  - Basic biomechanics equations for cardiovascular flow p0304 N79-53534
  - A behavioral model of target acquisition in realistic terrain (AD-A057963) p0309 N79-10742
  - Sensitivity dependence of maximum expiratory flow p0505 N79-12691
  - Aerodynamic forces exerted on an articulated human body subjected to windblast (AD-A059023) p0505 N79-13688
  - Some recent results on the deposition of electromagnetic energy in animals and models of man p0555 N79-13688

A-124
cardiovascular control system models
User's instructions for the whole-body algorithms
The application of system analysis and mathematical models to the study of
erythropoiesis during space flight
Tolerance of the neck to indirect impact
[AD-A066971] N79-25749
A comparison of three models for determining test fairness
[AD-A066586] N79-25751
The application of NHQASI to thermal program boundary and initial value problems
Mathematical models of skin burn induced by simulated postcrash fires an aids in thermal protective clothing design and selection
Refinement and validation of a mathematical model of the human torso
A stochastic model of muscle fatigue in frequent strenuous work cycles
Simulating and head neck response to -g sub x and +g sub z impacts
A three dimensional discrete element dynamic model of the spine, head and torso
Mathematical modeling of arterial oxygen saturation and eye-level blood pressure during +g sub x stress
A head injury model
The use of mathematical modeling in crashworthy helicopter seating systems
Estimation of rate constants in the Michaelis-Menten model
[AD-A070360] p0307 N79-32824
A theoretical and experimental analysis of the outside world perception process
[AVL-MP-78020-0] p0305 N79-32835
Analytical modeling of load-deflection behavior of intervertebral discs subjected to axial compression
[AD-A071019] p0316 N79-33830
A general model for the transfer of vapour through clothed skin from liquid on and in clothing
[AD-107571] p0319 N79-33853
MATHEMATICAL PROGRAMMING
ST DYNAMIC PROGRAMMING
Evaluation of exercise-respiratory system modifications and integration schemes for physiologic systems
STATICS (MATHEMATICS)
Observability of electrical heart activity studied with singular value decomposition
[TH-78-E-81] p0184 N79-15854
MATRIX ANALYSIS
G MATRICES (MATHEMATICS)
SATUREING
G GROWTH
MAXIMUM LIKELIHOOD ESTIMATES
Estimation of the operating characteristics of item response categories, 3: The normal approach method and the Pearson system
[AD-A056747] p0185 N79-15857
MCDONNELL AIRCRAFT
# T-9 AIRCRAFT
MCDONNELL DOUGLAS AIRCRAFT
# T-4 AIRCRAFT
# T-6 AIRCRAFT
ST WEIGHTING FUNCTIONS
Nonparametric measures of sensory efficiency for sustained monitoring tasks
Physiological system integrations with emphasis on the respiratory-cardiovascular system
MEASURE THEORY
G MEASURES AND INTEGRATION
MEASURING INSTRUMENTS
G APPROXIMATE INDICATORS
G COUNTERS
G COUNTERS
G PHOTOMETERS
G FLIP DETECTORS
G FLOWMETERS
G HOT-FILM ANEMOMETERS
G INDICATING INSTRUMENTS
G INFRARED INSTRUMENTS
G LASER DOPPLER VELOCIMETERS
G MANOMETERS
G MICROVANE PROBES
G NULMETERS
G OPTICAL MEASURING INSTRUMENTS
G PHOTOTRIPERS
G SFHOTRONOMETERS
G ATMELLIITE-BONE INSTRUMENTS
G STRAIN GAGES
G TEMPERATURE MEASURING INSTRUMENTS
Devices for synchronizing a digital measuring apparatus with biological signals
Review of chest deflection measurement techniques and transducers
Lightweight helmet-mounted eye movement measurement system
Techniques of measurement
MECHANICAL DEVICES
Development of an electrical energy converter for driving left heart assist blood pumps
MECHANICAL DRIVES
Visually estimating workpiece pose in a robot hand using the feature points method
MECHANICAL MEASUREMENT
G FLOW MEASUREMENT
G PRESSURE MEASUREMENTS
G VELOCITY MEASUREMENT
G VIBRATION MEASUREMENT
A quasi-linear control theory analysis of timesharing skills
MECHANICAL PROPERTIES
G ELASTIC PROPERTIES
G MODULUS OF ELASTICITY
G SHRINK STRENGTH
G THERMAL RESISTANCE
The mechanical properties of manipulation systems
Investigation on the effect of mechanical properties of control elements on human control performance under stochastic roll vibrations
Mechanics of blood flow through normal and stenotic coronary arteries
MECHANICAL SHOCK
Correlation of head injury with mechanical forces based on helmat damage duplication
The use of spinal analogue to compare human tolerance of repeated shocks with tolerance of vibration, part 1
The response of a realistic computer model for sitting humans to different types of shocks
MECHANICAL ELECTRONICS
The use of synchronous demodulation for the measurement of eye movements by means of an ocular magnetic search coil
Microwave apexcardiography
Skin-resistance measuring device with higher resolution
The development of a digital video subtraction system for intravenous angiography
Hybridization of biomedical circuitry
MEDICAL ELECTRONICS
MOTION AFTEREFFECTS

Helmet weight simulator
[ NASA-CASE-LAR-12300-1 ]
p0223 A79-25761

MOTION PERCEPTION

Factors controlling the competing sensations produced by a bistable stroboscopic motion display
[ AD-6043244 ]
p0190 A79-22763

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

MOTION EQUATIONS

EQUATIONS OF MOTION

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Motion aftereffects
SUBJECT INDEX

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761

Helmet weight simulator
[HASR-CASE-12300-1]
p0223 A79-25761
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>MUSCULOSKELETAL SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSCLE FUNCTION</td>
<td>Mechanical efficiency of fast- and slow-twitch muscle fibers in man during cycling</td>
</tr>
<tr>
<td>MUSCULAR FUNCTION</td>
<td>Recovery of skeletal muscle after 3 no of hindlimb immobilization in rats</td>
</tr>
<tr>
<td>MUSCULAR FATIGUE</td>
<td>Mechanism for the regulation of human posture during movements of the foot</td>
</tr>
<tr>
<td>MUSCLES</td>
<td>Characteristics of somatic and autonomic regulation during work of small muscle groups as a function of loading regime</td>
</tr>
<tr>
<td>NT RADAR</td>
<td>Effect of hypoxia on mechanical properties of hypertrophy cat papillary muscle</td>
</tr>
<tr>
<td>NT MOVING TARGET INDICATORS</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>MULTISPECTRAL PHOTOGRAPHY</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>MULTIVARIATE STATISTICAL ANALYSIS</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT DISCRETE FUNCTIONS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT REGRESSIVE ANALYSIS</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT METABOLISM</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT ANATOMY</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT VERTEBRAE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT TIBIA</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT VERTEBRAL COLUMN</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT KNEE (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR STRENGTH</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR Tonus</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR STRENGTH</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR Tonus</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR Tonus</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
<tr>
<td>NT FEMUR</td>
<td>Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life</td>
</tr>
<tr>
<td>NT CARTILAGE</td>
<td>Carbohydrate metabolism of the stimulated diaphragm muscle</td>
</tr>
<tr>
<td>NT COLLAGENS</td>
<td>Nonsivering thermogenesis in normal and dystrophic muscle</td>
</tr>
<tr>
<td>NT JOINTS (ANATOMY)</td>
<td>Changes in properties of rat femur as a result of hindlimb immobilization in rats flown aboard the biosatellite Cosmos 782 /Nicrocinematographic studied/ normoxia and arterial hypoxemia</td>
</tr>
<tr>
<td>NT MUSCULAR Tonus</td>
<td>The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia</td>
</tr>
</tbody>
</table>
Changes in amount and composition of phospholipids in rat skeletal muscle microsomal fraction under the influence of a flight aboard the Cosmos-690 biosatellite p0108 N79-16519

Effects of hypodynamic simulations on the skeletal muscle system of monkeys p0146 N79-19021


The combined effect of space flight factors and radiation on rat skeletal muscles p0244 N79-27821

Tissular metabolism in mixed type fibers of rat skeletal muscles after flight aboard Cosmos-690 biosatellite p0244 N79-27823

The validation of biodynamic models p0266 N79-31914

MUTATIONS

Possible contribution of transferable exogenous DNA in prokaryotic evolution p0205 N79-37971

The point mutation process in proteins p0205 N79-37972

Genetic effects of cosmic radiation on bacteriophage T4Br-/+ On materials of the biological experiment Soyuz-Apollo/ p0229 N79-41708

On investigating the statistical properties of the popular path algorithms by computer simulation - Counterconclusions to those of Tateno and Wei --- for mutational change in protein evolution p0253 N79-45640

Effect of accelerations combined with radiation on occurrence of gene mutations in the drosophila p0016 N79-10720

Mitogenic components of alternate energy sources p0280 N79-30923

MYOCARDIAL INFARCTION

ST isopotential precordial surface maps in patients with acute myocardial infarction p0098 N79-21265

Electrocardiographic abnormalities in Air Force personnel p0182 N79-33191

Myocardial infarction in young men p0188 N79-35137

A catheter flow probe for measurement of left ventricular source parameters p0278 N79-50108

Computerized positron emission tomography /PET/ for the assessment of myocardial integrity p0293 N79-51031

The effect of moderate hypothermia on the circulatory and myocardial consequences of acute coronary ligation in dogs p0089 N79-12683

MYOCARDIUM

Single frequency RF powered ECG telemetry system p0131 N79-26074

Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylylcase and phosphodiesterase systems in the myocardium p0255 N79-46500

Effect of hypoxia on mechanical properties of hyperthyroid cat papillary muscle p0296 N79-51111

Respiral relation between onset of cell anoxia and ischemic contractile failure p0300 N79-52895

Protein fractions and enzymatic activity thereof in the rat myocardium after the flight on Kosmos-690 biosatellite p0014 N79-10700

Blood clotting factors of the vascular wall and myocardium of hypokinetic rabbits p0014 N79-10700

A correlation of the effects of cationic uncouplers on intact cardiac muscle and on calcium bound to isolated cardiac muscle plasma membranes p0108 N79-16523

A study of some of the factors influencing the left ventricular diastolic pressure-volume relationship and myocardial metabolism p0111 N79-16540

Tissular blood clotting factors of vascular walls and myocardium during hypokinesis p0194 N79-23644

Oxygen delivery in the hypoxic perfused heart: Relation to functional and metabolic changes p0307 N79-32825

NATURAL LANGUAGE (COMPUTERS)

Attempt to describe a class of man-machine dialogue systems based on a natural language p0251 N79-44057

NAVIGATION

NAVIGATION

NT AREA NAVIGATION

NT DIGITAL NAVIGATION

Geographical disorientation and flight safety p0291 N79-31951

NAVIGATION AIDS

NT LIGHT AIRBORNE MULTIPURPOSE SYSTEM

ENR procedural turn anticipation techniques experiment no. 2, GAT-2A. Phase 3: 2 and 4 nm offset tracking procedures (AD-A066001) p0085 N79-15583

NAVIGATORS

Visual workload of the copilot/navigator during terrain flight p0038 N79-13206

Effects on A-6E bombardier/navigator flight training with the introduction of device 2P114, A-6E weapon system trainer (AD-A068007) p0299 N79-37933

NAVY

Naval aviation training - Perspective and prospects (SARE PAPER 781004) p0130 N79-25886

NAVISAT FINITE ELEMENTS

NT COASTAL WATER

NECK (ANATOMY)

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 +Gz in M. striata p0234 N79-43205


Multibody dynamics including translation between the bodies, with application to head-neck systems (AD-A062114) p0174 N79-20747

A discrete parameter model of the head and neck with neurovascular feedback p0211 N79-24627

Multiaxis dynamic response of the human head and neck to impact acceleration p0284 N79-31906

NEGATIVE FEEDBACK

NT SENSORY FEEDBACK

SUBJECT INDEX

A-134
Effects of oxides on nitrogen, Carbon monoxide and photochemical oxidants on the ECG during exercise and on cardiopulmonary function

Nitrogen Tetroxide
Advanced life support equipment for nitrogen tetroxide environments

Mobile Gases

Noise (Sound)

Noite (Sound)

Noise Generators

Monitoring the state of the human airways by analysis of respiratory sound

Noise Hazards

Noise (Sound)

Noise Injuries

Effects of acute noise traumata on whole-nerve and single-unit activity

Noise Intensity

The effective acoustic environment of helicopter crewmen

Noise Measurement

Responses of teachers to aircraft noise

Temporary threshold shift from transportation noise

The loudness of tinnitus

Noise Pollution

Conjoint effect of physical stress and noise stress on information processing and cardiac response

Temporarily threshold shift from transportation noise

The influence of intermittent aircraft noise on sleep

A real-world assessment of noise exposure

Tentative evaluation of annoyance caused by noise from guaifine

Noise Reduction

In-flight measures of stress reduction due to wearing expandable foam earplugs

A trade-off analysis design tool: Aircraft interior noise-motion/passenger satisfaction model

Noise Suppression

Noise Tolerance

Stable reactions to simulated sonic booms - Influence of habituation, bone level and background noise

Aircraft noise and its effect on man: Methods and results of research, consequences for environmental protection --- German book

Sources of noise stress on flying personnel

Effects of vibration and noise on some indices of efficiency of NI-4 helicopter crews
A sole for predicting human discomfort response to combined noise and vertical vibration p0015 N79-10711
Human discomfort response to noise combined with vertical vibration NT p0156 N79-19685
Stress and fatigue in the driving environment --- physiological and psychological effects of heat and noise experienced inside automobiles NT p0211 N79-24629
NONADIABATIC PROCESSES NT HEAT TRANSFER
NONDESTRUCTIVE TESTS NT Noninvasive techniques in the evaluation of the peripheral circulation NT p0154 N79-19675
NONFLAMMABLE MATERIALS NT Aluminized firemen’s (fire proximity) handwear: Redesign of experiential prototype [AD-A069895] NT p0290 N79-31940
NONLINEAR FILTERS NT Investigation of nonlinear motion simulator washout schemes p0091 N79-15624
Study of the use of a nonlinear, rate limited, filter on pilot control signals NT p0119 N79-17515
NONLINEAR OPTICS NT Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range p0108 A79-35363
Nonlinear perception of infrared radiation in the 800-1355 mm range with human eye NT p0301 A79-53163
NONPARAMETRIC STATISTICS NT Estimating percentiles of nonnormal anthropometric populations - Final report p0065 A79-18226
Nonparametric measures of sensory efficiency for sustained monitoring tasks NT p0161 A79-29719
NORDERMANLINE NT Worpinephrine action on smooth muscle cells of coroary arteries p0208 A79-38149
OREFINOPHRENINE NT Worpinephrine uptake by the isolated heart of rats adapted and deadapted to hypoxia p0097 A79-20621
Synaptosomal uptake of hypothalamic monoamines and recovery of pituitary-adrenal activity following medial forebrain bundle lesions in rats p0275 A79-50232
NORMAL DENSITY FUNCTIONS NT Estimation of the operating characteristics of item response categories, 3: The normal approach method and the Pearson system [AD-A056747] NT p0145 A79-18587
NORMAL DISTRIBUTIONS NT NORMAL DENSITY FUNCTIONS
NORTH CAROLINA NT Bacteria in a North Carolina salt marsh. Standing crop and importance in the decomposition of Spartina alterniflora [PB-28881/2] NT p0153 A79-19668
NORTHERN HEMISPHERE NT ARCTIC REGIONS
NORTHROP AIRCRAFT NT NT NT
NOXIOUS MATERIALS NT CONTAMINANTS
NUCLEAR ELECTRIC POWER GENERATION NT NUCLEAR POWER PLANTS
NUCLEAR ENERGY NT Effects on populations of exposure to low levels of ionizing radiation; implications for nuclear energy and medical radiation [LBL-9086] NT p0316 A79-33833
NUCLEAR PARTICLES NT NUCLEI
NUCLEAR POWER PLANTS NT NUCLEAR PARTICLES
NUCLEAR RADIATION NT NUCLEI
NUCLEAR SHIELDING NT RADIATION SHIELDING
NUCLEI NT Effects of gravity on contractile proteins [NASA-CR-160303] NT p0279 A79-30913
NUCLEAR ACIDS NT DEOXYRIBONUCLEIC ACID NT RIBONUCLEIC ACIDS
Influence of high-altitude conditions on the metabolism of nucleic acids and proteins in the thyrocytes of the rat NT p0069 A79-19825
Interaction between inositol hexaphosphate and carboxenzyoxy peptide - A model for nucleic acid - Nonhistone chromosomal protein interaction NT p0100 A79-22082
An approach to the origin of self-replicating system. I - Intermolecular interactions NT p0204 A79-37948
NUCLIOGENESIS NT The study of the origin of life - Results and prospects NT p0206 A79-37981
The origin of the protein synthesis mechanism NT p0207 A79-37986
Evolution in open systems - Acquisition and conservation of information in bioids NT p0207 A79-37967
NUCLEOSIDES NT ADENOSINES NT POLYNUCLEOTIDES
The augmentation algorithm and molecular phylogenetic trees NT p0370 A79-20267
Speculations of the evolution of the genetic code, II NT p0099 A79-22080
Cyclic nucleotides and adaptation of the organism --- Russian Book NT p0133 A79-26500
Prebiotic nucleotide oligomerization in a fluctuating environment - Effects of kaolinite and cyranamide NT p0162 A79-29938
Nucleotide-binding site data and the origin of the genetic code NT p0206 A79-37974
Are evolutionary rates really variable --- in vertebrate protein chemistry NT p0323 A79-42273
Goodman et al.'s method for augmenting the number of nucleotide substitutions NT p0253 A79-45639
Augmentation algorithms - A reply to Holquist --- for nucleotide substitutions NT p0253 A79-45644
NUCLEIDES NT AMERICIUM 241 NT
NUCLEAR RADIATION NT NT
NUMERICAL CONTROL NT ADVANCED TELEOPERATORS --- REMOTE MANIPULATION SYSTEM
Advanced teleoperators --- remote manipulation system NT p0187 A79-29482
Robotic vision --- process control applications NT p0187 A79-29484
Pilot decision making in a computer-aided flight management situation NT p0093 A79-15633
NUTRIENTS NT Algal growth under multiple nutrient limiting conditions NT p0013 A79-10692

A-137
NUTRITION
Mechanisms of deterioration of nutrients --- improved quality of freeze-dried foods
(WASA-CR-160128) 

Effects of dietary composition on nutritional state in rats during exposure to high altitude
A technology assessment of vegetable substitutes for animal protein in human food. Volume 1:
The study
(PB-284681/9)
A technology assessment of vegetable substitutes for animal protein in human food. Volume 2:
Appendices
(PB-284682/2)
Orthomolecular enhancement of human development

NUTRITIONAL REQUIREMENTS
NT CALORIC REQUIREMENTS
Exercise performance and hemodynamics during dietary potassium depletion in dogs

NYSTAGMUS
NT VESTIBULAR NYSTAGMUS
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples
Changes in optokinetic, postoptokinetic, and reverse postoptokinetic nystagmus after bilateral labyrinthectomy
Pursuit after-nystagmus
A study of the effects of six light conditions on caloric induced nystagmus

OBESITY
Obesity and flying fitness

OBSERVATION
NT VISUAL OBSERVATION
Ocean surface
The application of remote sensors to a model for fish mapping
(MAR-1379-PB-176)
Minimum sea surface temperatures and associated survival times
(AD-A070162)

OCEANS
Human/computer control of underwater teleoperators

OCULOGRAVIC ILLUSIONS
Oculogravic illusion in response to straight-ahead acceleration of a CF-104 aircraft

OCULOMETERS
Flight management research utilizing an oculometer --- pilot scanning behavior during simulated approach and landing

OCULOMOTOR MOVES
Perceptual localization, feature identification and oculomotor factors in scanning a visual display
Oculomotor factors in visual perceptual response efficiency
The effect of expectations on slow oculomotor control. I - Periodic target steps. II - Single target displacements
Quality of retinal image stabilization during small natural and artificial body rotations in man
Texture contours can facilitate stereopsis by initiating vergence eye movements
Forms of oculomotor activity under conditions of positive visual feedback

ON-LINE PROGRAMMING
Biomedical data validation through an on-line computer system
(PB-28529/9)

ONBOARD COMPUTERS
NT AIRBORNE/SPACEBORNE COMPUTERS
NT AIRBORNE EQUIPMENT
NT AIRBORNE/SPACEBORNE COMPUTERS
NT AIRCRAFT EQUIPMENT
NT LIGHT AIRBORNE MULTIPURPOSE SYSTEM
Development of aerospace-aviation equipment described
Multi-axis hand controller for the shuttle remote manipulator system
US Navy development of an On-Board Oxygen Generation (OBOG) system

OPENINGS
NT APERTURES

OPERATIONAL HAZARDS
Health maintenance and health surveillance considerations for an SPS space construction base community

OPERATIONS RESEARCH
NT MATHEMATICAL PROGRAMMING
Operational helicopter aviation medicine (AGARD-CP-255)
A methodology for conducting human factors evaluations of vehicles in operational field tests
(AD-A058180)
Methodological and operational aspects of programmed environment research
(AD-A058587)

OPERATOR PERFORMANCE
On the man's adaptation to the operator's work under stressful conditions of space flight
(TAP PAPER 78-A-56)
Psychophysiological forecasting of efficiency
Development and transfer of timesharing skills for human multiple task performance
Effects of vibration on humans - Performance decrements and limits
A composite view of task performance in hot environments
Seating, console and workplace design - Seated operator reach profiles
Seating, console, and workplace design - Integration of literature and accommodation model
Imagery interpreter performance in the comparison of subjective estimates of photographic image quality
Discrimination of density and clustering on four versions of a stochastic display --- human performance of pattern recognition
Tracking in two dimensions as a function of dimension priorities and tracking difficulty
Lateral orientation and cerebral activation - Considerations for information display
A prediction model of arm push strength in the transverse plane
Synthetic aperture radar operator tactical target acquisition research
Target acquisition in realistic terrain
Depth perception and manual control
The event related cortical potential as an index of task workload
Task functional demands as factors in dual-task performance
Observer performance using a video display --- in simulated air to ground target acquisition tasks
Experimental designs for investigating complex human operator/machine systems
In the text, there are several references to studies and reports on various topics related to oxygen, including:

- **Oxygen Breathing**: Studies on the effects of oxygen breathing on health and performance, such as the effects of ozone inhalation on work performance and the effects of glycogen depletion and work load on oxygen consumption.
- **Oxygen Deficiency**: Research on oxygen deficiency, including studies on the effects of normobaric hypoxia on brain and liver tissue respiration in albino rats.
- **Oxygen Metabolism**: Investigations into the effects of reduced oxygen supply on metabolic processes, such as the effects of work load on oxygen metabolism in the heart.
- **Oxygen Production**: Development of oxygen production technologies, including the use of lasers and plasma processes.
- **Oxygen Transport**: Studies on the transport of oxygen in various conditions, including oxygen consumption in the brain and the effect of normobaric hyperoxia on physical performance.

The text also includes references to specific studies and reports, such as:

- **NASA-TM-75391**
- **P.407 A-79-33641**
- **P010 A-79-26018**

These references are typically used to cite specific research findings or methodologies used in the broader context of oxygen-related studies.
OZONE

OXYHEMOGLOBIN

OXYGENATION

OXYGEN TOXICITY

OXYGEN TENSION

OXYGEN SUPPLY EQUIPMENT

OXYGEN MACHES

Oxygen systems for Army helicopters

p0048 A79-19421

U.S. Navy development of an on-board oxygen generation /ONOG/ system

p0183 A79-33632

Molecular sieve oxygen generating system - The oxygen question /A brief review/ --- effects of 5 percent Ar in breathing gas

p0278 A79-49998

Human compatibility testing of a 2-man molecular sieve oxygen generator

p0053 A79-12710

U.S. Navy Development of an On-Board oxygen system

p0197 A79-24856

OXYGEN SYSTEMS

OXYGEN SUPPLY EQUIPMENT

OXYGEN TENSION

OXYGEN TOXICITY

OXYGEN TENSION

Cerebral gas exchange in rats adapted to hypoxia

p007 A79-20623

Partial pressure

Intracranial inspiration of oxygen-poor mixtures

p097 A79-27557

Effects of chronic changes in hemoglobin-02 affinity in rats

p0165 A79-33808

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

p0208 A79-38146

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 %o2 in M. mulatta

p0234 A79-43205

The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia

p0296 A79-51116

Sorbitan-vitamin estimation of bilirubin and hemoglobin

p0058 A79-13684

OXYGEN TOXICITY

OXYGEN TENSION

OXYGEN SUPPLY EQUIPMENT

OXYGEN MACHES

Oxygen systems for Army helicopters

p0048 A79-19421

U.S. Navy development of an on-board oxygen generation /ONOG/ system

p0183 A79-33632

Molecular sieve oxygen generating system - The oxygen question /A brief review/ --- effects of 5 percent Ar in breathing gas

p0278 A79-49998

Human compatibility testing of a 2-man molecular sieve oxygen generator

p0053 A79-12710

U.S. Navy Development of an On-Board oxygen system

p0197 A79-24856

OXYGEN SYSTEMS

OXYGEN SUPPLY EQUIPMENT

OXYGEN TENSION

OXYGEN TOXICITY

OXYGEN TENSION

Cerebral gas exchange in rats adapted to hypoxia

p007 A79-20623

Partial pressure

Intracranial inspiration of oxygen-poor mixtures

p097 A79-27557

Effects of chronic changes in hemoglobin-02 affinity in rats

p0165 A79-33808

The effect of hyperoxia on the oxygen tension of blood and cerebral tissue

p0208 A79-38146

Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 %o2 in M. mulatta

p0234 A79-43205

The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia

p0296 A79-51116

Sorbitan-vitamin estimation of bilirubin and hemoglobin

p0058 A79-13684

OXYGEN TOXICITY

OXYGEN TENSION

OXYGEN SUPPLY EQUIPMENT

OXYGEN MACHES
PARTICLE BEAMS

PARTICLE BEAMS

PARTICLE BEAMS

NT PROTON BEAMS

NT IONIC DIFFUSION

Particle deposition due to turbulent diffusion in the upper respiratory system

p0270 A79-48251

PARTICLE INTERACTIONS

NT MOLECULAR INTERACTIONS

NT WEAK ENERGY INTERACTIONS

Pacific Northwest Laboratory report for 1977 to the DOE assistant secretary for environment. Part 2: Ecological sciences

p0053 A79-13677

PARTICLE SIZE DISTRIBUTION

The dependence of the CO2 removal efficiency of LID on humidity and mesh size --- in spacecraft life support systems

[ACME PAPER 78-EMAS-5] p0006 A79-12554

PARTICLES

NT AEROSOLS

NT ETA PARTICLES

NT CATIONS

NT LIGHT BEAMS

NT METAL IONS

PASSAGERS

A study of the available evidence on duration effects on comfort and task proficiency under vibration

p0254 A79-46399

Effects of deceleration and rate of deceleration on live seated human subjects

[PB-284653/3] p0057 A79-13702

PATHOGENESIS

Cyclic nucleotides and adaptation of the organism --- Russian book

p0133 A79-26500

Third Symposium on Motion Sickness

p0313 A79-33814

PATHOLOGICAL EFFECTS

How does the saccadic eye movement controller adapt for pathological states

p0066 A79-18305

Statistical studies of animal response data from USF toxicity screening test method

p0066 A79-18306

Ten-week studies of survivors from exposure to pyrolysis gases

p0066 A79-18307

Two-week studies of survivors from exposure to pyrolysis gases

p0066 A79-18308

Laser safety bioeffects research - Histopathology of retinal effects

p0138 A79-28169

Extrapolation of high intensity of light in scanned displays --- laser radiation eye exposure limits

p0138 A79-28170

Low level laser light effects --- on vision

p0138 A79-28171

Pathophysiology of overloads: Bibliography of Soviet publications --- Russian book

p0200 A79-36385

Some problems involved in using mathematical methods for evaluation of pathophysiological changes in the body

p0192 A79-23628

Effect of impact acceleration on chemical resistance of rat erythrocytes

p0313 A79-33811

PATHOLOGY

NT HUMAN PATHOLOGY

Incidence of cardiovascular problems among flying personnel and their evaluation

p0182 A79-33186

PATIENTS

An illness-injury severity index

p0050 A79-12688

PATTERN DISTRIBUTION

A DISTRIBUTION (PROPERTY)

PATTERN RECOGNITION

Discrimination of density and clustering on four versions of a stochastic display --- human performance of pattern recognition

p0036 A79-12192

SUBJECT INDEX

Useful visual field size for pattern perception

p0129 A79-25098

Training of visual recognition

p0160 A79-29250

The development of integrated multidimensional displays

p0187 A79-30990

Stereo 3-D perception for a robot

p0191 A79-10740

A relationship between eye movement patterns and performance in a precognitive tracking task

p0116 A79-17490

Training effect of recognition of different alphabets of visual stimuli

p0175 A79-21747

Estimation of aircraft target motion using pattern recognition orientation measurements

p0177 A79-21764

Application of pattern recognition to ultrasonic tissue characterization

p0194 A79-23647

Classification of amplitude-modulated noise patterns with extended practice

[AR-0666703] p0222 A79-25756

Influence of light adaptation on dark adaptation time for pattern recognition tasks

[pB-31] p0316 A79-33835

PATTERN REGISTRATION

Effects of stimulus onset and image motion on contrast sensitivity

p0231 A79-42231

PAYSLOADS

NT SPACE SHUTTLE PAYLOADS

PEARSON DISTRIBUTIONS

Estimation of the operating characteristics of item response categories, 3: The normal approach method and the Pearson system

[AD-A056747] p0185 A79-18587

PEPTIDES

NT POLYPEPTIDES

Interaction between inositol hexaphosphate and carbobenzoxy peptide - A model for nucleic acid - Nucleosome... chromosomal protein interaction

p0100 A79-22082

Biologically active short-chain peptides

[FOA-C-40063-C1] p0066 A79-18306

PERCEPTION

NT AUDITORY PERCEPTION

NT NOISE PERCEPTION

NT VIBRATION PERCEPTION

NT TACTILE PERCEPTION

NT TASTE

NT VISION PERCEPTION

NT VISUAL DISCRIMINATION

NT VISUAL PERCEPTION

NT CONSCIOUSNESS

NT CRITICAL FLICKER FUSION

NT KINESMESTHESIA

NT MOTION PERCEPTION

NT PATH

NT PROPRIOCEPTION

NT SENSORY PERCEPTION

NT SPACE PERCEPTION

NT TACTILE DISCRIMINATION

NT TASTE

NT VERTICL PERCEPTION

NT VIBRATION PERCEPTION

NT VISUAL DISCRIMINATION

NT VISUAL PERCEPTION

The sensory systems --- Russian book on neurophysiology and biophysics research

p0082 A79-14369

Shalit Perceptual Organisation and Reduction Questionnaire (SPORQ): The instrument, design, administration and scoring

[FOA-C-55021-P.63] p0249 A79-27805

Neuropsychic asymmetry as related to pilot and radar intercept officer performance

[FOA-C-55021-BC] p0289 A79-31935

The information in aircraft accidents investigation

p0291 A79-31947

PERFORMANCE

Performance evaluation of test dummies with flesh parts produced with substitute foaming compounds

[pB-289951/6] p0179 A79-25098

PERFORMANCE PREDICTION

NT PREDICTION ANALYSIS TECHNIQUES

Psychophysiological forecasting of efficiency

p0010 A79-12867
PERMEABILITY

PERIPHERAL EQUIPMENT (COMPUTERS)

PERFUSION

PERIPHERAL VISION

NT CONSOLS

PERIPHERAL EQUIPMENT (COMPUTERS)

Application of performance model to assess aviator critical incidence

Cross-validation of regression equations to predict performance in a pursuit tracking task

Target-terrain classification and detection performance -- to assess aerial photos for tanks

Detection of conflict states in air traffic control of airport zones

Predictive validity of flight simulators as a function of simulator motion

Prediction of pilot reserve attention capacity during air-to-air target tracking

A method to evaluate performance reliability of individual subjects in laboratory research applied to work settings

Quantification and validation of percept-genetic defense mechanisms. A hierarchical analysis of behavior of pilots under stress

Performance and workload analysis of inflight helicopter missions

PERFORMANCE TESTS

Effects of vibration on humans -- Performance decrements and limits

The application of computer aided evaluative techniques to system test and evaluation -- of fighter aircraft pilot performance

Imagery interpreter performance in the comparison of subjective estimates of photographic image quality

Quantifying operator preference during human factors test and evaluation --- in helicopter design

System operability -- Concept and measurement in test and evaluation --- man system compatibility indices in F-18 aircraft example

Engineering test and evaluation during high G. Volume 3: Anti-G suits

Safety evaluation tests of personal protective equipment for ordnance operations

Proceedings of the 1977 Computerized Adaptive System operability - Concept and measurement in test and evaluation --- man system compatibility indices in F-18 aircraft example

PERFUSION

D DIFFUSION

PERIODICITY (BIOLOGY)

G RHYTHM (BIOLOGY)

PERIPHERAL CIRCULATION

Circulatory response to arterial hyperoxia

PERIPHERAL EQUIPMENT (COMPUTERS)

Visual-vestibular interactions. I - Influence of peripheral vision on suppression of the vestibulo-ocular reflex and visual acuity

The effects of carbon monoxide on dual-task performance

The peripheral critical flicker frequency

Latency of peripheral saccades

Technique for simulating G-induced tunnel vision

Visual and optical assessment of gas protective face masks

PERMEABILITY

Mechanism of effects of microwaves on erythrocyte permeability for potassium and sodium ions

Multiple tracer diffusion methods for the evaluation of cerebral capillary permeability and capillary blood flow rate in the rat

PERSISTENCY

An empirical formula for broad-band SAR calculations of prolate spheroidal models of humans and animals -- Specific Absorption Rate

PESTIAN GULF

A biogeochemical study of the Abu Dhabi algal mats -- A simplified ecosystem

PERSONALITY

Vibration, performance, and personality --- vibration effects on human performance and psychological factors

Masculinity, femininity, androgyny. What really works at work [AD-A061177]

The psychologist in aircraft accident investigation --- pilot personality and performance

PERSONALITY TESTS

Personality characteristics of pilots on EPPS, MPE and DOSEFU test. IF - Comparison among pilots, non-pilot officers and aviation students

PERSONNEL

PT AIR TRAFFICControllers (PERSONNEL)

PT AIRCRAFT PILOTS

PT ASTRONAUTS

PT COSMONAUTS

PT FLIGHT CREWS

PT FLIGHT SURGEONS

PT FLYING PERSONNEL

PT GROUND CREWS

PT NAVIGATORS

PT OPERATORS (PERSONNEL)

PT PILOTS (PERSONNEL)

PT PILOTS (PERSONNEL)

PT SCIENTISTS

PT SPACECREWS

Subjective data in human reliability estimates

PERSONNEL DEVELOPMENT

Ergonomics laboratory studies pilots' stability for command --- Psychophysiological characteristics

PERSONNEL MANAGEMENT

Coordinated crew performance in commercial aircraft operations

The next decade - Development, training, supervision

Aeromedical aspects of flying training with special reference to instructor pupil relationship

Initial training and retraining of technical agricultural flight personnel

PERSONNEL SELECTION

PT PILOT SELECTION

Psychological selection of payload astronauts

Selection of astronaut candidates - Contribution of the exercise ECG and spirometry

Special tests for astronaut selection - Study of cardiovascular reactions by the orthostatic test

Special test for astronaut selection - Tests of tolerance in the centrifuge and in flight

Special tests for astronaut selection - Muscular exercise test

Male and female characteristics in vestibular testing - A step toward the selection of the best participants for space flight

Preliminary selection of candidates for space flights

PERSEVERANCE

Selection, training, and health care of working specialists for Shuttle/Spacelab and future

A-145
PHOTOPHYSIOLOGY

Imagery interpreter performance in the comparison of subjective estimates of photographic image quality p0036 A79-13191
Target-terrain classification and detection performance --- to assess aerial photos for tanks p0065 A79-18225
Peripheral acuity and photointerpretation performance p0068 A79-18996
The interpretation of visual motion --- Book p0076 A79-38424
Evaluation of four target-identification training techniques p0123 N79-17548

PHOTOLYSIS

Synthesis of organic compounds from carbon monoxide and water by UV photolysis p0099 A79-22077
Photochemical transformations of the visual pigment rhodopsin p0181 A79-32319

PHOTΟMETERS

A photometer for determining the biomass of microorganism from the ATP content [BLL-N7S-1155] p0141 N79-18555

PHOTOMETRY

ST SPECTROPHOTOMETRY


PHOTON ABSORPTION

ST ELECTROMAGNETIC ABSORPTION

PHOTON BEMS

ST LIGHT BEAMS

PHOTONIZATION

Inverse assimilation -- A general principle of evolution of planetary surfaces p0207 A79-37989
Energy transfer mechanisms in photobiological reactions [COO-875-180] p0283 N79-31698

PHOTOPHASE

Reciprocal interaction between the photopic and scotopic systems of the visual analyzer in man p0296 A79-51327

PHOTORECEPTORS

Apparent saturation of blue-sensitive cones occurs at a color-opponent stage p0002 A79-10474
Intrinsic noise, threshold sensitivity, and adaptation of the retina p0042 A79-14373
Photochemical transformations of the visual pigment rhodopsin p0181 A79-32319
Thermal activation of the visual transduction mechanism in retinal rods p0230 A79-41746
Suprathermal retinal damage due to single 6 picosecond 1060 nm laser light pulses p0266 A79-47330

PHOTOREDUCTION

ST PHOTOCHEMICAL REACTIONS

PHOTODIVERSITY

ST LIGHT ADAPTATION

Deductive derivation of a mathematical model for spectral sensitivity of the human organ of sight. I, II p0166 A79-31178
Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range p0188 A79-35363
Origin of neuron responses of the superior colliculus to light flashes p0233 A79-42298
Light-driven solute transport in Halobacterium halobium p0270 A79-49194
Nonlinear perception of infrared radiation in the 800-1355 nm range with human eye p0301 A79-53163
Cerebral hemodynamics and visual analyzer function following exposure to bright light p0109 N79-16525

PHOTOSYNTHESIS

In vitro duplication of the primary light-induced charge separation in purple photosynthetic bacteria p0131 A79-26100
The response of selected terrestrial organisms to the Martian environment -- A modeling study p0136 A79-27928
Metal porphyrins in pre-Cambrian deposits as a probable evidence for early photosynthesis p0165 A79-30695
Evolution of early life inferred from protein and ribonucleic acid sequences p0206 A79-37980
Inverse assimilation -- A general principle of evolution of planetary surfaces p0207 A79-37989
A proposal concerning the origin of life on the planet earth p0253 A79-45641
Photosynthetic carbon reduction by seagrasses exposed to ultraviolet B radiation (NASA-CR-160144) p0175 N79-21742
Photochemistry and enzymology of photosynthesis [COO-326-170] p0239 N79-26763
Applications of chlorophyll fluorescence transient measurements to the functional analysis of photosynthetic processes p0243 N79-27813
Adaptive optimization of exchange of gases in plants in a sealed phytotron p0313 N79-33806

PHOTOTHERMOTROPISM

U TEMPERATURE EFFECTS

PHOTOCOUPLED OSCILLATIONS

U OSCILLATORS

U PITCH (INCLINATION)

PHYSICAL EXERCISE

PHYSICAL ENDURANCE

PHYSICAL FITNESS

PHYSICAL EXAMINATIONS

ST PHOTOCHEMICAL REACTIONS

PHOTODIVERSITY

ST LIGHT ADAPTATION

Deductive derivation of a mathematical model for spectral sensitivity of the human organ of sight. I, II p0166 A79-31178
Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range p0188 A79-35363
Origin of neuron responses of the superior colliculus to light flashes p0233 A79-42298
Light-driven solute transport in Halobacterium halobium p0270 A79-49194
Nonlinear perception of infrared radiation in the 800-1355 nm range with human eye p0301 A79-53163
Cerebral hemodynamics and visual analyzer function following exposure to bright light p0109 N79-16525

PHOTOSYNTHESIS

In vitro duplication of the primary light-induced charge separation in purple photosynthetic bacteria p0131 A79-26100
The response of selected terrestrial organisms to the Martian environment -- A modeling study p0136 A79-27928
Metal porphyrins in pre-Cambrian deposits as a probable evidence for early photosynthesis p0165 A79-30695
Evolution of early life inferred from protein and ribonucleic acid sequences p0206 A79-37980
Inverse assimilation -- A general principle of evolution of planetary surfaces p0207 A79-37989
A proposal concerning the origin of life on the planet earth p0253 A79-45641
Photosynthetic carbon reduction by seagrasses exposed to ultraviolet B radiation (NASA-CR-160144) p0175 N79-21742
Photochemistry and enzymology of photosynthesis [COO-326-170] p0239 N79-26763
Applications of chlorophyll fluorescence transient measurements to the functional analysis of photosynthetic processes p0243 N79-27813
Adaptive optimization of exchange of gases in plants in a sealed phytotron p0313 N79-33806
PHYSICAL FACTORS

Effects of exercise, vitamin E, and ozone on pulmonary function and lipid peroxidation
p0067 A05-18965

Effect of physical conditioning on cardiac mitochondrial function
p0068 A05-18966

Effect of water and electrolyte replacement during exercise in the heat on biochemical indices of stress and performance
p0127 A05-24629

Caloric and exercise requirements of space flight - Biostereometric results from Skylab
p0128 A05-24637

The effects of different levels of heat production-induced by diaphoresis and eccentric work on thermoregulation during exercise at a given skin temperature
p0128 A05-24698

CO2 and exercise tidal volume
p0133 A05-27104

Mechanics of the regulation of the respiratory system in man
p0160 A05-29258

Plasma volume and electrolyte shifts with heavy exercise in sitting and supine positions
p0161 A05-29336

Effect of sodium and calcium ingestion on thermoregulation during exercise in man
p0163 A05-30624

Sweating responses during heat acclimation and moderate conditioning
p0185 A05-33803

Control of skin blood flow during exercise - Thermal and nonthermal factors
p0185 A05-33807

Physical performance and peak aerobic power at different body temperatures
p0221 A05-36046

Anaerobic threshold alterations caused by endurance training in middle-aged men
p0227 A05-41184

Response of women mountaineers to maximal exercise during hypoxia
p0234 A05-43201

Limb blood flow - Rest and heavy exercise in sitting and supine positions in man
p0235 A05-43208

Temperature changes during exercise measured by thermography
p0235 A05-43209

Effect of physical training at moderate altitude /1850 m/ on hypoxic tolerance
p0235 A05-43210

Influence of exercise and CO2 on breathing pattern of normal man
p0237 A05-43704

Effects of endurance training on left ventricular dimensions in healthy men
p0237 A05-43706

The evolutionary pattern of exercise-induced ST segment depression
p0251 A05-44166

Hypothermia and exercise --- plasma fluid and electrolyte effects on human thermoregulation
p0252 A05-44775

Technological efficiency of fast- and slow-twitch muscle fibers in man during cycling
p0268 A05-47852

Cross-adaptive effects of cold, hypoxia, or physical training on decompensation sickness in mice
p0268 A05-47852

Reconditioning-induced exercise responses as influenced by heat acclimation
p0273 A05-49985

Pulmonary function and maximum exercise responses following acute ozone exposure
p0273 A05-49987

Prediction of body temperatures during exercise in flying clothing
p0273 A05-49987

Effects of glycocone depletion and work load on postexercise O2 consumption and blood lactate
p0277 A05-50903

Frequency and amplitude analysis of the EMG during exercise on the bicycle ergometer
p0297 A05-52022

Metabolic adrenergic changes during submaximal exercise and in the recovery period in man
p0305 A05-54267

Mechanics of breathing during graded exercise measured with the bodyplethysmograph
p0315 A05-10713

Measuring systolic time intervals at rest and under stress by external methods. Advantages in the evaluation of fliers
p0330 A05-11717

Metabolic responses of ponies to treadmill exercise in hypoxia
p0409 A05-12681

Isoinertial exercise: A review of the literature
p0505 A05-12695

Combined effect of hypoxia, low pressure and exercise on the rate of methylketone excretion from the human body
p0573 A05-14725

Evidence for the neural regulation of respiration during low intensity exercise in man
p0591 A05-18578

Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man
p0592 A05-23634

External respiration and gas exchange reactions to exercise during rotation of man on a short-radius centrifuge
p0615 A05-23639

The influence of various physiological responses on ratings of perceived exertion before and after training
p0619 A05-23649

Evaluation of exercise-respiratory system modifications and preliminary respiratory-circulatory system integration scheme [NASA-CR-160221]
p0621 A05-24639

Aortic blood flow velocity during exercise in man
p0629 A05-27510

The influence of exercise on bone atrophy [NASA-CR-160196]
p0629 A05-27514

User's instruction for the high speed version of the cardiovascular exercise model [NASA-CR-160211]
p0629 A05-27524

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems [NASA-CR-160223]
p0629 A05-27533

The effects of dehydration on peripheral cooling [AD-A066332]
p0629 A05-27574

Stress management: A comparison of educational, aerobic and autosuggestive approaches
p0629 A05-28087

Possibility of improving assessment of cardio-pulmonary function by submaximal exercise on a bicycle ergometer [NLS-TR-11657]
p0629 A05-30918

PHYSICAL FACTORS

Effect of impermeable clothing and respirator on work performance. Part 1: Laboratory studies [SAND-77-2122]
p0634 A05-11748

PHYSICAL FITNESS

Influences of physical conditioning and deconditioning on coronary vasculature of dogs
p0067 A05-18955

Pulmonary blood volume and interventricular circulation time in physically trained and untrained subjects
p0128 A05-24000

Effects of endurance training on left ventricular dimensions in healthy men
p0237 A05-43706

Follow-up and transversal study of vital capacity and FVC sub values among personnel of the Belgian army forces
p0237 A05-43706

Coronary atherosclerosis and fitness for flying
p0237 A05-43706

Cardiologica1 findings in 115 pilots: Diagnoses and assessment of their flying fitness
p0237 A05-43706

Cardiovascular fitness of pilots of transport aircraft
p0237 A05-43706

Rehabilitation measures used to restore physical fitness of man after long-term restriction of flight flying
p0237 A05-43706

Mental stress and performance of pilots. Results of laboratory and simulator studies
p0237 A05-43706
Effect of exercise on collateral development in dogs with normal coronary arteries

Effect of exercise, vitamin E, and ozone on pulmonary function and lipid peroxidation

Distribution of pulmonary ventilation and perfusion during short periods of weightlessness

Collision avoidance response stereotypes in pilots and nonpilots

Structure of circulatory fields as one of the criteria for physiological adaptability of the human organism

Eye movements and symmetry - Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field --- German thesis

Responses of pial arterioles after prolonged weightlessness of dogs with normal coronary arteries

Duralogravic illusion in response to straight-ahead acceleration of a C-104 aircraft

Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen

Mechanical vs. ischemic mechanisms for decompression sickness

Responses of high altitude natives to a standard cold test at sea level

Oculogravic illusion in response to straight-ahead acceleration of a CF-104 aircraft

Cardiac response to whole-body heating

Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia

Process of search control of coordinated movement in man

The development of laser exposure limits

Ageing and flying fitness

Nystagmographic characterization of responses to rotation of persons with different vestibular-vegetative stability

Immunophysiological aspects of man's adaptation to highland

Evaluation of physiological indices during preflight medical examination of pilots

Microwave apexcardiography

Origin of neuron responses of the superior colliculus to light flashes

Enhancement of luminance flicker by color-opponent mechanisms

Hypertension and exercise --- plasma fluid and electrolyte effects on human thermoregulation

Using color substitution pupil response to expose chromatism mechanisms

Particle deposition due to turbulent diffusion in the upper respiratory system

Effects of glycogen depletion and work load on postexercise O2 consumption and blood lactate

Responses of conscious rabbits to CO2 at ambient temperatures of 5, 20, and 35 C

The effect of normobaric hypoxia on brain and liver tissue respiration in albino rats with different resistances to hypoxia

The physiological role of surface-active substances in the lung

Early cardiovascular adaptation to zero gravity simulated by head-down tilt

Ultrastuctural development of the vestibular system of frog larvae in 0g simulation

Eye torsion in response to a tilted visual stimulus

Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation

Characteristics of vestibular nystagmus in rats

A method of evaluating the pupillary reaction to vestibular stimuli

Reproducibility of human cardiovascular responses to orthostatic stress

Modeling of visual-vestibular interaction and the fast components of nystagmus

Physiological responses of women to simulated weightlessness: A review of the first female bed-rest study

Biological effects of nonionizing electromagnetic radiation. Volume 2, number 4: A digest of current literature

Space biology and aerospace medicine, vol. 12, no. 6

Antiothostotic hypokinesia as an approximate model of weightlessness

Bioelectrical activity of the brain during 49-day antiothostotic hypokinesia in individuals with early signs of vegetovascular dysfunction

Heart rate: Physiological characteristics and quantification methods for use in behavioral studies

Heart rate: Physiological characteristics and quantification methods for use in behavioral studies

Design specification for the whole-body algorithm

Systems identification and application systems development for monitoring the physiological and health status of crewmen in space

Study report on combining diagnostic and therapeutic considerations with subsystem and whole-body simulation

A prioritized set of physiological measures for future spaceflight experiments
PHYSIOLOGICAL TELEMETRY

PHYSIOLOGICAL TESTS

- Vestibular tests
- Electronystagmography
- Bar pressure test
- Body sway test

Biotelemetry

- Pulmonary function and maximum exercise responses
- Blood coagulation and tissue factors of blood
- The validation of biodynamic models
- User's instructions for the whole-body algorithms
- Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery
- Pulmonary function and maximum exercise responses following acute ozone exposure

Subject Index

- Prediction of body temperatures during exercise in flying clothing
- Biomechanical properties of muscles and the efficiency of movement
- Dymanical characteristics of visual functions
- Forms of oculomotor activity under conditions of positive visual feedback
- Auditory evoked potentials during short-term auditory stimulation
- Time parameter in microwave irradiation --- rodent experiments on damage and recovery
- Lung oxygen diffusibility and permeability in dogs of various ages under normal conditions and in cases of acute hypoxic hypoxia
- The effect of the reduction of inspired gas density on external respiration
- Continuous long-duration recording of the heart rate by means of a noncontact technique
- Changes in critical duration during dark-adaptation
- Standardized examination methods in ergometry
- Detection of coronary artery disease in apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusion scintigraphy
- Cardiological findings in 115 pilots: Diagnoses and assessment of their flying fitness
- Normal and pathological cardiovascular findings in applicants to the Air Force service
- Stability of circadian system of the body
- Comparative experiments on performance and fatigue effects on pilots using tracking tests and physiological measurement parameters
- Ergometric tests in expert medical certification of flight personnel
- Results of a 64Cu-loading test applied to patients with an inherited defect in their Cu-metabolism (Menke's disease)
- The oral 64Cu-loading test: Applications and problems
- Effects of acute noise trauma on whole-nerve and single-unit activity
- Effects of aspnotamine on response selection and response execution processes in choice reaction tasks
- Anoxic threshold alterations caused by endurance training in middle-aged men
- Erythropoietic effects of space flight
- Some forms of adaptation to extreme influences in the blood system
- Epiphysis of rats under the combined action of hypoxia, hypercapnia and cooling
- Reproducibility of +Gz tolerance testing
- Design, fabrication and utility of a flight-oriented performance test
- Application of nonlinear methods to physiological flows --- Harrier-stokes equation, prosthetic
heart valves and vasoconstriction

Physiological system integrations with emphasis on the respiratory-cardiovascular system


The application of sensitivity analysis to models of large scale physiological systems

[NASA-CR-160228] p0213 79-24684

Study report on interfacing major physiological subsystems: an approach for developing a whole-body algorithm


Physiological fluid dynamics

[NEI-LECTURE-SERIES-32] p0247 79-27843

Diagnosis of cutaneous thermal burn injuries by multispectral imaging analysis

[NASA-CR-162103] p0279 79-30922

PHOTOTRONS

Adaptive optimization of exchange of gases in plants in a sealed phytotron

p0313 79-33806

PICOSECOND PULSES

Suprathereshold retinal damage due to single 6 picosecond 1060 nm laser light pulses

p0266 79-47330

PIGMENTS

MY CHLOROPHYLLS

MY CITICHROMES

MY MELANIN

MY VISUAL PIGMENTS

PILOT ERROR

False hypothesis and the pilot --- aircraft accidents due to decision making errors

[SARE PAPER 780528] p0001 79-10399

Application of performance model to assess aviator critical incidence

p0063 79-18209

Physiological biochemistry as a correlate of pilot error accidents and incidents

p0065 79-18228

Human error accidents - Some case studies --- for aircraft

p0183 79-33193

Judgement evaluation and instruction in civil pilot training

[AD-8057440] p0019 79-10737

Directional errors of movements and their correction in a discrete tracking task --- pilot reaction time and sensorimotor performance

p0086 79-15589

Human Factors Aspects of Aircraft Accidents and Incidents

[ASCB-CP-256] p0290 79-31942

Three decades of USAF efforts to reduce human error accidents, 1947-1977

p0290 79-31943

Analysis of the intervention of the human factor as a principal cause or influence in accidents of Mirage aircraft in the Belgian Air Force

p0290 79-31945

Pilot incapacity in flight

p0251 79-31950

Geographical disorientation and flight safety

p0291 79-31951

PILOT PERFORMANCE

Flight management research utilizing an ocnolometer --- pilot scanning behavior during simulated approach and landing

p0001 79-10389

The application of computer aided evaluative techniques to system test and evaluation --- of fighter aircraft pilot performance

p0036 79-13190

The effects of ambient illumination, aircraft velocity and feedback on absolute distance judgments during simulated night flight-of-the-earth flight

p0038 79-13204

Investigation of arrangement of multipurpose displays and use of tailored control logic in a fighter aircraft cockpit

p0038 79-13205

Visual workload of the copilot/navigator during terrain flight

p0038 79-13206

Four years of color research for visual displays --- human performance consideration for use in aircraft

p0039 79-13210

Response surface methodology as a manipulator of complex task difficulty --- for computer generated aircraft area navigation control-display systems evaluation

p0039 79-13211

Multifunction keyboard configurations for single-seat, air-to-ground fighter cockpits

p0039 79-13213

The assessment of rotary wing aviator precision performance during extended helicopter flights

p0040 79-13221

Development of automated performance measures for introductory air combat maneuvers

p0040 79-13223

Experimental and psychological investigations in aviation and astronautics --- Russian book

p0041 79-13998

Increasing pilot's performance capacity during flight through use of a control element serving as information carrier

[DGLR PAPER 78-152] p0042 79-14097

High 'Q' escape protection --- pilot restraint during high speed ejection

p0044 79-14428

The multiloop concept of the pilot work load as a basis of future experiments and studies

[OWPA, TP NO. 1978-10] p0045 79-14795

Application of control theory to the investigation of roll motion effects on pilot control behavior

[AD-A104921] p0046 79-14972

Selection and techniques for analysis of indices of Visual data reception. II --- aircraft pilot eye movements

p0047 79-15494

The man-computer division of tasks in the context of the control of complex technical systems --- applied to aircraft

p0061 79-17683

Quantifying operator preference during human factors test and evaluation --- in helicopter design

p0062 79-18202

Time estimation as a technique to measure workload --- of aircraft pilot in flight simulation

p0062 79-18203

AWACS, a research facility for defining flight trainer visual system requirements

p0062 79-18207

Augmented feedback in adaptive motor skill training

p0062 79-18208

The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing

p0063 79-18210

An investigation of pictorial and symbolic aircraft displays for landing

p0063 79-18211

Pilot performance during flight simulation with peripherally presented visual signals

p0063 79-18213

Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix

p0063 79-18214

Night vision goggles and in-flight evaluation of the inside/outside refocusing problem in a DH-1N helicopter

p0063 79-18215

Simulator Training Requirements and Effectiveness Study /STRES/

p0063 79-18216

Air Combat Maneuvering Range /ACMR/ - Bas operational performance measurement entered a Golden Age

p0064 79-18221

On the relationship between pilot rating and pilot dynamics. I - An experimental approach

p0066 79-18474

On the relationship between pilot rating and pilot dynamics. II - An analytical approach

p0066 79-18475

Human engineering study of information processing applicable to helmet-mounted displays

p0068 79-18994

Collision avoidance response stereotypes in pilots and nonsailors

p0068 79-18995

Incapacitation time for +Gz-induced loss of consciousness

p0068 79-18995
PILOT PERFORMANCE CONTD

*Choice and techniques of analysis of indices for the perception of visual information. III --- by pilots*

*Universal airborne approach to pilot performance assessment*

*A study of progress in flying performance revealed from daily check sheets in a primary flight training course. III --- Comparison of progress between two courses*

*Current role of alcohol as a factor in civil aircraft accidents*

*Windshield quality and pilot performance measurement utilizing computer-generated imagery*

*Short-term sensory factors in ground controller/pilot communication*

*Predictive validity of flight simulators as a function of simulator motion*

*Frequency analysis of heart rate variability under visual workload of the copilot/navigator during concurrent loss of consciousness and sino-atrial block during +Gz stress*

*Methodological considerations of visual workloads of helmet pilots*

*Visual workload of the copilot/navigator during terrain flight*

*Analysis of electroencephalogram during psychomotor performance*

*Measurements of pilot workload during low altitude and high speed maneuver of F-111 supersonic jet fighter*

*Pilot workload in the aircraft of the future*

*Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft*

*Pilot-optimal augmentation of the air-to-air tracking task* [AIAA 79-1747]

*Sensory illusions - The ophthalmologist's point of view*

*Sensory illusions of vestibular origin*

*The physiologist's view of sensory illusions*

*The vestibule and flying --- pilot disorientation*

*Modeling human tracking performance in a high G-stress environment*

*Pilot workload during final approach in congested airspace*

*Delayed effects of alcohol ingestion on + Gz tolerance*

*In-flight measures of stress reduction due to wearable expandable foam earplugs*

*Man and automation --- for human-automated pilot interfaces*

*Advanced transport operation effects on pilot scan patterns*

*Technique for simulating G-induced tunnel vision*

*The influence of low frequency vibration on pilot performance as measured in a fixed base simulator/

*Lightweight helmet-mounted eye movement measurement system* 

SUBJECT INDEX

*Effects of vibration and noise on some indices of efficiency of MI-4 helicopter crews* 

*Experience with periodic aviation medical examinations* 

*A prospective medicine approach to the problem of ischemic vascular disease in the ear* 

*The significance of rhythm disturbances in asymptomatic persons*

*Cardiovascular diseases as a cause of unfitness for flying in aircrews of Italian Air Force: Histopathogenesis, influence of performance in flight, and prevention* 

*Psychophysiological effects of aging: Developing a functional age index for pilots. 2: Taxonomy of psychological factors [FAA-AM-78-16]* 

*Honest 1: Personality, heart rate, urinary catecholamine, and subjective fatigue measures related to night nap-of-the-earth flying [AD-A058888]* 

*The interaction of carbon monoxide and altitude on aviator performance: Pathophysiology of exposure to carbon monoxide [AD-A055212]* 

*Dynamics of impairment of pilot performance in the presence of hypoxia* 

*A simulator study of the interaction of pilot workload with errors, vigilance, and decisions* [NASA-TR-784882] 

*Comparative experiments on performance and fatigue effects on pilots using tracking tests and physiological measurement parameters [FAA-LTM-78-1771]* 

*The development and evaluation of objective frequency domain based pilot performance measures* [AD-A059677] 

*A study of the effect of forcing function characteristics on human operator dynamics in manual control* 

*Modeling the effects of high-G stress on pilots in a tracking task* 

*Discrete-time pilot model --- human dynamics and digital simulation* 

*Pilot-optimal augmentation synthesis* 

*Prediction, evaluation, and specification of flying qualities by means of step target tracking* 

*Analysis of a VTOL hover task with predictor displays using an optimal control model of the human operator* 

*A method motion simulator design based on modeling characteristics of the human operator* 

*Pilot decision making in a computer-aided flight management situation* 

*Pilot workload qualification for avionics design* 

*Training implications* 

*An approach to the multi-axis problem in manual control --- optimal pilot model* 

*Error rate information in attention allocation pilot models* 

*The effects of participatory mode and task workload on the detection of dynamic system failures* 

*Prediction of pilot reserve-attention capacity during air-to-air target tracking* 

*Prediction of pilot-aircraft stability boundaries and performance contours*
PILOT TRAINING

The application of control theory to the investigation of roll motion effects on human operator performance

The psychologist in aircraft accident investigation --- pilot personality and performance

Pilot performance in simulated aerial refueling as a function of tanker model complexity and visual display field-of-view

Performance and workload analysis of inflight helicopter missions

Undergraduate pilot training: Visual discrimination pretraining for land task

The role of cognitive switching in head-up displays --- to determine pilot ability to accurately extract information from either of two sources

PILOT SELECTION

An Air Combat Effectiveness Study /ACES/ program

Systeographic characterization of responses to rotation of persons with different vestibular-vegetative stability

Personality characteristics of pilots on EPPS, MTI and DOSEFU test. II - Comparison among pilots, non-pilot officers and aviation students

The relative effects of multiple factors on target acquisition --- by combat pilots

Medical barofunction testing of aviators with otolchnolaryngologic disease

The impact of coronary vascular risk factors on professional aircrew license loss in the United Kingdom

Stability of circadian system of the body

Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. Volume 1: Design considerations and research protocol

A description of the recent neuropsychological selection of pilots for land force light aircraft

PILOT TRAINING

Piloted aircraft simulation - Advantages, disadvantages, and practical problems

A computer-based simulator for computer-assisted pilot training

Transfer of a computer-assisted instrument procedures trainer to flight

Joint testing of the HF high altitude protective ensemble

The importance of providing stereoscopic vision in training for nap-of-the-earth /NOE/ flight

AWAS, a research facility for defining flight trainer visual system requirements

Augmented feedback in adaptive motor skill training

Application of performance model to assess aviator critical incidence

Simulator Training Requirements and Effectiveness Study /STRESS/

A visual simulator with transformation of the perspective in the raster of television pictures --- German book on pilot training systems

Role of autogenic training in psychophysiological conditioning of aviation school students

Naval aviation training - Perspective and prospects

SUBJECT INDEX

PILOT TRAINING

Discrete time modeling of heavy transport plane pilot behavior

A model for the pilot's use of motion cues in roll-axis tracking tasks

Motion cue effects on human pilot dynamics in manual control

Study of the use of a nonlinear, rate limited, filter on pilot control signals

Ergonomics laboratory studies pilots' stability for command --- psychophysiological characteristics

Psychophysiological effects of aging: Developing a functional age index for pilots. 3: Measurement of pilot performance

An analysis of helicopter pilot control behavior and workload during instrument flying tasks

Influence of motion wash-out filters on pilot tracking performance

Quantification and validation of percept-genetic defense mechanisms. A hierarchical analysis of behavior of pilots under stress

Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976

Stress factors on pilot performance. A bibliography with abstracts

An evaluation of the effects of a stability augmentation system upon aviator performance/workload during a MDOFAC high hover operation

Changes in the rotary wing aviator's ability to perform an uncomon low altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue

An analysis of helicopter pilot control behavior and workload during instrument flying tasks

Visual requirements for the helicopter pilot

Oculomotor performance of aviators during an autorotation maneuver in a helicopter simulator

Visual performance/workload of helicopter pilots during instrument flight

Sensornial aspects of helicopter operations

Disorientation in Royal Naval helicopter pilots

Head alining/tracking accuracy in a helicopter environment

Aviator visual performance: A comparative study of a helicopter simulator and the UH-1 helicopter

The effects of pilot age, lighting, and head-down time on visual accommodation

An adaptive controller which displays human operator limitations for a fighter type aircraft

Air Force female pilots program: Initial performance and attitudes

Balance training of the equilibrium organ and its effect on flight strategy

Stress factors on pilot performance. Citations from the International Aerospace Abstracts database

Crew workload assessment. Development of a measure of operator workload

A-155
PILOTED CENTRIFUGES

Cost analysis of pilot training systems [SAE Paper 781005]
Recent studies of simulation training effectiveness [SAE Paper 781006]
Recent developments and plans for pilot training devices [SAE Paper 781007]
A study of progress in flying performance revealed from daily check sheets in a primary flight training course. III - Comparison of progress between two courses [p0134 A79-27119]
Transfer of landing skill after training with supplementary visual cues [p0138 A79-28167]
Aeromedical aspects of flying training with special reference to instructor-pupil relationship [p0201 A79-37119]
Personality characteristics of pilots on EPSS, MPI and DQRUP test. II - Comparison among pilots, non-pilot officers and aviation students [p0210 A79-38822]
The relationship between flight simulator motion and training requirements [p0267 A79-47766]
Syntactic training and evaluation - Some current issues [p0270 A79-49221]
Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators [p0297 A79-52276]
Judgement evaluation and instruction in civil pilot training [p0079 A79-19770]
Objective motion discrimination in the simulator for air-to-air combat [p0079 A79-19770]
The development and evaluation of objective frequency domain based pilot performance measures in ADAPT [p0080 A79-19776]
Stress and simulation in pilot training [p0222 A79-25757]
Flight simulator training, volume 2, A bibliography with abstracts [p0222 A79-25758]
Undergraduate pilot training: Visual discrimination pretraining for land task [p0317 A79-33844]
PILOTED CENTRIFUGES

PILOTLESS AIRCRAFT

MT DRONE AIRCRAFT

PILOTS

Incidence of spinal disability amongst US pilots - Follow up of 16 cases [p0186 A79-35138]
Flightlessness as a method of evaluating the functional status of the nervous system of a pilot [p0300 A79-53065]
Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying [AGARD-C-223] [p0028 A79-11705]
Long term pulmonary function patterns in the aviator: The thousand aviator study [p0028 A79-11705]
Coronary athcerosclerosis and fitness for flying [p0029 A79-11711]
Detection of coronary artery disease is apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusion scintigraphy [p0029 A79-11712]
The significance of I wave abnormalities [p0029 A79-11713]
Left Anterior Hemiblock (LAH): Diagnostic and aeromedical risk [p0029 A79-11715]

Reproducibility of human cardiovascular responses to orthostatic stress [p0030 A79-11720]
The effect of Nap-of-the-Earth (NOE) helicopter flying on pilot blood and urine biochemicals [AD-A055204] [p0055 A79-12693]
Methodology to assess psychological stress and its impact in the air combat environment [AD-A053476] [p0057 A79-13707]
Hemispheric asymmetry as related to pilot and radar intercept officer performance [AD-A068087] [p0289 A79-31935]

PITUITARY GLAND

Epiphysis of rats under the combined action of hypoxia, hypercapnia and cooling [p0256 A79-46680]
PITCH (INCLINATION)

Ergonomic research into human tolerances for roll and pitch as well as their influence on individual perception and reactions to control parameters [p0282 A79-30944]
PITCH ANGIERS

G PITCH (INCLINATION)

PITUITARY GLAND

Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding [p025 A79-43605]
Identifying a tripelptyl aminopeptidase in the anterior pituitary gland - Effect on the chemical and biological properties of rat and bovine growth hormones [p0069 A79-19449]
Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of C/14-D-glucose in diabetic rats [p0252 A79-44797]
Studies on the bioassayable growth hormone-like activity of plasma [p0267 A79-47888]

Purification and cultivation of human pituitary growth hormone secreting cells [NASA-CR-151853] [p0051 A79-12474]
Purification and cultivation of human pituitary growth hormone secreting cells [NASA-CR-160242] [p0219 A79-25736]

Obtaining growth hormone from calf blood [p0283 A79-31895]

Stress and simulation in pilot training [p0297 A79-19770]
Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators [p0297 A79-52276]
Judgement evaluation and instruction in civil pilot training [p0019 A79-19779]
Objective motion discrimination in the simulator for air-to-air combat [p0079 A79-19770]
The development and evaluation of objective frequency domain based pilot performance measures in ADAPT [p0080 A79-19776]
Stress and simulation in pilot training [p0222 A79-25757]
Flight simulator training, volume 2, A bibliography with abstracts [p0222 A79-25758]
Undergraduate pilot training: Visual discrimination pretraining for land task [p0317 A79-33844]
PILOTED CENTRIFUGES

PILOTLESS AIRCRAFT

MT DRONE AIRCRAFT

PILOTS

Incidence of spinal disability amongst US pilots - Follow up of 16 cases [p0186 A79-35138]
Flightlessness as a method of evaluating the functional status of the nervous system of a pilot [p0300 A79-53065]
Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying [AGARD-C-223] [p0028 A79-11705]
Long term pulmonary function patterns in the aviator: The thousand aviator study [p0028 A79-11705]
Coronary athcerosclerosis and fitness for flying [p0029 A79-11711]
Detection of coronary artery disease is apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusion scintigraphy [p0029 A79-11712]
The significance of I wave abnormalities [p0029 A79-11713]
Left Anterior Hemiblock (LAH): Diagnostic and aeromedical risk [p0029 A79-11715]
A study of the mechanism of thigmomorphogenesis in
plants in space
Mechanism of plant virus inactivation in soil
Materials of the final reports on the joint
Pacific Northwest Laboratory report for 1977 to
The impact of sulfur dioxide on vegetation: A
biological experiment for Spacelab 1 --- plant
growth regulation
Convective control of long-range coherence in
plant growth regulation
Serendipitous solution to the problem of culturing
krabidopsis plants in sealed containers for
spaceflights of long duration
Importance of temperature control for REFLEx, a
biological experiment for Spacelab 1 --- plant
growth regulation study
Biological experiments carried out aboard the
biological satellite Cosmos-936
Influence of orbital flight conditions on
formation of genitals in Mecusati racemosum and
Anethum graveolens
Response of crown gall tissue to the space
environment: Residual carbohydrates in
supporting tissue --- COSMOS 782
Responses of crown gall tissue to the space
environment: Tumor development and anatomy ---
cosmos 782
Responses of crown gall tissue to the space
environment: Glutamine synthetase activity ---
cosmos 782
Responses to crown gall tissue to the space
environment: Isozyme patterns --- cosmos 782
The morphogenetic responses of cultured totipotent
cells of carrot (Daucus carota L.) at zero gravity
--- cosmos 782
The impact of sulfur dioxide on vegetation: A
sulfur dioxide-ozone response model
Pacific Northwest laboratory report for 1977 to
the DOE assistant secretary for environment.
Part 2: Ecological sciences
Materials of the final reports on the joint
Soviet-American experiment on the Kosmos-936
biosatellite
Mechanism of plant virus inactivation in soil
injected with municipal wastewater and treatment
plant sludge
Microanalytical identification of barium sulphate
crystals in statoliths of Chara Rhizoids
A study of the mechanism of thigmomorphogenesis in
plants, with special reference to the role of
ethylene and its significance to research with
plants in space
A new noninvasive technique for cardiac pressure measurement. II Scattering from encapsulated bubbles


depression


depression


depression


depression


depression
Bioassay of thermal protection afforded by candidate flight suit fabrics p0183 A79-33625
Cold water survival suits for aircrew p0298 A79-52280
Safety evaluation tests of personal protective equipment for ordnance operations [AD-A059887] p0053 A79-12712
Translations on USSR science and technology: Cold water survival suits for aircrew p0113 A79-16557
Visual and optical assessment of gas protective face masks p0152 A79-19642
Biomechanical constraints on thermal protective flight clothing design: A bioengineering analysis p0153 A79-19662
Advanced life support equipment for ordnance operations p0232 A79-42273
Guidelines for fit testing and evaluation of SAF personal-protective clothing and equipment [AD-A065901] p0197 A79-23668
A porcine bioassay study of the physiological effects of fiber and dye degradation products (FPD) on burn wound healing [AD-A066990] p0169 A79-20432
Evaluation of four thermally protective fabrics using the USAMFL bioassay method [AD-A067351] p0223 A79-25762
Field evaluation of experimental crash-crew firefighter's facepiece [AD-A066546] p0223 A79-25765
Mathematical models of skin burns induced by simulated postcrash fires as aids in thermal protective clothing design and selection [AD-A066946] p0223 A79-25766
The optical properties of smoke-protective devices [PAA-AR-78-81] p0242 A79-26784
Cold water survival suits for aircrew [AFL/SYS-POT-56] p0261 A79-28882
Insulated firefighters' crash-crow rescue boots and components: Field and laboratory evaluation [AD-A068264] p0262 A79-29795
Improved airline-type supplied-air plastic suit [DPSPS-79-30-12] p0262 A79-30983
Aluminized firemen's (fire proximity) wearable: Redesign of experimental prototype [AD-A065895] p0290 A79-31940
Optical methods for physiological research on clothing [AD-A071855] p0319 A79-33852

**METHODS OF ACTION AND OTHER ASPECTS**
Method and arrangement for the preparation of solid foodstuffs for long-term storage [TSL-RTR-11445] p0145 A79-18590

**PROTECTORS**
NT EAR PROTECTORS
NT LIPID METABOLISM
The comparative study of metabolism changes dynamics during hypoxia and hyperoxia in mice lungs [IAP PAPER 78-51] p0002 A79-11221

**PROTEINS**
In vivo response of ornithine decarboxylase activity to growth hormone as demonstrated by oxidation of L-ornithine-1-14C in hypophysectomized rats p0005 A79-12400
Influence of high-altitude conditions on the metabolism of nucleic acids and proteins in the thyroides of the rat p0069 A79-19425
The effect of plasmoidal slime on the metabolism of haploid cells of Physarum flavaicum and the respiration of isolated sitochondria p0105 A79-24513
Senescent changes in the ribosomes of animal cells in vivo and in vitro p0138 A79-27226

**SUBJECT INDEX**
PROTECTIVE COATINGS
PROTEIN METABOLISM
PROTECTORS
LIPOID METABOLISM
Ear protectors
Arrangement for the preparation of solid foodstuffs for long-term storage

**ACCOUNTS CONTAINING THE CARBON METABOLISM OF MICROGANRAMES**

**PROTEINS**

**PROTEINS**
Proton beams

Protein fractions and enzymatic activity thereof in the rat myocardium after the flight on Kosmos-690 biosatellite p0014 A79-10700


Effect of 95-day flight on parameters of immunological reactivity and protein composition of blood in the crew of Salyut-5 p1077 A79-16515

Analysis of visible spectra and thermodynamic parameters in hemoprotein systems p0144 A79-18579

Physiological effects of a high soybean protein diet in man p0240 A79-26777

Characteristics of proteins of some unicellular organisms as potential components of ecological life support systems p0296 A79-27834

Effects of gravity on contractile proteins ([NASA-CH-160303]) p0279 A79-30913

Photon beams

Relationship between proton motive force and potassium ion transport in Halobacterium halobium envelope vesicles p0227 A79-40775

Protoplasm Ultrastructural development of the vestibular system under conditions of simulated weightlessness p0290 A79-52298

Protoproteins The origin of life on earth - Recent studies p0207 A79-37997

Evolution in open systems - Acquisition and conservation of information in bioids p0207 A79-37997

Protoplasts Spacecraft utensil/hand cleaning fixture ([NASA-CH-151806]) p0032 A79-11731

Spacecraft utensil/hand cleaning fixture, addendum ([NASA-CH-151846]) p0052 A79-11732

The prototype wrist joint assembly TACPAM (Triple Axis Conson Pivot Arm Wrist), phase 2 ([NASA-CH-150885]) p0093 A79-15635

Protozoa

Nitz Paramecia p0154 A79-27335

Protozoa Ultrastructural development of the vestibular system under conditions of simulated weightlessness p0290 A79-52298

Psychological factors

The influence of intermittent aircraft noise on sleep. I p0255 A79-46599

Physical and mental working environment in a terminal based computer system [BLL-N75-11634] p0197 A79-23665

Stress and fatigue in the driving environment - physiological and psychological effects of heat and noise experienced inside automobiles p0271 A79-24629

Psychological factors

False hypothesis and the pilot --- aircraft accidents due to decision making errors [SAE PAPER 780528] p0001 A79-10399

Vibration, performance, and personality --- vibration effects on human performance and psychological factors p0190 A79-13224

Experimental and psychological investigations in aviation and astronautics --- Russian book p0041 A79-13998

Role of autogenic training in psychophysiological conditioning of aviation school students p0098 A79-21244

Engineering-psychological study of information imaging systems --- manual control of space docking p0095 A79-21004

Psychologists vs engineers --- flight simulator training requirements p0132 A79-25499

Investigation of psychological compatibility of crew members of multiseat aircraft p0166 A79-31165

Aeromedical aspects of flying training with special reference to instructor pupil relationship p0201 A79-37139

Psychological training - One of the most important factors of enhancing the safety of space flights [IFP PAPER 79-A-24] p0303 A79-53426

Judgement evaluation and instruction in civil pilot training [AD-A057440] p0119 A79-10737

Variability in human body size p0032 A79-11736

Effects of uncertainty on manual tracking performance --- visual tasks p0086 A79-15592

Masculinity, femininity, androgyny. What really works at work [AD-A0611777] p0156 A79-19683

Human processing of information and the computerized node of presentation: Ergonomic parameters [FOA-C-56018-R9] p0263 A79-29797

Psychological selection of Spacelab payload specialists: The evaluation of German applicants [DLR-FB-79-29] p0281 A79-30936

Psychological Indexes

U Psychological tests

An Air Combat Effectiveness Study /ACRES/ program p0340 A79-13222

Psychological selection of payload astronauts p0047 A79-15486

Locus of the effect of specific practice in continuous visual search p0129 A79-25099

Chromatic border distinctness - Not an index of hue or saturation differences p0139 A79-28332

A further investigation of visual dominance p0186 A79-33949

Personality characteristics of pilots on EPPS, MPI and DOEPU tests. II - Comparison among pilots, non-pilot officers and aviation students p0210 A79-38622

Relationship between the reproduction tactics and the major indices of speech retention-reproduction processes p0254 A79-66276

Design, fabrication and utility of a flight oriented performance test p0271 A79-49728

Information processing in humans, volume 3. A bibliography with abstracts [ATIS-WS-78/1154/0] p0058 A79-11710

Quantification and validation of percept-genetic defense mechanisms. A hierarchical analysis of...
PULMONARY CIRCULATION

Growth of pulmonary circulation in normal pig - Structural analysis and cardiopulmonary function

Pulmonary blood volume and interventricular circulation time in physically trained and untrained subjects

Cardiopulmonary readjustments in passive tilt

Noninvasive assessment of pulmonary hypertension using bubble ultrasonic ringing (BURP) method, part 2

Noninvasive assessment of pulmonary hypertension

A systematic approach to computer analysis of pulmonary vascular patterns

The pulmonary circulation: Studies on alveolar hypoxia and vascular smooth muscle metabolism

PULMONARY FUNCTIONS

Monitoring the state of the human airways by analysis of respiratory sound

Growth of pulmonary circulation in normal pig - Structural analysis and cardiopulmonary function

Effects of exercise, vitamin E, and ozone on pulmonary function and lipid peroxidation

Distribution of pulmonary ventilation and perfusion during short periods of weightlessness

Changes in lung volume, lung density, and distribution of ventilation during hypobaric decompression

Glucose metabolism in rat lung during exposure to hyperbaric O₂

Improved measurements of shear modulus and pleural membrane tension of the lung

Distribution of regional volumes and ventilation in excised canine lobes

A revised model of gas transport in human lungs

Pulmonary functional tolerance to ionizing radiation - An experimental study

Adaptation to chronic hypoxia in the rat - A study of pulmonary surfactant, tissue levels of superoxide dismutases and histology

Absence of effects of hypoxia on small airway function in humans

Pulmonary function and maximum exercise responses following acute ozone exposure

Lung inflanation and longitudinal distribution of pulmonary vascular resistance during hypoxia

Evidence for increased intrathoracic fluid volume in man at high altitude

Specific findings in cardiology and pulmonary function with special emphasis on assessment criteria for flying

Detection and supervision of obstructed respiratory flow in fliers. Advantages of debit-volume graphs

Long term pulmonary function patterns in the aviator: The thousand aviator study

Technical evaluation report on the Aerospace Medical Panel London Specialists' Meeting, Fall 1977 --- disease prevention, flight fitness, and findings in cardiology and pulmonary function

PULMONARY LESIONS

The effects of strong shock waves on mortality rates and percentages of pulmonary lesions in rats as a function of the number of exposures

Evidence for increased intrathoracic fluid volume in man at high altitude

Possibility of improving assessment of cardio-pulmonary function by submaximal exercise on a bicycle ergometer

PULMONARY MEDICAL PHYSICS

Changes in critical duration during dark-adaptation

PULMONARY HEALTH ASSESSMENT

The development of laser exposure limits

Suprathreshold retinal damage due to single 6 picosecond 1060 nm laser light pulses

PULMONARY RADIATION

MT ELECTROMAGNETIC PULSES

A sample volume tracking unit for pulsed Doppler echocardiography

A mechanism for high-frequency electromagnetical field-induced biological damage

PULMONARY EFFICIENCY

MT ELECTROMAGNETIC PULSES

MT PVCSECOND PULSES

MT BLOOD PUMPS

PUPIL SIZE

A method of evaluating the pupillary reaction to vestibular stimuli

Evidence for the equivalent-background hypothesis in cones --- for dark adaptation thresholds

Using color substitution pupil response to expose chromatic mechanisms

PULMONARY FILLING

MT AIR PURIFICATION

PURSUIT TRACKING

Tracking in two dimensions as a function of dimension priorities and tracking difficulty

Depth perception and manual control

Augmented feedback in adaptive motor skill training

The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing

Cross-validation of regression equations to predict performance in a pursuit tracking task

The effects of participatory mode and task workload on the detection of dynamic system failures
Contrast effects on smooth-pursuit eye movement velocity

Velocity precision in smooth pursuit eye movements

Digital man-machine control systems - The effects of preview lag

The role of perceived motion in smooth pursuit eye movements

The effect of expectations on slow oculomotor control. I - Periodic target steps. II - Single target displacements

Separation of the effects of raised ankle and core temperature on performance of a pursuit rotor task

Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft

Pilot-optimal augmentation of the air-to-air tracking task

Pursuit after-nystagmus

Effect on performance of cycling deep body temperature between 37.0 and 37.6 C

Mechanisms of the effects of vibration frequency, level and duration on continuous manual control performance

Optokinetic reactions in man elicited by localized retinal motion stimuli

A prediction model of arm push strength in the transverse plane

Pyrines

Pyridoxines

Pyrimidines

Pyridine

Pyrolysis

Statistical studies of animal response data from OSP toxicity screening test method

Renal damage in mice following exposure to the pyrolysis products of polytetrafluoroethylene

Two-week studies of survivors from exposures to pyrolysis gases

Pyrometry

5 Temperature measurement

Pyrograms

N Indoles

N Tryptophan

Qualifications

Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976

Quality

Quality of vision

Quality of water

Quality Control

Speech quality measurement

Biomedical data validation through an on-line computer system

Quantitative Analysis

Computer quantitation of angiocardiographic images eye movements

Quantitative analysis of selected bone parameters

Quantitative review of human susceptibility to magnetic fields

Quantum

2 Couplers
Electromagnetic power absorption in cylindrical tissue models excited by a loop antenna.

Mechanism of the formation of phosphenes by X-rays.

Mechanism of effects of microwaves on erythrocyte membrane.

Spermatogenesis in rats flown aboard Kosmos-690 biosatellite.

The time parameter in exposures to microwave radiation --- rodent experiments on damage and recovery.

Role of n-aminobenzoic acid in repairing DNA and long-term external gamma radiation.

Chronic exposure to gamma radiation and in the aftereffect period.

Problems related to the assessment of safe exposure levels for radio frequency and microwave radiation.

Thermal effects during the exposure of ocular fundus tissues to laser radiation.

Effect of accelerations combined with radiation on occurrence of gene mutations in the drosophila seed.

Biological effects of nonionizing electromagnetic radiation.

Biological effects of electromagnetic fields in long-, medium-, and short-wave ranges on biological objects.

Mechanism of the formation of phosphenes by X-rays.

Thermal effects during the exposure of ocular fundus tissues to laser radiation.

Biological effects of electromagnetic fields in long-, medium- and short-wave ranges on biological objects.
Use of a mathematical model of erythropoiesis for evaluation of effects of space flight factors

Studies on the microwave-induced auditory effect

[p-290599/2]

Dose-effect relationships for ultrasonic irradiation of brain tissue

[p-270822/7]

The combined effect of space flight factors and radiation on rat skeletal muscles

[p-280728/2]

Cell biology basis for the life of an organism in the radiation field

[ANL-TRANS-1152]

Biological effects of microwaves, volume 1. A bibliography with abstracts

[SIT-PS/75-01/32/9]

Biological effects of microwaves, volume 2. A bibliography with abstracts

[SIT/PS/75-01/33/7]

Space Biology and Aerospace Medicine, No. 4, 1979

[p-3010 N-79-33789]

Ultrastructure of lymph nodes of dogs exposed to long-term external gamma radiation

[p-3212 N-79-35804]

Biological effects of nonionizing electromagnetic radiation, volume 3, number 4

[AD-070242/6]

RADIATION EXPOSURE

0 RADIATION DOSAGE

Interdisciplinary and international contributions to research on biological effects of electromagnetic waves - Past performances and future challenges

[p-2129 N-79-24878]

A hazard assessment method for the U.S. Army Microwave Radiation Protection Program

[p-2129 N-79-25304]

Laser eye protection for flight personnel

[p-2135 N-79-27555]

Laser safety bioeffects research - Histopathology of retinal effects

[p-2138 N-79-28169]

No harmful effects through infrared light emitting diodes

[p-2194 N-79-33650]

Health and safety hazards associated with solar concentration systems

[p-2200 N-79-36628]

On the measurement of hazardous e.m. fields radiated through an aperture

[p-2233 N-79-42848]

Protection against laser beams

[p-2236 N-79-43609]

Pulmonary functional tolerance to ionizing radiation - An experimental study

[p-2256 N-79-46601]

Aviation and radiation hazards

[p-2271 N-79-49727]

Protection standards for microwave and radiofrequency irradiations

[p-2300 N-79-52878]


[AD-1055643]

Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

[BRL-1978-6]

Problems related to the assessment of safe exposure levels for radio frequency and microwave radiation

[ISG-P-78/7]

Dose-rate conversion factors for external exposure to photon and electron radiation from radionuclides occurring in routine releases from nuclear fuel cycle facilities

[NDSS-CE-00491]

Some considerations of hazards in the use of lasers for artsitic displays

[p-2529 N-79-28873]

RADIATION INJURIES

Effect of ultrasonic irradiation on mammalian cells and chromosomes in vitro

[p-2134 N-79-27239]

The development of laser exposure limits

[p-2181 A79-32320]

Thermally induced retina injury due to high doses of optical radiation

[p-2128 A79-50974]

Radiation lesion to liver DNA of rats exposed to radiation during flight aboard the Kosmos-690 Micosatellite

[p-2104 N-79-10702]

Effects of space flight on course of radiation lesions in rat lymphoid organs

[p-2107 N-79-16516]

Acceptable radiation levels in the ultraviolet visible infrared regions

[1ZP-1978-15]

RADIATION MEASUREMENT

A hazard assessment method for the U.S. Army Microwave Radiation Protection Program

[p-2129 N-79-25304]

Review of unfolding methods used in the US and their standardization for dosimetry

[NDWLSA-5-6503]

RADIATION MEASURING INSTRUMENTS

DT DASIMETERS

FT FIEL DETECTORS

FT INFRARED INSTRUMENTS

FT PHOTOMETERS

RADIATION MEDICINE

FT RADIOTHERAPY

Computerized positron emission tomography /PET/ for the assessment of myocardial integrity

[p-2103 N-79-51031]

RADIATION PRESSURE

AT LUMINANCE

AT LUMINOUS INTENSITY

RADIATION PROTECTION

AT RADIATION SHIELDING

A hazard assessment method for the U.S. Army Microwave Radiation Protection Program

[p-2129 N-79-25304]

Protection against laser beams

[p-2136 N-79-43609]

Protection standards for microwave and radiofrequency irradiations

[p-2130 N-79-52878]


[AD-1055643]

Antiradiation suit and other special clothing at industrial safety exhibition

[p-2155 N-79-13691]

Chemical protection against ionizing radiation: A survey of possible mechanisms

[BRIL-1977-1]

Radiation protection activities, 1977

[p-2122 N-79-17540]

Improved airline-type supplied-air plastic suit

[p-2176 N-79-21759]

Radiation protection

[p-2083 N-79-31899]

RADIATION RESISTANCE

U RADIATION TOLERANCE

RADIATION SHELTERING

Solar radiation, light protection and tanning of human skin

[BNL-1978-11580]

RADIATION SICKNESS

Intestinal autoflora as an indicator of severity of radiation lesion

[p-2121 N-79-17550]

RADIATION SOURCES

AT POINT SOURCES

RADIATION SPECTRA

AT ABSORPTION SPECTRA

AT INFRARED SPECTRA

AT IRIS SPECTRA

View of unfolding methods used in the US and their standardization for dosimetry

[NDWLSA-5-6503]

RADIATION THERAPY

Hyperthermia as an Antineoplastic Treatment Modality

[p-2107 N-79-10726]

The effect of hyperthermia on the radiation response of crypt cells in mouse jejunus

[p-2108 N-79-10731]

The design and construction of a miniature dosimeter for the study of the effects of air
RADIATION TOLERANCE

SUBJECT INDEX

RADIATION TOLERANCE

- Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength --- corneal damage
- Extrapolation of pulsed light data in scanned displays --- laser radiation eye exposure limits
- Low level laser light effects --- on vision
- Biological effects of electromagnetic fields
- Effect of microwave radiation on the resistance of rats to transverse acceleration loading
- Recovery of hemopoiesis in rats exposed to radiation during space flight
- Hyperthermia in the treatment of cancer: A review of the radiobiological basis

RADICALS

RADICALS

RADIO COMMUNICATION

- MT HYDROXYL RADICALS
- MT RADAR TELEMETRY
- MT RADIO TELEMETRY

RADIO EMISSION

- Protection standards for microwave and radiofrequency radiations

RADIO FREQUENCIES

- MT LOW FREQUENCIES
- MT MICROWAVE FREQUENCIES
- MT SUPERHIGH FREQUENCIES
- MT ULTRASONIC FREQUENCIES
- Interdisciplinary and international contributions to research on biological effects of electromagnetic waves - Past performances and future challenges
- Single frequency RF powered ECG telemetry system
- Survey of microwave and radiofrequency biological effects and mechanisms
- Radiofrequency radiation levels and population exposure in urban areas of the eastern United States

RADIO FREQUENCY DISCHARGE

- Measurements of radiofrequency field intensity in buildings with close proximity to broadcast stations

RADIO FREQUENCY WAVING

- Hyperthermia as an Antineoplastic Treatment Modality
- Temperature uniformity in hyperthermal tumor therapy
- A microangiographic study of the effect of hyperthermia on the rabbit bladder
- The combined effects of pulsed magnetic radiation (diapulse) and chemotherapy on tumor bearing mice. The measurement of rodent palatal explants as a device for measurement of the biologic effects of energetic radiation (EMR)

RADIO FREQUENCY INTERFERENCE

- MT ATMOSPHERICS
- Measurements of radiofrequency field intensity in buildings with close proximity to broadcast stations

RADIO FREQUENCY RADIATION

- MT RADIO WAVES
- MT RADIO INTERFERENCE
- MT RADIO FREQUENCY INTERFERENCE
- MT RADIO FREQUENCY INTERFERENCE

RADIO PROPAGATION

- Computerized positron emission tomography (PET) for the assessment of myocardial integrity

RADIO PROPAGATION

- Measurement of skin temperatures of active subjects by wireless telemetry

RADIO TRACKING

- MT WILDLIFE RADIOLOCATION
- MT TRACKING
- MT MILLIMETER WAVES
- MT RADIO EMISSION

RADIO WAVES

- An industrially powered telemetry system for temperature, EEG, and activity monitoring

RADIOACTIVE ISOTOPES

- MT ACETYLIC 241
- MT CARBON 14
- MT COPPER ISOTOPES
- MT POTASSIUM 40
- MT SODIUM 22
- MT TRITIUM

RADIOBIOLOGY

- Some advances in astronaut radiation dosimetry
- Life sciences and space research XVI; Proceedings of the Open Meetings of the Working Group on Space Biology, Tel Aviv, Israel, June 7-18, 1977
- An apparatus for studying electrotoretinographic responses under conditions of space flight
- Radiobiological investigations in Cosmos 782 space flight /Biobloc SFI experiment/  
- Biological study of tobacco seeds flown in the Joint Apollo-Soyuz test-project
- Genetic effects of balloon flight in Brachypodion melagonastor
- Study of specific effects of hyperfrequencies on the central nervous system. II - Exploratory research on rat /Lister/ behaviour
- Atlas of the dose characteristics of external ionizing radiation /Handbook/
- The time parameter in exposures to microwave radiation --- rodent experiments on dosage and recovery
- Electromagnetic fields and power deposition in body-of-revolution models of man
- Biological effects of electromagnetic fields
- Effect of electromagnetic fields in long-, medium-, and short-wave ranges on biological objects
- Changes in the bioelectrical activity of some cerebral structures in rabbits exposed to microwaves
- Dynamics of the impulse activity of the neurons in the posterior hypothalamus upon exposure to microwaves
- Accuracy of RGD approximasion for computing light scattering properties of diffusing and nonlinear media --- Rayleigh-Gans-Debye
- On the measurement of hazardous e.m. fields radiated through an aperture

A-168
Thermal effects during the exposure of ocular fundus tissues to laser radiation
Effects of high-LET neon /He-20/ particle radiation on the brain, eyes and other head structures of the pocket mouse - A histological study
Aviation and radiation hazards
Effect of microwave radiation on the resistance of rats to transverse acceleration loading
Time parameter in microwave irradiation - random experiments on damage and recovery
Role of L-aminobenzoic acid in repairing UV and gamma radiation damage
Space biology and aerospace medicine, vol. 12, no. 5, 1978
Laser eye protection for flight personnel, volume 1
Biological effects of laser radiation, volume 1. A bibliography with abstracts
Biological effects of laser radiation, volume 2. A bibliography with abstracts
Biological effects of microwaves, volume 1. A bibliography with abstracts
Radiography
Chemical protection against ionizing radiation: A survey of possible mechanisms
RADIOGRAPHY
Radioiodine imaging using spectral analysis - radiography for visualization of small blood vessels
Radiographic comparison of human lung shape during normal gravity and weightlessness
Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 2: Microradiographic study of cortical bone
Mineralization in teeth and jaws, as judged radiographically, in rats of the COSMOS-782 experiment
A systematic approach to computer analysis of pulmonary vascular patterns
Radioimmunoassay
Obtaining growth hormone from calf blood
RADIOLOGY
Radiological diagnosis of spinal injuries and deformities
Radiological examination of the Rachis and fitness for employment as a helicopter pilot
Vertebral pain in helicopter pilots - symptomology and radiology
Computed axial tomography (CAT)
Radiophotography
Comparative analysis of causes of animal deaths during chronic exposure to gamma radiation and the aftereffect period
Effects of long-term and chronic radiation on heparinosis
Morphological study of adrenals of rats irradiated during flight aboard Kosmos-690 satellite
Radiotherapeutic Agents
Radioactive Drugs
Radiosensitivity
Radiation Tolerance
Radiobiology
Radiation Therapy
Biological effects of argon.
Biological effects of neon isotope Ne-20. 
Biological effects of nobel gases.
Biological effects of helium.
Biological effects of inert gases and noble gases.
Biological effects of xenon.
Biological effects of neon.
Biological effects of neon isotope Ne-20.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
Biological effects of noble gases.
Biological effects of xenon.
Biological effects of helium.
Biological effects of noble gases and xenon.
BAYLEIGH SCATTERING

Studies of amino acid metabolism in the muscles of rats flown aboard the biosatellite Cosmos 782
p0230 N07-41714

Absence of gastric ulceration in rats after flight on the COSMOS 782
p0021 N07-11660

Experiment 8-002: Results of histological examination of inguinal lymph nodes, supplementary report --- COSMOS 782 satellite
p0021 N07-11662

Alterations in erythrocyte survival parameters in rats after 19.5 days aboard COSMOS 782
p0021 N07-11663

Effects of space flight on plasma and glandular concentrations of pituitary hormones --- COSMOS 782 satellite
p0021 N07-11664

Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 1: Endochondral osteogenesis; medullary bone turnover
p0022 N07-11665

Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 2: Microradiographic study of cortical bone
p0022 N07-11666

Mineralization in teeth and jaws, as deduced radiographically, in rats of the COSMOS-782 experiment
p0022 N07-11667

The lymph nodes and lymph vessels of the white rat [BLL-RTS-11309]
p0141 N07-18554

Preparation of some prostaglandin F sub 2 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on rat blood platelet aggregation
p0239 N07-26765

Influences of dietary fats on coronary flow rate and left ventricular work of the isolated rat heart
p0239 N07-26766

effects of dietary fats on the coronary flow rate and the left ventricular function of the isolated rat heart
p0239 N07-26767

RAYLEIGH SCATTERING

Accuracy of RBD approximation for computing light scattering properties of diffusing and motile bacteria --- Rayleigh-Gans-Debye
p0233 N07-42484

REACTION KINETICS

Photochemical transformations of the visual pigment rhodopsin
p0181 N07-32319

A simple analogical model for the selection of optical activity and of the most efficient catalysts in the course of molecular evolution
p0204 N07-37957

Preliminary results of Cytos experiment flows in Salyut VI - Investigations of Paramechinu aurelia
p0239 N07-41709

Polyglutaraldehyde - A new reagent for coupling proteins to microspheres and for labeling cell-surface receptors
p0274 N07-50230

Estimation of rate constants in the Michaelis-Menton model
p0307 N07-32824

REACTION TIME

Effects of information processing requirements on reaction time of the eye
p0064 N07-18219

Correlation of choice reaction time performance with biocythmic criticality and cyclo phase
p0102 N07-23477

Spatial summation in human vision - Simple reaction time measurements
p0265 N07-47115

Electrophysiological correlates of local muscular fatigue effects upon human visual reaction time
p0297 N07-52025

Target redundancy in visual search - Do repetitions of the target within the display impair processing
p0299 N07-52580

Effects of information processing requirements on reaction time of the eye
p0021 N07-11661

Directional errors of movements and their correction in a discrete tracking task --- pilot
p0080 N07-14778

SUBJECT INDEX

reaction time and sensorimotor performance
p0086 N07-15589

AAA gunner model based on observer theory --- predicting a gunner's tracking response
p0087 N07-15594

Discrete-time pilot model --- human dynamics and digital simulation
p0088 N07-15601

The effect of acceleration and seat back angle on performance of a reaction time task
p0248 N07-27857

REACTION TIME OPERATION

Piloted aircraft simulation - Advantages, disadvantages, and practical problems
p0001 N07-10407

Real-time reconnaissance systems simulator
p0039 N07-28175

Contour detector and data acquisition system for the left ventricular outline
p0071 N07-10724

REAL VARIABLES

MT LINEAR EQUATIONS

MT MEASURE AND INTEGRATION

MT WEIGHTING FUNCTIONS

REEDREATING

Analysis of Co2 differences during rebreathing due to slow pH equilibration in blood
p0067 N07-18958

RECEPTORS (PHYSIOLOGY)

MT CHEMORECEPTORS

MT GRAVIRECEPTORS

MT PHOTORECEPTORS

MT PROPRIOCEPTORS

MT THERMORECEPTORS

The sensory systems --- Russian book on neurophysiology and biophysics research
p0082 N07-14369

Effect of electroconvulsive shock on nonsensomotor receptor binding sites in rat brain
p0162 N07-29925

RECLAMATION

MT MATERIALS RECOVERY

MT WATER RECLAMATION

RECOGNITION

MT PATTERN RECOGNITION

MT SPECTRUM RECOGNITION

MT TARGET RECOGNITION

RECOMBINATION REACTIONS

Mechanisms of recombination and function of DNA in bacteria
p0072 N07-14715

RECONNAISSANCE

MT AERIAL RECONNAISSANCE

MT THERMAL RECONNAISSANCE

MT SPACE SHUTTLES

RECYCLING

Waste treatment options for use in closed systems --- in space colonies
p0187 N07-38483

Evaluation of toxic effects of organic contaminants in recycled water
p0190 N07-22760

RED BLOOD CELLS

MT ERYTHROCYTES

REDUCED GRAVITY

Effects of LDfP on catecholamines and adrenal cortex
p0110 N07-16532

REDUCTION (CHEMISTRY)

Nitrate fermentation in Clostridium perfringens and significance in metabolic evolution
p0205 N07-37966

Cardiovascular studies of reducing and oxidizing agents
p0049 N07-12682

REDUNDANCY

A model of human decision making in fault diagnosis tasks that include feedback and redundancy
p0163 N07-30222

REFERENCES (STANDARDS)

MT STANDARDS

MT ERYTHROCYTES

MT TARGET RECOGNITION

MT WATER RECLAMATION
SUBJECT INDEX

[PB-293103/0] p0243 779-27816
RESINS
WT ACRYLIC RESINS
RESOLUTION
WT HIGH RESOLUTION
WT IMAGE RESOLUTION
RESONANCE
WT ELECTRON PARAMAGNETIC RESONANCE
WT MICROWAVE RESONANCE
Electromagnetic absorption in a multilayered model of man
p0226 779-86050
RESOURCES
WT FORESTS
WT GEOTHERMAL RESOURCES
WT SPRINGS (WATER)
RESPIRATION
WT HIGH ALTITUDE BREATHING
WT PRESSURE BREATHING
Effect of decompression per se on nitrogen elimination
p0067 779-19644
Effect of physical conditioning on cardiac mitochondrial function
p0068 779-19666
Distribution of pulmonary ventilation and perfusion during short periods of weightlessness
p0068 779-19667
The effect of plasmoidal slime on the metabolism of haploid cells of Physarum flavicomum and the respiration of isolated mitochondria
p0105 779-24513
An improved method for inducing hypothermia and rewarming
p0267 779-67339
The effect of the reduction of inspired gas density on external respiration
p0296 779-51115
Influence of skin temperature on sweating and aerobic performance during severe work
p0305 779-54268
Mechanics of breathing during graded exercise measured with the bodyplethysmograph
p0029 779-11709
Density dependence of maximal inspiratory flow
p0100 779-12691
Effect on mice of microwaves in the non-thermal intensity region. Respiration, rectal temperature and mental reaction
p1020 779-17523
Regulation of the carbon dioxide tension in arterial blood during inhalation of carbon dioxide in birds and mammals
p169 779-20713
Metabolism of hydrazine
{AD-A062251} p0169 779-20716
The effects of brain ischemia on the control of breathing in unanesthetized goats
p1990 779-23624
External respiration and gas exchange reactions to exercise during rotation of man on a short-radius centrifuge
p1993 779-23639
Cardio-pulmonary response to shock
{AD-A065672} p1996 779-23659
Medical science in Siberia: Oxygen exchange in the Far North
{NASA-TM-75391} p2111 779-24630
Respiration
p2247 779-27065
Energy expenditures of man during long exposure to a periodically changing atmosphere
p3122 779-33799
External respiration and gas exchange reactions of man during rotation on a short-radius centrifuge
p3133 779-33912
RESPIRATORS
Effect of impermeable clothing and respirator on work performance. Part I: Laboratory studies
{SAND-77-2132} p0304 779-11748
RESPIRATORY DISEASES
Early detection of disease: The correlation of the volatile organic profiles from patients with upper respiratory infections with subjects of normal profiles
{NASA-CR-160100} p0121 779-17532
RESPIRATORY IMPEDANCE
Detection and supervision of obstructed respiratory flow in fliers. Advantages of

oxygen-enriched atmospheres
p0164 779-30567
Quantitative analysis of mating behavior in aging male Drosophila Melanogaster
p0252 779-44799
The effect of 1 to 5 keV electrons on the reproductive integrity of microorganisms
p0147 779-19025
REPRODUCTIVE SYSTEMS
WT TESTES
REPUBLIC MILITARY AIRCRAFT
U MILITARY AIRCRAFT
RESCUE OPERATIONS
Evaluation of the helicopter in aeromedical transfers
p0128 779-24638
Night rescue operation procedure over sea with bell OH-1D helicopters
p0148 779-19609
An evaluation of the effects of a stability augmentation system upon aviator performance/workload during a MED EVAC high hover operation
p0148 779-19612
Human exposure to mechanical vibration at lying posture in the ambulance helicopter OH-1D
p0149 779-19617
Protective approaches in the moderation of the physiological effects of extreme ambient conditions in helicopter operations
p0149 779-19618
Advanced life support equipment for nitrogen tetroxide environments
p0169 779-20432
RESEARCH
WT DYNAMIC PROGRAMMING
WT MARKET RESEARCH
WT MATHEMATICAL PROGRAMMING
WT OPERATIONS RESEARCH
RESEARCH AND DEVELOPMENT
Imagery interpreter performance in the comparison of subjective estimates of photographic image quality
p0036 779-13191
General activities related to medical research
{TWO-MF1-PR-6} p0262 779-29793
RESEARCH MANAGEMENT
Translators on USSR science and technology: Biomedical and behavioral sciences, no. 52 --- with emphasis on research management
{JPS8-72604} p0078 779-14760
A complex system for planning scientific medical research
p0078 779-14761
Problem-oriented program approach to planning and management of medicine
p0078 779-14762
New principles of automation of biomedical research
p0078 779-14763
The conception of the systems analytic approach to planning and organization of medical scientific research
p0078 779-14764
Current status and prospects of continued refinement of planning and coordination of scientific medical research
p0078 779-14765
The systems analytic approach to the problems of classification of scientific medical research
p0078 779-14766
Use of the systems analytic approach for organization and coordination of complex biomedical research
p0079 779-14767
Biomedical application in space, pilot program in the southern California region
{NASA-CR-1601711} p0195 779-23653
RESEARCH PROJECTS
Four years of color research for visual displays --- human performance consideration for use in aircraft
p0039 779-13210
Relations between research and instruction in physiology and aerospace ergonomics in the military health services
p0104 779-23960
RESERVOIRS
Effect of phosphorus supply on algal biomass in a turbid Missouri Reservoir
p0115 779-30877
Effects of nitrogen tetroxide environments
p0169 779-20432
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY PHYSIOLOGY</td>
</tr>
<tr>
<td>Monitoring the state of the human airways by analysis of respiratory sound</td>
</tr>
<tr>
<td>Blood volume and cardiorespiratory responses to lower body negative pressure</td>
</tr>
<tr>
<td>Thermoregulation in Macaca mulatta - A thermal balance study</td>
</tr>
<tr>
<td>Effects of ozone inhalation on work performance and maximal oxygen uptake</td>
</tr>
<tr>
<td>CO2 and exercise tidal volume</td>
</tr>
<tr>
<td>Mechanics of the regulation of the respiratory system in man</td>
</tr>
<tr>
<td>The physiological role of surface-active substances in the lung</td>
</tr>
<tr>
<td>Time course of O2-pulse during various tests of aerobic power</td>
</tr>
<tr>
<td>The role of lesser circulation hemodynamic changes in pulmonary gas exchange</td>
</tr>
<tr>
<td>Tissular respiration of the brain after exposure of rats to hypertoxic helium and oxygen mixtures at atmospheric and elevated pressure</td>
</tr>
<tr>
<td>Evidence for the neural regulation of respiration during low intensity exercise in man</td>
</tr>
<tr>
<td>User's instructions for the Grodins' respiratory control model using the UNIVAC 1110 remote batch and demand processing</td>
</tr>
<tr>
<td>RESPIRATORY RATES</td>
</tr>
<tr>
<td>Influence of exercise and CO2 on breathing pattern of normal man</td>
</tr>
<tr>
<td>Mathematical model of the respiratory rhythm generation process</td>
</tr>
<tr>
<td>Cardiovascular, metabolic, and respiratory responses of sedentary females to equal metabolic workloads on the bicycle ergometer and treadmill</td>
</tr>
<tr>
<td>Follow-up and transversal study of vital capacity and P3T sub values among personnel of the Belgian Army forces</td>
</tr>
<tr>
<td>RESPIRATORY REFLEXES</td>
</tr>
<tr>
<td>NT HEERING-BEEVER REFLEX</td>
</tr>
<tr>
<td>Abolition of a viscerosomatic reflex during oxygen deprivation</td>
</tr>
<tr>
<td>Evaluation of assisted positive-pressure breathing on +Gz tolerance</td>
</tr>
<tr>
<td>RESPIRATORY SYSTEM</td>
</tr>
<tr>
<td>NT TRACHEA</td>
</tr>
<tr>
<td>Growth of pulmonary circulation in normal pig - Structural analysis and cardiopulmonary function</td>
</tr>
<tr>
<td>Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances</td>
</tr>
<tr>
<td>Particle deposition due to turbulent diffusion in the upper respiratory system</td>
</tr>
<tr>
<td>Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying</td>
</tr>
<tr>
<td>Evaluation of exercise-respiratory system modifications and preliminary respiratory-circulatory system integration scheme</td>
</tr>
<tr>
<td>Physiological system integrations with emphasis on the respiratory-cardiovascular system</td>
</tr>
<tr>
<td>Investigations of respiratory control systems simulation</td>
</tr>
<tr>
<td>Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems</td>
</tr>
<tr>
<td>Techniques of cumulative quantitative characterization of the thorax using audiosonometric methods</td>
</tr>
<tr>
<td>Pneumotachographic distinctions of external respiration in man in the presence of excess intrapulmonary pressure on ground level and at high altitudes</td>
</tr>
<tr>
<td>Toxicity of oxygen mixed with helium</td>
</tr>
<tr>
<td>Respiration</td>
</tr>
<tr>
<td>RESPONSES</td>
</tr>
<tr>
<td>NT DYNAMIC RESPONSE</td>
</tr>
<tr>
<td>NT GALVANIC SKIN RESPONSE</td>
</tr>
<tr>
<td>NT HEMODYNAMIC RESPONSES</td>
</tr>
<tr>
<td>NT MODAL RESPONSE</td>
</tr>
<tr>
<td>NT PHYSIOLOGICAL RESPONSES</td>
</tr>
<tr>
<td>NT TRANSIENT RESPONSE</td>
</tr>
<tr>
<td>Effects of amphetamine on response selection and response execution processes in choice reaction tasks</td>
</tr>
<tr>
<td>REST</td>
</tr>
<tr>
<td>NT BED REST</td>
</tr>
<tr>
<td>Liab blood flow - Rest and heavy exercise in sitting and supine positions in man</td>
</tr>
<tr>
<td>Measuring systolic time intervals at rest and under stress by external methods. Advantages in the evaluation of fliers</td>
</tr>
<tr>
<td>RESTRAINTS</td>
</tr>
<tr>
<td>0 CONSTRAINTS</td>
</tr>
<tr>
<td>NT PLANE RESTRAINTS</td>
</tr>
<tr>
<td>BETADING</td>
</tr>
<tr>
<td>Suppression of the immune response by ultrasound</td>
</tr>
<tr>
<td>RETENTION (PSYCHOLOGY)</td>
</tr>
<tr>
<td>Short-term memory factors in ground controller/pilot communication</td>
</tr>
<tr>
<td>Retention and transfer of training on a procedural task interaction of training strategy and cognitive style</td>
</tr>
<tr>
<td>Individual differences in knowledge acquisition from maps</td>
</tr>
<tr>
<td>A comparison of verbal and visual imagery learning strategies: Their importance for instrumental technology</td>
</tr>
<tr>
<td>RETINA</td>
</tr>
<tr>
<td>NT NECE</td>
</tr>
<tr>
<td>NT RETINA</td>
</tr>
<tr>
<td>NT VISUAL PIGMENTS</td>
</tr>
<tr>
<td>Mechanism of the formation of phosphes by x-rays</td>
</tr>
<tr>
<td>The equivalent background and retinal eccentricity</td>
</tr>
<tr>
<td>Laser safety bioeffects research - Histopathology of retinal effects</td>
</tr>
<tr>
<td>Smooth pursuit eye movements - Is perceived motion necessary</td>
</tr>
<tr>
<td>The development of laser exposure limits</td>
</tr>
<tr>
<td>Thermal activation of the visual transduction mechanism in retinal rods</td>
</tr>
<tr>
<td>Suprathreshold retinal damage due to single 6 picosecond 1060 nm laser light pulses</td>
</tr>
</tbody>
</table>
RETINAL ADAPTATION

Responses of retinal and visual pathway potentials of the guinea pig to nitrogen and helium at high pressure

p0266 A79-87330

Therapeutically induced retina injury due to high doses of optical radiation

p0278 A79-50974

Orientation relative to the retina determines perceptual organization

p0299 A79-52530

Mechanisms of retinal damage from chronic laser radiation: Thresholds and mechanisms (AD-A058049)

p0299 A79-13689

Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation (AD-A063852)

p0189 A79-22756

Experimental and theoretical investigations concerning a frequency filter behavior of the human retina regarding electric pulse currents


RETINAL ADAPTATION

FT DARK ADAPTATION

Intrinsic noise, threshold sensitivity, and adaptation of the retina

p0043 A79-14873

Photochemical transformations of the visual pigment rhodopsin

p0181 A79-32319

Quality of retinal image stabilization during small natural and artificial body rotations in man

p0225 A79-40187

Retinal site of transient tinitus

p0256 A79-86623

Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation (AD-A063852)

p0189 A79-22756

Effects of vestibular factors on color-discriminating function of the human eye following color preadaptation

p0192 A79-23632

 Restoration of color perception after deadaptation flashes

p0193 A79-23640

RETINAL IMAGES

Contributions of the retina and of the ovoal optical system to the modulation lowering of the aerial image

p0100 A79-22771

The perceived direction of the binocular image

p0104 A79-20659

The interpretation of visual motion -- Book

p0186 A79-34024

Quality of retinal image stabilization during small natural and artificial body rotations in man

p0225 A79-40187

Motion and vision. I - Stabilized images of stationary gratings

p0278 A79-50986

Optokinetic reactions in man elicited by localized retinal motion stimuli

p0304 A79-54251

RETRIEVAL

RT INFORMATION RETRIEVAL

A head-up display for mid-air drone recovery

p0090 A79-15615

REUSABLE SPACECRAFT

RT SPACE SHUTTLES

REFERENCE TIME

RT REACTION TIME

REVIEWS

Modifications to the steady-state 41-node thermoregulatory model including validation of the respiratory and diffusional water loss equations (NASA-CR-160219)

p0219 A79-25738

SR-2 HELICOPTER

SR-1 HELICOPTER

RECOGNITION

Development and application of resistive pulse spectroscopy: Studies on the size, form and deformability of red blood cells (LABL-8640)

p0280 A79-30924

RESEARCH

Reliability of determining the cardiac output by the method of quadrupole chest impedance

p0266 A79-87330

RHEOGRAPHY

p0098 A79-21243

Possibilities and perspectives of tetrapolar transthermic impedance theophotomography in noninvasive studies of hemato- and cardiodynamics

p0296 A79-51118

RHYTHM (BIOLOGY)

FT CIRCADIAN RHYTHMS

Physiological biorythms as a correlate of pilot error accidents and incidents

p0065 A79-18228

Structure of biorythms as one of the criteria for physiological adaptability of the human organism

p0079 A79-20653

Correlation of choice reaction time performance with biorythmic criticality and cycle phase

p0182 A79-23471

Rhythms in human performance - 1-1/2-hour oscillations in cognitive style

p0210 A79-39601

RIBONUCLEIC ACIDS

Senescent changes in the ribosomes of animal cells in vivo and in vitro

p0134 A79-27226

Evolution of transfer RNA

p0226 A79-37975

Structure-stability relationship of thermophile tRNA - A model for biological adaptation and limit of life at high temperature

p0206 A79-37976

Subcellular organs and evolution of cell structure

p0206 A79-37978

Evolution of early life inferred from protein and ribonucleic acid sequences

p0206 A79-37980

RICHARDSON-DUSENBERRY EQUATION

Of TEMPERATURE EFFECTS

SLEEP QUALITY

A model for predicting human discomfort response to combined noise and vertical vibration

p0156 A79-19685

Human discomfort response to noise combined with vertical vibration [NASA-TP-1378]

p0190 A79-22761

REYNOLDS INTEGRAL

Of MEASUREMENT AND INTEGRATION

RIGID BODIES

Of RIGID STRUCTURES

Computation of rigid-body rotation in three-dimensional space from body-fixed linear acceleration measurements [ASME PAPER 79-WA/BIO-5]

p0069 A79-19759

NECK

Prospective Medicine Opportunities in Aerospace Medicine -- conferences [AGARD-CP-231]

p0206 A79-11692

Evaluation of cardiac risk and subject response to accelerative efforts

p0301 A79-11723

The impact of coronary vascular risk factors on professional aircrew license loss in the United Kingdom

p0301 A79-11724

Risks from various products used in paint spraying [ILL-ITS-11499]

p0342 A79-18569

The relationship between aerobic fitness and cardiovascular risk factors in the Canadian forces [AD-A069865]

p0316 A79-33829

RNA

Of RIBONUCLEIC ACIDS

ROBOTS

The robot’s eyes - Stereo vision system for automated scene analysis

p0084 A79-12006

Overview of the use of robots in space missions [DGLE PAPER 78-154]

p0042 A79-14099

Adaptive control of a robotic manipulator

p0046 A79-15001

Robots and artificial intelligence -- Russian book

p0061 A79-17569

Multi-PIER = A learning robot system

p0066 A79-18425

Control of robot manipulators from the modelling of their dynamics -- French thesis

p0101 A79-23427

Object-handling system for manual industry

p0101 A79-23464
Control systems for robots and manipulators --- Russian book

ISAC-1 - A color sensing robot

Adaptive locomotion of a multilegged robot over rough terrain

Robotic vision --- process control applications

Some properties of conservative systems --- walking robot model

Stabilization of the horizontal motion of a bipedal walking robot

Visually estimating workspace pose in a robot hand using the feature points method

Goal-directed mechanics of controlled manipulators --- Russian book

Stereo 3-D perception for a robot

General methods to enable robots with vision to acquire, orient, and transport workpieces

Advanced industrial robot control systems

The development of a six degree-of-constraint robot performance evaluation test

Proximity-D vision system for protolight manipulation and [NASA-CF-158552] p0177 A79-21754

ROCKET FLIGHT

Development of space biology experiments for the Space Shuttle - A student's perspective

[ASAE PAPER 78-134] p0099 A79-21252

ROCKET PROPELLED SLIDES

Performance evaluation of test dummies with flesh parts produced with substitute foaming compounds [PB-289955/6] p0179 A79-21776

RODENTS

MT NICE

MT RABBITS

MT RATS

RODS

Light adaptation in a normal and a rod monochromat - Psychophysical and VEP increment threshold comparisons p0232 A79-42238

ROLL

Application of control theory to the investigation of roll motion effects on pilot control behavior [AD-A0589231] p0209 A79-25033

Psychophysical assessment of angular vibration - Comparison of vertical and roll vibrations

The effects of closed loop tracking on a subjective tilt threshold in the roll axis

Roll tracking effects of G-vector tilt and various types of motion washout

A model for the pilot’s use of motion cues in roll-axis tracking tasks

Ergonomic research into human tolerances for roll and pitch as well as their influence on individual perception and reactions to control parameters [NASA-CP-79-18-134] p0282 A79-30948

The application of control theory to the investigation of roll motion effects on human operator performance p0299 A79-31931

ROLL CONTROL

U LATERAL CONTROL

BOODS

MT CLEAN BOODS

ROOFS OF EQUATIONS

Bandpass channels, zero-crossings, and early visual information processing [AD-A062338] p0179 A79-20724

ROTOR DRIVES

U MECHANICAL DRIVES

ROTOR WING AIRCRAFT

MT HELICOPTERS

SACCHARIDES

SACCHARIDES

MT MILITARY HELICOPTERS

MT OH-1 HELICOPTER

ROTARY WINGS

In-flight toxicology of fixed and rotary wing aircraft crew stations p0189 A79-19619

ROTATING

U ROTATION

ROTATING BODIES

MT ROTARY WINGS

Computation of rigid-body rotation in three-dimensional space from body-fixed linear acceleration measurements [ASAE PAPER 78-84/MA/DT0-5] p0069 A79-19759

ROTATING ENVIRONMENTS

Estimated body rotation as a predictor of motion sickness susceptibility p0273 A79-49990

ROTATING MIRRORS

Dynamics of an image viewed through a rotating mirror p0221 A79-36365

ROTATING VEHICLES

U ROTATING BODIES

ROTATION

U AUTO ROTATION

Quality of retinal image stabilization during small natural and artificial body rotations in man p0225 A79-80187

Modeling of visual-vestibular interaction and the fant components of nystagmus p0050 A79-12692

External respiratory and gas exchange reactions of man during rotation on a short-arm centrifuge p0014 A79-14961

ROTATIONAL FLOW

U LIQUID FLOW

ROTORS

MT ROTARY WINGS

RPV

U REMOTELY PILOTED VEHICLES

RUBBER

MT ELASTOMERS

RULES

MT INSTRUMENT FLIGHT RULES

RUNNING

Thermoregulation in swimmers and runners p0227 A79-41186

S

S BAND

U SUPERHIGH FREQUENCIES

U ULTRASHORT FREQUENCIES

SACCADIC EYE MOVEMENTS

Saccadic eye movements and visual stability p0035 A79-13075

How does the saccadic eye movement controller adapt for pathological states p0066 A79-14961

Perceptual localization, feature identification and ocular motor factors in scanning a visual display

The trajectories of saccadic eye movements

Omnidirectional increase in threshold for image shifts during saccadic eye movements

Saccadic velocity characteristics - Intrinsic variability and fatigue

Oculomotor factors in visual perceptual response efficiency

Dynamics of the eye and head during movement between displays - A qualitative and quantitative guide for designers

An analysis of the saccadic system by means of double step stimuli

Latency of peripheral saccades

Upper-velocity threshold for detection of movement

SACCHARIDES

U CARBOHYDRATES
SACCHAROMYCETES

Effects of aeration on formation and localization of the acetyl coenzyme A synthetases of Saccharomyces cerevisiae

SAFETY

NT AIRCRAFT SAFETY
NT FLIGHT SAFETY
NT INDUSTRIAL SAFETY

SAFETY DEVICES

NT AIR BAG RESTRAINT DEVICES
NT EJECTION SEATS
NT SPACE SUITS

Design considerations for inflatable head/neck restraint systems

An inflatable restraint system --- for helicopter crash protection

Oral/nasal breathing systems in the year 2000

An overview of helicopter mission specific survival equipment

Current trends in UK military aircrew survival equipment

The fitting of Canadian Forces aircrew helmets - why the difference

Whole body response research program

Test and evaluation of head restraints, seat backs, and anchorages in vehicles subjected to rear impact collision

Development of a solid propellant inflation technique for the subcompact car passenger restraint system, phase 1

Guidelines for fit testing and evaluation of USAF personal-protective clothing and equipment

A subhuman primate restraint system

SAFETY FACTORS

Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength --- corneal damage

High 'Q' escape protection --- pilot restraint during high speed ejection

The helmet protects the aviator's head - Or does it? Ejection problems and injuries - Their causes, effects, treatments, and suggestions for preventive measures

Evaluation of occupant protection devices and restraint systems

Effects of deceleration and rate of deceleration on live seated human subjects

Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

SAFETY MANAGEMENT

A hazard assessment method for the U.S. Army Microwave Radiation Protection Program

Protection standards for microwave and radiofrequency radiations

Development of recommendations to improve controls operability

SATFLIGHTS

U GLIDERS

SALINITY

The effects of temperature, salinity, and other factors on the growth and formation of V0-absorbing substances by the fungus Aspergillus

SALMONELLA

Biomedical data validation through an on-line computer system

SALYUT SPACE STATION

Preliminary results of Cytos experiment flows in Salyut VI - Investigations of Paracoccus aurelia

Physiological and ergonomic aspects of Salyt 6 cosmonauts extravehicular activity /EVA/

Man in space and on earth

Salyut-6- Soyuz-29: Our commentary, the crew and the station

Studies of microbial flora and immunity of Salyt-3 crew

Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-4 station

Studies of venous circulation in the crew of the Salyut-5 orbital station

Fluid-electrolyte metabolisms in the crew of Salyut-4

Control of vertical position after flights aboard the Salyut-4 orbital station

SAMPLES

NT RAW SURFACE SAMPLES

SAMPLING

NT AIR SAMPLING

Automated bioample sampling system facets monitoring system

SARCOMA

U CANCER

SATAN (SENSOR)

SATELLITE ORBITS

The dose rate of cosmic ray radiation received by a biological target in the stratosphere and at attitudes of satellite orbits

SATELLITE SOLAR POWER STATIONS

Health maintenance and health surveillance considerations for an SPS space construction base community

SATELLITE TEMPERATURE

Importance of temperature control for HEPLEX, a biological experiment for Spacelab 1 --- plant gravitational physiology study

SATELLITE TRACKING

Wildlife monitoring program plan

SATELLITE-BORNE INSTRUMENTS

Instrumentation for controlling and monitoring environmental control and life support systems

SATURATION

Chromatic border distinctness - Not an index of hue or saturation differences

SCALING LAWS

The measurement and scaling of workload in complex performance

SCANNING

NT RADAR SCANNING

SCATTERING

NT ACoustic scattering

NT BACKSCATTERING

NT LIGHT SCATTERING

NT RAMEG SCATTERING

NT X RAY SCATTERING

SCATTERING FUNCTIONS

Accuracy of RGD approximation for computing light
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>SENSORIMOTOR PERFORMANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>scattering properties of diffusing and motile bacteria --- Rayleigh-Gans-Debye</td>
<td><strong>SEISMOCARDIOGRAPHY</strong> Possibility of quantitative evaluation of the heart's mechanical activity from seismocardiosignals</td>
</tr>
<tr>
<td><strong>SCREW ANALYSIS</strong></td>
<td><strong>SELECTION</strong></td>
</tr>
<tr>
<td>Visual motion perception by intelligent systems</td>
<td><strong>ST PERSONNEL SELECTION</strong></td>
</tr>
<tr>
<td>A theoretical and experimental analysis of the outside world perception process</td>
<td><strong>ST PILOT SELECTION</strong></td>
</tr>
<tr>
<td><strong>SCREWDRIVERS</strong></td>
<td><strong>Visual Information Processing</strong></td>
</tr>
<tr>
<td>Effects of electromagnetic field induction on development of the green algae, <em>acnedesmus quadricauda</em> (Turpia) Breb. and composition of free amino acids in its biomass and medium</td>
<td><strong>Magnitude estimation as a hearing aid selection procedure</strong></td>
</tr>
<tr>
<td><strong>SCHEMATICS</strong></td>
<td><strong>SELF DEPLOYING SPACE STATIONS</strong></td>
</tr>
<tr>
<td>U CIRCUIT DIAGRAMS</td>
<td><strong>SPACE STATIONS</strong></td>
</tr>
<tr>
<td><strong>SCIENTISTS</strong></td>
<td><strong>SELF REGULATING</strong></td>
</tr>
<tr>
<td>Responses of teachers to aircraft noise</td>
<td><strong>U AUTOMATIC CONTROL</strong></td>
</tr>
<tr>
<td><strong>SCOPOLAMINE</strong></td>
<td><strong>SELF STABILIZATION</strong></td>
</tr>
<tr>
<td>HYOSCINE</td>
<td>Effect of psychophysiological self-regulation on emotional stability of aviation cadets in flight and on effectiveness of assimilation of flight training program</td>
</tr>
<tr>
<td><strong>SCORED</strong></td>
<td><strong>SEMICIRCULAR CANALS</strong></td>
</tr>
<tr>
<td>Development of an objective grading system along with procedures and aids for its effective implementation in flight</td>
<td>Results of tests of the equilibrium organ of candidates for payload expert for the first Spacelab mission</td>
</tr>
<tr>
<td><strong>SCORING</strong></td>
<td><strong>[DGLR PAPER 78-134]</strong></td>
</tr>
<tr>
<td>Spacelab scrubber analysis and test support</td>
<td>Biped stability considerations with vestibular models</td>
</tr>
<tr>
<td><strong>SEA GRASSES</strong></td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td>Photosynthetic carbon reduction by seagrasses exposed to ultraviolet B radiation</td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td><strong>SEA WATER</strong></td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td>Experimental approach to the chemical evolution in the primeval sea. I - Formation of amino acids and amino acid polymers in modified sea mediums</td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td>Experimental approach to the chemical evolution in the primeval sea. II - Formation of protocell-like structures 'marigranules' in a modified sea medium</td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td>Membraneous evolution in the primitive cell</td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td>Polymers produced by heating an amino acid mixture in sea water enriched with transition elements</td>
<td><strong>SEMI-POROUS DEVICES</strong></td>
</tr>
<tr>
<td><strong>SEASAT PROGRAM</strong></td>
<td><strong>SENSITIVE SENSORS</strong></td>
</tr>
<tr>
<td>Aerospace highlights and potential medical applications --- in manned space flight</td>
<td><strong>SENSORY PERCEPTION</strong></td>
</tr>
<tr>
<td><strong>SEATS</strong></td>
<td><strong>SENSIBILITY</strong></td>
</tr>
<tr>
<td>Effects of deceleration and rate of deceleration on live seated human subjects</td>
<td><strong>SENSIBILITY</strong></td>
</tr>
<tr>
<td><strong>SELECTION</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td>Effects of mathematical modeling in crashworthy helicopter seating systems</td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>SEPARATION</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td>The influence of SRF electromagnetic fields on the secretory function of the stomach</td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>SECULAR PERFORATION</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>LONG TERM EFFECTS</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>SEDIMENTS</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td>Bacteria in a North Carolina salt marsh. Standing crop and importance in the decomposition of <em>Spartina alterniflora</em></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>SEGREGATION</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
<tr>
<td><strong>SEPARATION</strong></td>
<td><strong>SENSITIVITY</strong></td>
</tr>
</tbody>
</table>

A-177
**SENSORY DEPRIVATION**

**SUBJECT INDEX**

- **SENSORY DISCRIMINATION**
  - Sensory mechanism modeling
  - Multi-channel stimulation of peripheral nerve trunks
- **SENSORY STIMULATION**
  - Evoked potential correlates of display image quality
  - Cosea recovery
  - Vestibular influences on other sensory and motor processes — human performance in flight
- **SENSORY PERCEPTION**
  - Electrophysiological correlates of local muscular fatigue effects upon human visual reaction time
  - Vestibular influences on other sensory and motor processes — human performance in flight
- **SENSORY FEEDBACK**
  - Vestibular feedback
  - A comparison of motor submodels in the optimal control model
- **SENSORY DISCRIMINATION**
  - Sensory discrimination
  - Sensory stimulation
  - Vestibular discrimination
- **SENSORY FEEDBACK**
  - Form of oculomotor activity under conditions of positive visual feedback
  - Sensory aspects of helicopter operations
  - Computer aided control of a mechanical arm
- **SENSORY PERCEPTION**
  - vestibular influences on other sensory and motor processes — human performance in flight
- **SENSORY DEPRIVATION**
  - The effects of carbon monoxide on dual-task performance
  - The effects of carbon monoxide on dual-task performance
  - Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal
  - The effects of carbon monoxide on dual-task performance

**REFERENCES**

- **BIBLIOGRAPHY**
  - Effects of carbon monoxide on dual-task performance
  - Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal
  - The effects of carbon monoxide on dual-task performance
  - Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal

**AUTHOR INDEX**

- **SENSORY DEPRIVATION**
  - Sensory mechanism modeling
  - Multi-channel stimulation of peripheral nerve trunks
- **SENSORY STIMULATION**
  - Evoked potential correlates of display image quality
  - Cosea recovery
  - Vestibular influences on other sensory and motor processes — human performance in flight
  - simulation studies
- **SENSORY PERCEPTION**
  - Electrophysiological correlates of local muscular fatigue effects upon human visual reaction time
  - Vestibular influences on other sensory and motor processes — human performance in flight
- **SENSORY FEEDBACK**
  - Vestibular feedback
  - A comparison of motor submodels in the optimal control model
  - Sensory discrimination
  - Sensory stimulation
  - Vestibular discrimination
- **SENSORY DISCRIMINATION**
  - Sensory discrimination
  - Sensory stimulation
  - Vestibular discrimination
- **SENSORY FEEDBACK**
  - Form of oculomotor activity under conditions of positive visual feedback
  - Sensory aspects of helicopter operations
  - Computer aided control of a mechanical arm
- **SENSORY PERCEPTION**
  - vestibular influences on other sensory and motor processes — human performance in flight
  - Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal
  - The effects of carbon monoxide on dual-task performance
  - Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal
  - The effects of carbon monoxide on dual-task performance

SODIUM 22
SODIUM ISOTOPES
SODIUM COMPOUNDS
SODIUM CHLORIDES
SMOKE
SLEEVES
SLEEP DEPRIVATION
The use of Na-22 as a tracer for long-term bone mineral turnover studies.
The use of Na-22 as a tracer for long-term bone mineral turnover studies.
A-181
SPACE PROBES

- Map-of-the-earth flight
- Depth perception and manual control
- Significance of motor activity for spatial hearing
- Perception of graphic displays of space
- The importance of providing stereoscopic vision in training for map-of-the-earth /HOE/ flight
- Eye movements and symmetry - Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field
- - German thesis
- The common occurrence of errors of perceived distance
- Digital color image compression in a perceptual space
- Perception of depth - Processing of simple positional disparity as a function of viewing distance
- Axioomatic summary and deductions from Hering's principles of visual direction
- A comparison of oculomotor and motion parallax cues of egocentric distance

SPACE SHUTTLE PAYLOADS

- Food packages for Space Shuttle
- Microbial Check Valve for Shuttle
- Manual maneuvering unit: User's guide
- Simple models for the shuttle remote manipulator system
- Human factors in Space vehicles and space stations
- Biomedical application in space, pilot program in the southern California region
- A system for sterilizing objects - such as water systems on the space shuttle using ethylene oxide

SPACE STATIONS

- Life sciences in the Shuttle era
- Advanced life support equipment for nitrogen systems on the space shuttle using ethylene oxide
- Space vehicle control
- Spacecraft control
- Spaceborne astronomy
- Advanced teleoperators --- remote manipulation system
- Spacelab flight unit environmental control/life support system
- Two private biological facility module in Spacelab
- An apparatus for studying electroretinographic responses under conditions of space flight
- Radiobiological investigations in Cosmos 782 space flight /Biobloc SF1 experiment/
- Biological study of tobacco seeds flown in the joint Apollo-Soyuz test-project

SPACE VEHICLE CONTROL
- Spacecraft control
- Spaceborne astronomy
- Advanced teleoperators --- remote manipulation system
- Spacelab flight unit environmental control/life support system
- Two private biological facility module in Spacelab
- An apparatus for studying electroretinographic responses under conditions of space flight
- Radiobiological investigations in Cosmos 782 space flight /Biobloc SF1 experiment/
- Biological study of tobacco seeds flown in the joint Apollo-Soyuz test-project

SPACE TRANSPORTATION
- Space vehicle control
- Spacecraft control
- Spaceborne astronomy
- Advanced teleoperators --- remote manipulation system
- Spacelab flight unit environmental control/life support system
- Two private biological facility module in Spacelab
- An apparatus for studying electroretinographic responses under conditions of space flight
- Radiobiological investigations in Cosmos 782 space flight /Biobloc SF1 experiment/
- Biological study of tobacco seeds flown in the joint Apollo-Soyuz test-project

SPACE SHUTTLES

- Food packages for Space Shuttle
- Microbial Check Valve for Shuttle
- Manual maneuvering unit: User's guide
- Simple models for the shuttle remote manipulator system
- Human factors in Space vehicles and space stations
- Biomedical application in space, pilot program in the southern California region
- A system for sterilizing objects - such as water systems on the space shuttle using ethylene oxide

SPACE SHUTTLE ORBITERS

- Food packages for Space Shuttle
- Microbial Check Valve for Shuttle
- Manual maneuvering unit: User's guide
- Simple models for the shuttle remote manipulator system
- Human factors in Space vehicles and space stations
- Biomedical application in space, pilot program in the southern California region
- A system for sterilizing objects - such as water systems on the space shuttle using ethylene oxide

SPACE SHUTTLE PAYLOADS

- Food packages for Space Shuttle
- Microbial Check Valve for Shuttle
- Manual maneuvering unit: User's guide
- Simple models for the shuttle remote manipulator system
- Human factors in Space vehicles and space stations
- Biomedical application in space, pilot program in the southern California region
- A system for sterilizing objects - such as water systems on the space shuttle using ethylene oxide

SPACE PROBES

- Map-of-the-earth flight
- Depth perception and manual control
- Significance of motor activity for spatial hearing
- Perception of graphic displays of space
- The importance of providing stereoscopic vision in training for map-of-the-earth /HOE/ flight
- Eye movements and symmetry - Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field
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- The common occurrence of errors of perceived distance
- Digital color image compression in a perceptual space
- Perception of depth - Processing of simple positional disparity as a function of viewing distance
- Axioomatic summary and deductions from Hering's principles of visual direction
- A comparison of oculomotor and motion parallax cues of egocentric distance

Abbreviations and Acronyms
Vertebral Function Research aboard Spacelab
[ASME PAPER 78-ERAS-25] p0006 A79-12519
Life sciences experiments in the first Spacelab mission
[ASME PAPER 78-ERAS-26] p0008 A79-12574
Life sciences in the Shuttle era
[ASME PAPER 78-ERAS-34] p0008 A79-12582
Support system considerations for STS biological investigations
[ASME PAPER 78-ERAS-37] p0008 A79-12584
Life support systems for biological specimens in the Shuttle/Spacelab
[ASME PAPER 78-ERAS-38] p0009 A79-12585
Aggregation of red cells and blood viscosity as models of materials experimentation in the space environment
[AIAA PAPER 79-0303] p0069 A79-19964
Experiences of a payload specialist involved with the simulated Spacelab mission ASSET II
[DGLR PAPER 78-183] p0070 A79-20024
Development of space biology experiments for the Space Shuttle - A student's perspective
[AAS PAPER 78-1134] p0099 A79-21252
The European life sciences experiments onboard the first Spacelab mission
p100 A79-22250
Some comments on interpretations of Viking biological experiments
p0255 A79-66465
US experiments flown on the Soviet Satellite COSMOS 782
US experiments flown on COSMOS 782
p0200 A79-11652
Experiment K-002: Results of histological examination of inguinal lymph nodes, supplementary report --- COSMOS 782 satellite
p0201 A79-11662
Effects of space flight on plasma and glandular concentrations of pituitary hormones --- COSMOS 782 satellite
p0201 A79-11664
Mineralization in teeth and jaws, as judged radiographically, in rats of the COSMOS-782 experiment
p0222 A79-11667
US experiments flown on the Soviet satellite COSMOS 936
The Cosmos 936 mission
p0203 A79-11672
BIOSPEX: Biological space experiments, a compendium of life sciences experiments carried on US spacecraft
SPACECRAFT CABIN ATMOSPHERES

The Spacelab flight unit environmental control/life support system
[ASME PAPER 78-ERAS-14] p0007 A79-12563
Medical characteristics of the Spacelab life support system
[DGLR PAPER 78-130] p0061 A79-16002
Characteristics of bacterial aerosol in airtight rooms occupied by humans
p0016 A79-10715
Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft
p0072 A79-14720
Flight prototype CO2 and humidity control system
p0222 A79-25760
SPACECRAFT COMPONENTS

SPACECRAFT STERILIZATION

Ecology and thermal inactivation of microbes in and on interplanetary space vehicle components
Spacelab scrubber analysis and test support
SPACECRAFT CONTROL

Operator performance and localized muscle fatigue in a simulated space vehicle control system
p0214 A79-24653
SPACECRAFT DESIGN

ECLSS definition for a low cost space construction base --- Environmental Control Life Support Systems
Extended duration Orbiter life support definition
[ASME PAPER 78-ERAS-42] p0009 A79-12598
Spacelab and beyond - Bioscience problems in the use of space
[DGLR PAPER 78-129] p0041 A79-14081
Waste treatment options for use in closed systems --- in space colonies
[AIAA PAPER 79-1409] p0187 A79-34843
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US experiments flown on COSMOS 782
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p0244 A79-27821
Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite
p0244 A79-27822
Tissue metabolism in mixed type fibers of rat skeletal muscles after flight aboard Cosmos-690 biosatellite
p0244 A79-27823
Immunochemical reactivity of rats flown aboard Cosmos-605 and Cosmos-690 biosatellites
p0244 A79-27824
Technology advancement of an oxygen generation subsystem
[NASA-CP-10256] p0261 A79-28883
SPACECRAFT MODULES

Two private biological facility module in Spacelab
[IAP PAPER 78-70] p0003 A79-11229
Computer aided control of a mechanical arm
p0275 A79-50334
SPACECRAFT ORBITAL ASSEMBLY

O ORBITAL ASSEMBLY
SPACECRAFT ORBITS

O SATELLITE ORBITS
SPACECRAFT PRELAUNCH TESTS

O SPACE VEHICLE CHECKOUT PROGRAM
SPACECRAFT STERILIZATION

A system for sterilizing objects --- such as water systems on the space shuttle using ethylene oxide
[NASA-CASE-KSC-11005-1] p0318 A79-33848
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
<th>STRESS (PSYCHOLOGY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium ions in Halobacterium halobius</td>
<td>Medical qualification procedures for hazardous-duty aeroelastic research</td>
</tr>
<tr>
<td>Translocation stoichiometrics and apparent cooperativity</td>
<td>[p0026 W79-11695]</td>
</tr>
<tr>
<td>STOMACH</td>
<td>Gas exchange under environmental stresses</td>
</tr>
<tr>
<td>Imidacloprid—antihistamine combination for gastric ulceration control</td>
<td>[p0056 W79-13697]</td>
</tr>
<tr>
<td>The influence of SHF electromagnetic fields on the secretory function of the stomach</td>
<td>[p0056 W79-13699]</td>
</tr>
<tr>
<td>STABILITY</td>
<td>Stress in air traffic controllers: A reevaluation of 32 controllers 5 to 9 years later</td>
</tr>
<tr>
<td>Gas diffusion liquid storage bag and method of use for storing blood</td>
<td>[FAA-AAM-78-40]</td>
</tr>
<tr>
<td>STRESS (PHYSIOLOGY)</td>
<td>Implementation of a divisional aviation program to decrease flight crew fatigue</td>
</tr>
<tr>
<td>Maximizing storage stability of foods to be used for reassembly in a controlled ecological life supply system: Evaluation of research</td>
<td>[p0144 W79-18583]</td>
</tr>
<tr>
<td>Storage tanks</td>
<td>Stress factors on pilot performance: A bibliography with abstracts [p0145 W79-18589]</td>
</tr>
<tr>
<td>A system for sterilizing objects such as water</td>
<td>Human exposure to mechanical vibration at lying posture in the ambulance helicopter UN-10</td>
</tr>
<tr>
<td>[NASA-CASE-KSC-11085-1]</td>
<td>Profile of a divisional aviation program to decrease flight crew fatigue [p0149 W79-19617]</td>
</tr>
<tr>
<td>STRAIN GAGES</td>
<td>Fighter index of thermal stress: Relation to weather conditions at ATC and TAC bases [p0150 W79-19624]</td>
</tr>
<tr>
<td>In-vivo bone strain telemetry in monkeys</td>
<td>Effects of fatigue on human behavior and performance: A bibliography with abstracts [p0174 W79-20748]</td>
</tr>
<tr>
<td>STRESS</td>
<td>Cardiac adaptation to endurance training: Determined by echocardiography and electrocardiography</td>
</tr>
<tr>
<td>SUBSTRATES</td>
<td>[p0194 W79-23640]</td>
</tr>
<tr>
<td>STRATOSPHERE</td>
<td>Stress and fatigue in the driving environment --- physiological and psychological effects of heat and noise experienced inside an automobile [p0211 W79-24629]</td>
</tr>
<tr>
<td>Radiation</td>
<td>Design specification for the whole-body algorithm [p0212 W79-24641]</td>
</tr>
<tr>
<td>The dose rate of cosmic ray radiation received by a biological target in the stratosphere and at altitudes of satellite orbits</td>
<td>Stress and simulation in pilot training [AD-AR-79-4670]</td>
</tr>
<tr>
<td>STRATOTANKER AIRCRAFT</td>
<td>[p0222 W79-25757]</td>
</tr>
<tr>
<td>3 C-135 AIRCRAFT</td>
<td>Effects of vibration on the human organism [p0249 W79-27862]</td>
</tr>
<tr>
<td>STRENGTH OF MATERIALS</td>
<td>Stress management: A comparison of educational, aerobic and autogenic approaches [p0260 W79-28785]</td>
</tr>
<tr>
<td>STRESS (PHYSIOLOGY)</td>
<td>Stress factors on pilot performance: Citations from the International Aerospace Abstracts data base [p0260 W79-28878]</td>
</tr>
<tr>
<td>NT ACCELERATION STRESSES (PHYSIOLOGY)</td>
<td>Medical and operational factors of accidents in advanced fighter aircraft [p0290 W79-31944]</td>
</tr>
<tr>
<td>NT CENTRIFUGAL STRESSES</td>
<td>The causes of decrements in aircrew performance and physiological changes produced by vibration and other environmental stresses and response of the cardiovascular system to vibration and combined stress [AD-AR-79-40579]</td>
</tr>
<tr>
<td>STRESS</td>
<td>[p0318 W79-33845]</td>
</tr>
<tr>
<td>Heat transfer and temperature distribution in the human body</td>
<td>STRESS (PSYCHOLOGY)</td>
</tr>
<tr>
<td>Effect of water and electrolyte replacement during exercise in the heat on biochemical indices of stress and performance</td>
<td>Mental work and emotions --- Russian book [p0002 A79-10847]</td>
</tr>
<tr>
<td>[p0127 W79-24629]</td>
<td>Sustained operations and sleep deprivation --- Effects on indices of stress [p0009 A79-12859]</td>
</tr>
<tr>
<td>Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads</td>
<td>Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads [p0160 W79-29270]</td>
</tr>
<tr>
<td>Conjoint effect of physical stress and noise stress on information processing performance and cardiac response</td>
<td>Conjoint effect of physical stress and noise stress on information processing performance and cardiac response [p0161 W79-29715]</td>
</tr>
<tr>
<td>Cardiac response to whole-body heating</td>
<td>Cardiac changes during behavioral stress in dogs [p0165 W79-30663]</td>
</tr>
<tr>
<td>Energetic aspects of adaptation --- Russian book on metabolic response to stress</td>
<td>Cardiac changes during behavioral stress in dogs [p0165 W79-30663]</td>
</tr>
<tr>
<td>Predicting coronary artery disease with treadmill stress testing: Changes in R-wave amplitude compared with ST segment depression</td>
<td>Psychosocial aspects of syncope and vertigo in aircrew [p0200 W79-36575]</td>
</tr>
<tr>
<td>[p0186 W79-39284]</td>
<td>Life stress, organizational stress, and job satisfaction [AD-AR-79-40515]</td>
</tr>
<tr>
<td>STRESS</td>
<td>Effects of fatigue on human behavior and performance: A bibliography with abstracts [p0057 W79-13706]</td>
</tr>
<tr>
<td>Predictive accuracy of Q-X/Y-Q-T ratio, Q-Tc • interval, S-T depression and R wave amplitude during stress testing --- heart pathology</td>
<td>Effects of fatigue on human behavior and performance: A bibliography with abstracts [p0057 W79-13707]</td>
</tr>
<tr>
<td>[p0225 W79-40464]</td>
<td>[p027 W79-11701]</td>
</tr>
<tr>
<td>Response of women mountaineers to maximal exercise during hypoxia</td>
<td>[p027 W79-11701]</td>
</tr>
<tr>
<td>[p023a W79-43201]</td>
<td>Life stress, organizational stress, and job satisfaction [AD-AR-79-40515]</td>
</tr>
<tr>
<td>Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding</td>
<td>Methodology to assess psychological stress and its impact in the air combat environment [AD-AR-79-40514]</td>
</tr>
<tr>
<td>Comparative study of hypoxia and other non-invasive stress tests for evaluation of ischemic heart disease</td>
<td>Effects of fatigue on human behavior and performance: A bibliography with abstracts [p0057 W79-13707]</td>
</tr>
<tr>
<td>Electrocardiographic investigation of sleep during work-shift regime and production-induced emotional stress</td>
<td>[p027 W79-11701]</td>
</tr>
</tbody>
</table>
Evaluation of exercise-respiratory system modification and preliminary respiratory-circulatory system integration scheme (NASA-CR-160221)

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems (NASA-CR-160223)

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems (NASA-CR-160223)

Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems (NASA-CR-160223)
TARGET RECOGNITION

Target-terrain classification and detection performance --- visual tasks

The relationship between Air Combat Maneuvering range (ACMR) output measures and initial visual acquisition performance

A study of pilot/observed interaction in aligning a helicopter with a target

LATENT RECOGNITION

Target-detection performance --- to assess aerial photos for tanks

Peripheral acuity and photointerpretation performance

Dynamics of an image viewed through a rotating mirror

Effects of stimulus onset and image motion on contrast sensitivity

The effect of increased monitoring load on vigilance performance using a simulated radar display

Pursuit after-nystagmus

Latency of peripheral saccades

Target redundancy in visual search - Do repetitions of the target within the display impair processing

The behavior of observers in detecting unbrieled targets at different aircraft speeds with side-looking radar

Evaluation of four target-identification training techniques

A review of individual performance in air-to-ground target detection and identification studies

Estimation of aircraft target motion using pattern recognition orientation measurements

TARGET SIMULATORS

Visual search for complex targets

Predicting aircraft detectability

TARGETS

The relationship between Air Combat Maneuvering range (ACMR) output measures and initial visual acquisition performance

TASK COMPLEXITY

Development and transfer of timesharing skills --- human multiple task performance

The application of computer aided evaluative techniques to system test and evaluation --- of fighter aircraft pilot performance

Tracking in two dimensions as a function of dimension priorities and tracking difficulty

The event related cortical potential as an index of task workload

Response surface methodology as a manipulator of complex task difficulty --- for computer generated aircraft area navigation control-display systems evaluation

Task taxonomy - Two ignored issues --- criteria for task evaluation with respect to empirical data

TASK FUNCTIONAL DEMANDS AS FACTORS IN DUAL-TASK PERFORMANCE

The man-computer division of tasks in the case of the control of complex technical systems --- applied to aircraft

An algorithm to ascertain critical regions of human tracking ability

Measurement and scaling of workload in complex performance

A preliminary study of the air traffic controller's 'picture'

Visual search for complex targets

Pilot workload in the aircraft of the future

Pilot workload during final approach in congested airspace

MODELING THE HUMAN AS A CONTROLLER IN A MULTITASK ENVIRONMENT

Prospects of a mathematical theory of human behavior in complex man-machine systems tasks --- time sharing computer analogy of automobile driving

Petri nets as a modeling tool for discrete concurrent tasks of the human operator --- describing sequential and parallel demands on human operators

A model for dynamic allocation of human attention among multiple tasks

A model of human event detection in multiple process monitoring situations

A quasi-linear control theory analysis of timesharing skills

Two measures of performance in a peg-in-hole manipulation task with force feedback

Task complexity and 24-hr performance patterns in morning and evening active subjects

Time-sharing ability in complex human-machine system tasks

Simulated EVA operation of a remote connector manipulator task with force feedback

Task planning and 24-hr performance patterns in morning and evening active subjects

Time-sharing ability in complex human-machine system tasks

Performance and workload analysis of inflight helicopter missions

A-193
<table>
<thead>
<tr>
<th>SUBJECT INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telemedicine: An expanding new science on land and sea</td>
</tr>
<tr>
<td>Telehealth handbook: A guide to telecommunication technology for rural health care</td>
</tr>
<tr>
<td>TELEMETRY</td>
</tr>
<tr>
<td>U TELEMETRY</td>
</tr>
<tr>
<td>TELESCOPES</td>
</tr>
<tr>
<td>An interface evaluation of the EM-29 protective mask and the AM-15 telescopic sight unit</td>
</tr>
<tr>
<td>TELETYPEWRITERS</td>
</tr>
<tr>
<td>Modeling and analysis of man-machine interface information</td>
</tr>
<tr>
<td>TELEVISION CAMERAS</td>
</tr>
<tr>
<td>The robot's eyes - Stereo vision system for automated scene analysis</td>
</tr>
<tr>
<td>TELEVISION EQUIPMENT</td>
</tr>
<tr>
<td>NT TELEVISION CAMERAS</td>
</tr>
<tr>
<td>TELEVISION SYSTEMS</td>
</tr>
<tr>
<td>NT COLOR TELEVISION</td>
</tr>
<tr>
<td>NT STEREOTELEVISION</td>
</tr>
<tr>
<td>A visual simulator with transformation of the perspective in the center of television pictures --- German book on pilot training systems</td>
</tr>
<tr>
<td>Telemedicine: An expanding new science on land and sea</td>
</tr>
<tr>
<td>TELLEGON THEORY</td>
</tr>
<tr>
<td>U NETWORK ANALYSIS</td>
</tr>
<tr>
<td>TEMPERATURE REGIONS</td>
</tr>
<tr>
<td>Deconditioning-induced exercise responses as influenced by heat acclimation</td>
</tr>
<tr>
<td>TEMPERATURE</td>
</tr>
<tr>
<td>NT AMBIENT TEMPERATURE</td>
</tr>
<tr>
<td>NT ATMOSPHERIC TEMPERATURE</td>
</tr>
<tr>
<td>NT BODY TEMPERATURE</td>
</tr>
<tr>
<td>NT LOW TEMPERATURE</td>
</tr>
<tr>
<td>NT SATELLITE TEMPERATURE</td>
</tr>
<tr>
<td>NT SKIN TEMPERATURE (BIOLOGY)</td>
</tr>
<tr>
<td>NT SUBZERO TEMPERATURE</td>
</tr>
<tr>
<td>NT WATER TEMPERATURE</td>
</tr>
<tr>
<td>TEMPERATURE CONTROL</td>
</tr>
<tr>
<td>Physiological requirements for design of environmental control systems - Control of heat stress in high-performance aircraft</td>
</tr>
<tr>
<td>Simulation and control of a human temperature regulation system</td>
</tr>
<tr>
<td>Temperature differences</td>
</tr>
<tr>
<td>U TEMPERATURE GRADIENTS</td>
</tr>
<tr>
<td>TEMPERATURE DISTRIBUTION</td>
</tr>
<tr>
<td>The local and time-dependent temperature field in the body of a homothermic organism in case of sudden changes of quantity and local</td>
</tr>
</tbody>
</table>
distribution of internal heat production

Apparatus for supplying conditioned air at a substantially constant temperature and humidity

[NAVY-CASE-85C-1291-1] p0097 879-15688

TEMPERATURE EFFECTS

A composite view of task performance in hot environments

Temperature effect of muscular work in the white rat during hypoxia

p0097 879-20654

Discrimination, temperature, and time of day --- human performance variances

p0161 879-29718

Characteristics of EEG changes in rabbits in response to local cooling or heating of the central thermoregulatory area

p0221 879-36097

Thermal activation of the visual transduction mechanism in retinal rods

p0230 879-87765

Separation of the effects of raised skin and core temperature on performance of a pursuit task

p0234 879-83204

Relationship between thermogenic drinking and plasma resin activity in the rat

p0235 879-83211

Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft

p0236 879-86675

Temperature effects on shape and function of human granulocytes

[AD-A063750] p0199 879-22757

Effects of sleep at altered ambient temperatures on electrophysiological sleep and thermoregulatory mechanisms in human subjects and in the ground squirrel (Citellus lateralis)

p0216 879-25709

TEMPERATURE FIELDS

U TEMPERATURE DISTRIBUTION

Temperature gradients

Effect of cockpit temperature gradients on the validity of single-point measurements

p0234 879-83203

TEMPERATURE INDICATORS

U INDICATING INSTRUMENTS

U TEMPERATURE MEASURING INSTRUMENTS

TEMPERATURE INSTRUMENTS

U TEMPERATURE MEASURING INSTRUMENTS

TEMPERATURE INVERSIONS

U TEMPERATURE MEASURING INSTRUMENTS

U INDICATING INSTRUMENTS

TEMPERATURE MEASUREMENT

Core temperature measurement in man

Measurement of skin temperatures of active subjects by wireless telemetry

p0010 879-12862

Effect of cockpit temperature gradients on the validity of single-point measurements

p0011 879-12872

Pattern of heat loss from a subject wearing CF temperate-climate combat clothing

[AD-A057786] p0093 879-15636

TEMPERATURE MEASURING INSTRUMENTS

Temperature changes during exercise measured by thermoscopy

p0235 879-83209

Microwave thermography: Physical principles and diagnostic applications

p0083 879-15567

TEMSILE STRESS

Investigation of blood subjected to volume tension

p0275 879-50261

TERMINAL CONFIGURED VEHICLE PROGRAM

Advanced transport operation effects on pilot scan patterns

p0295 879-51098

Evaluation of display and control concepts for a terminal configured vehicle in final approach in a windshear environment

p0090 879-15616

TERMINAL GUIDANCE

Adaptive control of a robotic manipulator

Terminal guidance sensor system

[NAVY-CASE-R-05-18021-1] p0174 879-20746

TEXTURES

Texture contours can facilitate stereopsis by initiating vergence eye movements

p0270 879-48816

Experiments in texture perception

[AD-A055608] p0086 879-15587
Using color substitution pupil response to expose chromatic mechanisms p0265 A79-47116
Direction-selective adaptation with very slow motion p0265 A79-47118
Effect of adaptation level on certain visual functions in man p0296 A79-51328
Upper-velocity threshold for detection of movement p0299 A79-52541
Arousal from sleep by emergency alert: Implications from the scientific literature [P=8-28404/5] p0051 N79-12700
Predicating models and thresholds of motion perception. Result of tests in a flight simulator [VTM-LN-265] p0146 N79-18595
Predicting individual listener confusions in the classification of complex, steady-state sounds [AD-A066704] p0222 N79-25755
Human Factors Aspects of Aircraft Accidents and Incidents [AGARD-CP-254] p0290 N79-31942
Thrombosis Effects of dietary fats on atherosclerosis and thrombosis p0240 N79-26776
The effect of infection with herpes simplex virus types 1 and 2 on cell DNA synthesis and thymidine kinase activities in cultured human cells p0141 N79-18558
3'-5 cyclic AMP content in rat tissues during hypoxic adaptation and gamma irradiation p0069 N79-19426
Thyroid gland Effect of hypoxia on mechanical properties of hyperthyroid cat papillary muscle p0296 A79-51111
Morphological distinctions of the rat thyroid and parathyroid following long-term space flights p0246 N79-27835
Tinea In-vivo bone strain telemetry in monkeys /M. nemestrina/ p0002 A79-10608
Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 2: Microradiographic study of cortical bone p0022 N79-11666
Tilt U ATTITUDE (INCCLINATION)
Tilting U ATTITUDE (INCCLINATION)
Time RT REACTION TIME Concept definition for an extended duration orbiter ECLS [NASA-CR-160164] p0197 N79-23666
Time Delay U TIME DELAY
Time Dependence A composite view of task performance in hot environments p0036 A79-13186
Discrimination, temperature, and time of day --- human performance variances p0161 A79-29718
A study of the available evidence on duration effects on comfort and task proficiency under vibration p0254 A79-46399
Time Discrimination Carbon monoxide and human time discrimination - Failure to replicate Beard-Wertheim experiments p0102 A79-23872
Time Functions Discrete time modeling of heavy transport plane pilot behavior p0110 N79-17508
Time Delay Perceptual delay - A consequence of metacortex and apparent motion p0035 A79-13183
A comparison of control modes for time-delayed remote manipulation p0163 A79-30223
Influence of light adaptation on dark adaptation time for pattern recognition tasks [PB-31] p0316 N79-33835
Time Measurement Time estimation as a technique to measure workload --- of aircraft pilot in flight simulation p0062 A79-18203
Spatial summation in human vision - Simple reaction time measurements p0265 A79-47115
Pilot workload during final approach in congested airspace p0296 A79-48014
Time estimation as a secondary task to measure workload: Summary of research p0093 N79-15634
Time Response The problem of optimally fast response as solved by the nerve cell p0166 N79-31179
Visual search for complex targets p0208 A79-38357
Regression models of search time for color-coded information displays p0209 A79-38359
Time Series Analysis Simulation study on time series of heart responses p0037 A79-13197
Time Sharing Development and transfer of timesharing skills --- for multiple task performance p0035 A79-13184
Tracking in two dimensions as a function of dimension priorities and tracking difficulty p0036 A79-13193
Time-sharing is not a unitary ability [AD-A056632] p0019 N79-10739
Prospects of a mathematical theory of human behavior in complex man-machine systems tasks --- time sharing computer analog of automobile driving p0088 N79-15599
A quasi-linear control theory analysis of timesharing skills p0115 N79-17479
Timing U TIME MEASUREMENT
Tissues (Biology) Electromagnetic power absorption in cylindrical tissue models excited by a loop antenna p0136 N79-27059
Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen p0164 A79-30655
Biological effects of electromagnetic fields p0184 N79-33711
The effect of hyperoxia on the oxygen tension of blood and cerebral tissue p0208 A79-38146
Moving phase transitions in laser-irradiated biological tissue p0228 A79-41478
Application of similarity transformation to unsteady state heat migration problems in human skin and subcutaneous tissues p0233 A79-42932
Determination of cerebral and neck subcutaneous tissue P02 with 3 and 4 +Gz in M. mulatta p0234 A79-42035
Response of crown gall tissue to the space environment: Residual carbohydrates in supporting tissue --- COSMOS 782 p0020 N79-11653
Response of crown gall tissue to the space environment: Tumor development and anatomy --- COSMOS 782 p0020 N79-11654
Responses of crown gall tissue to the space environment: Glutamine synthetase activity --- cosmon 782 p0020 N79-11655
Responses to crown gall tissue to the space environment: Enzyme patterns --- cosmea 782
p0020 N79-11656

Diffraction-based characterization of biological tissue with ultrasound --- acoustic scattering from liver tissue
p0054 N79-13683

Effects of intermittent magnetic field on activity of carbohydrate metabolism enzymes and oxygen uptake in testicular tissue
p0075 N79-14738

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-MPO-13395-1]
p0077 N79-14751

Microwave and RF dosimetry
p0083 N79-15561

Electric field measurements within biological media
p0083 N79-15562

Raan and infrared investigations of the nature of intracellular water
[AD-A061254]
p0120 N79-17522

Mathematical studies of oxygen transport to tissue
p0170 N79-20723

Electrical parameter values of some human tissues in the radiofrequency radiation range
[AD-A064202]
p0189 N79-22754

Tissular blood clotting factors of vascular walls and myocardium during hypokinesia
p0194 N79-23644

Application of pattern recognition to ultrasonic tissue characterization
p0194 N79-23647

An investigation of the pulse-scatter imaging technique for medical ultrasonic imaging and tissue characterization
p0211 N79-20628

Strontium metabolism in the rebuilding of skeletal tissue
[NASA-CR-160195]
p0216 N79-25713

Multifunctional transducer
[NASA-CASE-MPO-13390-1]
p0219 N79-25737

Bone-effect relationships for ultrasound irradiation of brain tissue
p0242 N79-27812

Preparation of guinea pig macrophage for electrophoretic experiments in space
[NASA-CR-150777]
p0243 N79-27814

Tissular metabolism in mixed type fibers of rat skeletal muscles after flight aboard Cosmos-690 biomonoplane
p0248 N79-27823

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-MPO-13391-1]
p0246 N79-27836

Ultrasonic tissue characterization II
p0316 N79-33836

TOCOMPHIL
Effects of exercise, vitamin E, and ozone on pulmonary function and lipid peroxidation
p0067 N79-18965

TOLERANCES (MECHANICS)

NT IMPACT TOLERANCES

TOLERANCES (PHYSIOLOGY)

NT ACCELERATION TOLERANCE

NT ALTITUDE TOLERANCE

NT COLD TOLERANCE

NT HEAT TOLERANCE

NT HUMAN TOLERANCES

NT RADIATION TOLERANCE

Survival and protection of aircrew in the event of accidental immersion in cold water
[AGARD-AD-211/ENG]
p0196 N79-23661

Animal endurance to recurrent impact accelerations
p0246 N79-27833

TOCOMPHIL
Digital enhancement of computerized axial tomography
p0004 N79-11546

High-speed computerized tomography
p0004 N79-12030

A binocular stereoscopic display system for echocardiography
p0130 N79-26072

Computerized positron emission tomography /PET/ for the assessment of myocardial integrity
p0293 N79-51031

Current status of cardiovascular imaging by transmission computed tomography
p0294 N79-51032

Computed axial tomography (CAT)
[ISS-R-78-A]
p0262 N79-29791

TOMOGRAPHY

U INTRACARDIAC PRESSURE

U PRESSURE MEASUREMENTS

TONGUE

U MUSCULAR TONGUE

TOPOGRAPHY

TERRAIN

TORSION

Passive resistive torques about long bone axes of major human joints
p0298 N79-52283

A quasi-linear control theory analysis of timesharing skills
p0120 N79-17520

TOUCH

U TACTILE DISCRIMINATION

TOWED TARGETS

U TARGETS

TOXIC DISASES

U CARBON MONOXIDE POISONING

TOXIC HAZARDS

A literature review-problem definition studies on selected toxic chemicals. Volume 1: Occupational health and safety aspects of diesel fuel and white smoke generated from it
[AD-A056018]
p0025 N79-11666

A preliminary toxicological study of silastic 386 foam elastomer: catalyst (LA-7366-M5)
p0071 N79-19714

Effect of hypokinesia on animal resistance to chemical agents
p0109 N79-16520

p0123 N79-17542

In-flight toxicology of fixed and rotary wing aircraft crew stations
p019 N79-19619

Report of the Workshop on Biological Screening Tests
[PB-294303/3]
p0279 N79-30916

Mutagenic components of alternate energy sources
[CONP-780636-8]
p0280 N79-30923

TOXICITY

U CARBON MONOXIDE POISONING

Statistical studies of animal response data from DSP toxicity screening test method
p0066 N79-18305

Mechanism of the effect of oxygen toxicity on the energy metabolism
p0160 N79-29275

Morphological and biochemical effects of oxygen toxicity
[AD-A056778]
p0018 N79-10734

A literature review-problem definition studies on selected toxic chemicals. Volume 2: Occupational health and safety aspects of phosphorus smoke compounds
[AD-A056019]
p0025 N79-11685

Zinc
[PB-205130/1]
p0057 N79-13704

Risks from various products used in paint spraying
[BLL-HTS-11499]
p0142 N79-18569

Allergy to lanolin
[BLL-HTS-11185]
p0142 N79-18570

Citric acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms
[PB-280860/5]
p0170 N79-20718

Methods for measuring the acute toxicity of effluents to aquatic organisms
[PB-280860/8]
p0170 N79-20719

Orenburg symposium on mycoxotis
p0175 N79-21749

Effects of heavy metals especially selenium, vanadium and titanium on movement, growth and survival of certain animal aquatic life
[PB-292563/6]
p0197 N79-25706

Acute toxicity of a number of chemicals of interest to the Air Force
[AD-A067313]
p0220 N79-25742

Toxicity of oxygen mixed with helium
[AD-A068596]
p0245 N79-27829

Toxicity of high density jet fuel components
[PB-294303/3]
p0259 N79-28870

Report of the Workshop on Biological Screening Tests
[PB-294303/3]
p0279 N79-30916
VISUAL DISPLAYS

Recognition by the human eye of colored symbols on different backgrounds
Chromatic border distinctness - Not an index of hue or saturation differences
Discrimination, temperature, and time of day — human performance variances
The visual perception of motion in depth
The relative effects of multiple factors on target acquisition — by combat pilots
Mutual repulsion between moving visual targets
Upper-velocity threshold for detection of movement
Contrast sensitivity of the human eye to various display phosphor types
Translations on SSR science and technology; Biomedical and behavioral sciences, no. 51
Visual information processing
The relationship between air combat maneuvering range (ACMR) output measures and initial visual acquisition performance
Effects of vestibular factors on visual information processing
Undergraduate pilot training: Visual discrimination pretraining for land task
The role of cognitive switching in head-up displays — to determine pilot ability to accurately extract information from either of two sources
Visual displays
Visits

VISUAL FIELDS

Apparent saturation of blue-sensitive cones occurs at a color-opponent stage
Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix
Eye movements and symmetry — Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field — German thesis
The common occurrence of errors of perceived distance
The equivalent background and retinal eccentricity
Useful visual field size for pattern perception
Stereo 3-D perception for a robot

VISUAL FLIGHT

Flight management research utilizing an oculometer — pilot scanning behavior during simulated approach and landing
Choice and techniques of analysis of indices for the perception of visual information. III — by pilots
Visual workload of the copilot/navigator during terrain flight
Oculomotor performance of aviators during autorotation maneuver in a helicopter simulator
Visual performance/workload of helicopter pilots during instrument flight

VISUAL OBSERVATION

Focus of the effect of specific practice in continuous visual search
A two-stage model of visual search

SUBJECT INDEX

Advanced transport operation effects on pilot scan patterns
Two dimensional eye tracking: Sampling rate of focusing function
Head tracking at large angles from the straight ahead position
Airline pilot scan patterns during simulated ILS approaches
Visual search performance during simulated radar observation with and without a sweepline
Visual perception
MT CRITICAL PLANNER FUSION
MT SPACE PERCEPTION
MT VISUAL DISCRIMINATION

Perceptual delay — A consequence of metacognition and apparent motion
Role of the frontal associative region of the visual sensory systems
Selection and techniques for analysis of indices of visual data reception. II — aircraft pilot eye movements
Perceptual localization, feature identification and ocular motor factors in scanning a visual display
Human engineering study of information processing applicable to helmet-mounted displays
Evoked potential correlates of display image quality
Light flashes in space — cosmic ray interaction with astronaut visual system
Choice and techniques of analysis of indices for the perception of visual information. III — by pilots
Factors controlling the competing sensations produced by a bistable stroboscopic motion display
The perceived direction of the binocular image
Useful visual field size for pattern perception
Hyper-resolution in human perception in visual displays
Elements of the theory of biological analyzers
Aero-medical applications of the I-Chrom lens for improving color vision deficiencies
Object, illusion and frame of reference as design criteria for computer-generated displays
Omnidirectional increase in threshold for image shifts during saccadic eye movements
Piecewise Fourier analysis of images and the role of occipital, temporal and parietal cortex in visual perception
Experimental investigation of the visual system using one-dimensional Walsh gratings
Training of visual recognition
Role of the visual system in the compensation of vestibular dysfunction
Deductive derivation of a mathematical model for spectral sensitivity of the human organ of sight, I, II
A bioengineering simulator of the human visual apparatus

A-208
Visual contrast sensitivity functions obtained with colored and achromatic gratings

Perception of continuity in stroboscopic motion - A temporal frequency analysis

The interpretation of visual motion - Book

The development of integrated multidimensional displays

Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range

Correlation of binocular vision test results with synphatope evaluation

Predicting aircraft detectability

Oculomotor factors in visual perceptual response efficiency

The visual perception of motion in depth

The role of perceived motion in smooth pursuit eye movements

The relationship between the apparent vertical and the vertical horopter - visual perception of luminous line

Axiomatic summary and deductions from Heering's principles of visual direction

The tilt illusion - length and luminance changes of induction line and third /dissimulato/ line

Objective determination of human visual acuity from the visual evoked potential

Effects of stimulus onset and image motion on contrast sensitivity

Light adaptation in a normal and a rod monochromat

Psychophysical and VEP increment threshold comparisons

Form information in necessary for the perception of motion

In the latency of human visually evoked response to sinusoidal gratings

Changes in optokinetic, postoptokinetic, and reverse postoptokinetico-synapses after bilateral labyrinthectomy

Sensory illusions - The ophthalmologist's point of view

Retinal site of transient tritanopia

Eye torsion and visual tilt are mediated by different binocular processes

Eye movements and visual perception - Book

Stereopsis in monkeys using random dot stereograms - The effect of viewing duration

Contrast sensation - A linear function of stimulus contrast

Forms of oculomotor activity under conditions of positive visual feedback

Latency of peripheral saccades

Reciprocal interaction between the photopic and scotopic systems of the visual analyzer in san

Effect of adaptation level on certain visual functions in san

Orientation relative to the retina determines perceptual organization

Target redundancy in visual search - Do repetitions of the target within the display impair processing

Visual motion perception by biologically intelligent systems

A cinematographic technique for investigating some aspects of visual recognition

Nonlinear perception of infrared radiation in the 800-1355 nm range with human eye

Stereo 3-D perception for a robot

A behavioral model of target acquisition in realistic terrain

Visual performance assessment through clear and sunscreen-treated windows

Experiments in texture perception

Object recognition --- A study of the relative contribution of proprioception and visual information to failure detection in dynamic systems --- sensitivity of operators versus monitors to failures

Vision

General methods to enable robots with vision to acquire, orient, and transport workpieces

Image processing procedure completion report

Visual effects of helicopter maneuver on weapon aiming performance

Visual requirements for the helicopter pilot

Observation of night shipboard helicopter operations from a 210 foot US Coast Guard cutter

Oculomotor performance of aviators during an autorotation maneuver in a helicopter simulator

Visual performance/workload of helicopter pilots during instrument flight

Sensorial aspects of helicopter operations

Aviator visual performance: A comparative study of a helicopter simulator and the AH-1 helicopter

Bandpass channels, zero-crossings, and early visual information processing

Restoration of color perception after adapting flashes

Effect of optical magnification on the perception of displayed orientation

The effects of pilot age, lighting, and head-down time on visual accommodation

The limited range of the human eye for optical aircraft acquisition

A theoretical and experimental analysis of the outside world perception process

Analysis of visual estimation of system state from arbitrary displays

Light flashes in space - cosmic ray interaction with astronaut visual system

Applications of two-parameter decision theories in psychology

Use of the tilt cue in a simulated heading tracking task

Manual control of yaw motion with combined visual and vestibular cues
Human factors analysis of visual distress signaling devices — used by boaters [AD-A064176]

**VISUAL STIMULI**

The responses of frogs to vestibular and visual stimulation in weightlessness p0190 A79-22765
Perceptual delay - A consequence of set-contrast and apparent motion p0006 A79-12513
Eye movements and symmetry — Foundations for a quantitative analysis of eye movements as they depend on the structure of the perception field — German thesis p0035 A79-13183
Locus of the effect of specific practice in continuous visual search p0098 A79-20756
Optokinetic motion sickness — Attenuation of visually-induced apparent self-rotation by passive head movements p0135 A79-27558
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples p0160 A79-28993
A further investigation of visual dominance p0186 A79-33949
Visual search for complex targets p0208 A79-38357
Detection of coloured stimuli by independent linear systems p0231 A79-42229
Effects of stimulus onset and image motion on contrast sensitivity p0231 A79-42231
Visual angle constancy for the subjective checkerboard pattern, as an indication of cortical origination of size constancy p0231 A79-42232
Spatial frequency masking in human vision — Binocular interactions p0232 A79-42284
Spatial summation in human vision — Simple reaction time measurements p0265 A79-47115
Using color substitution pupil response to exposure to chromatic mechanisms p0265 A79-47116
Direction-selective adaptation with very slow motion p0265 A79-47118
An analysis of the saccadic system by means of double step stimuli p0270 A79-49480
The peripheral critical flicker frequency p0271 A79-49482
Contrast sensation — A linear function of stimulus contrast p0271 A79-49483
Orientation relative to the retina determines perceptual organization p0299 A79-52539
Optokinetic reactions in man elicited by localized retinal motion stimuli p0304 A79-54251
A comparison of oculomotor and motion parallax cues of egocentric distance p0305 A79-54253
Eye torsion in response to a tilted visual stimulus p0305 A79-54254
Cerebral hemodynamics and visual analyzer function following exposure to bright light p0190 A79-16526
Training effect of recognition of different alphabets of visual stimuli p0175 A79-21747
Contrast sensitivity of the human visual system at one luminance level while adapted to a stimulus at another luminance level [AD-A064370]
Methods for localization of electrical sources in the human brain and applications to the visual system p0314 A79-33815

**VISUAL TASKS**

Imagery interpreter performance in the comparison of subjective estimates of photographic image quality p0036 A79-13191

**SUBJECT INDEX**

Lateral orientation and cerebral activation — Considerations for information display p0107 A79-13194
Visual workload of the copilot/navigator during terrain flight p0038 A79-13206
Observer performance using a video display — in simulated air to ground target acquisition tasks p0039 A79-13217
AWARE, a research facility for defining flight trainer visual system requirements p0062 A79-18207
Effects of information processing requirements on reaction time of the eye p0064 A79-18219
Secondary visual workload capability with primary visual and kinesthetic-tactual displays p0064 A79-18220
Peripheral acuity and photointerpretation performance p0068 A79-18996
Line criteria in target acquisition with television — visibility of target image on TV screen p0068 A79-18997
Speed and load stress as determinants of performance in a time sharing task p0068 A79-18999
Visual target acquisition and ocular scanning performance p0069 A79-19000
Visual cues in manual tracking of simulated targets p0103 A79-23792
Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal p0159 A79-28736
Detailed: The effects of carbon monoxide on dual-task performance p0161 A79-29716
A rationale for human operator pulsive control behavior p0186 A79-34520
Visual search for complex targets p0208 A79-38357
Regression models of search time for color-coded information displays p0209 A79-38359
Information transmission during eye movements with primary visual and kinesthetic-tactual displays p0209 A79-38360
Oculomotor factors in visual perceptual response efficiency p0209 A79-38362
Dynamics of the eye and head during movement between displays — A qualitative and quantitative guide for designers p0209 A79-38363
Methodological considerations of visual workloads of helicopter pilots p0209 A79-38363
Visual workload of the copilot/navigator during terrain flight p0209 A79-38364
Analysis of electroencephalograms during psychomotor performance p0209 A79-38820
The effect of increased monitoring load on vigilance performance using a simulated radar display p0236 A79-43674
Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft p0236 A79-43675
Auditory and visual sustained attention during ozone exposure p0236 A79-43676
Effect on performance of cycling deep body temperature between 37.0 and 37.6 C p0274 A79-49993
A cinematographic technique for investigating some aspects of visual recognition p0300 A79-53067
Effects of uncertainty on manual tracking performance — visual tasks p0086 A79-15592
A model for dynamic allocation of human attention among multiple tasks p0092 A79-15627

**VISUAL TRACKING**

U OPTICAL TRACKING
QUALITY OF WATER RECLAIMED FROM URINE AS RELATED TO pH OF INITIAL PRODUCT

A system for sterilizing objects --- such as water systems on the space shuttle using ethylene oxide

WATER TREATMENT

Water system virus detection

WATER VAPOR

Wave propagation

Wave oscillators

Wave propagation

Wave scattering

Wave radiation

Wave radiation

Wave Scattering

Wave systems

Wave systems

WEAPON SYSTEMS

Weapon Systems

Visual effects of helicopter manoeuvre on weapon aiming performance

Weapon systems

WEAPONS

Weight control and restraint of laboratory rats

Weight reduction

Computer design synthesis of a below knee-Syne prosthesis

WEIGHT REDUCTION

Intensification judgements of non-sinusoidal vibrations - Support for the ISO weighting method

WEIGHTLESSNESS

Prolonged weightlessness and calcium loss in man

A review of the consequences of fluid and electrolyte shifts in weightlessness

Experiments Chlorella 1 on board of Salut 6

Space medicine - A prognosis for future research

The responses of frogs to vestibular and visual stimulation in weightlessness

Aggregation of red cells and blood viscosity as models of materials experimentation in the space environment

Cardiovascular regulatory response to lower body negative pressure following blood volume loss

Early cardiovascular adaptation to simulated zero gravity

Spaceflight and bone turnover - Correlation with a new rat model of weightlessness

Continuous metabolic and cardiovascular measurements on a monkey subject during a simulated 6-Day Spacelab mission

Max and machine design for space flight

A new application of LBNP to measure orthostatic tolerance before and after 0-G simulation /water immersion/

Equipment for surgical interventions and zero-g extravehicular activities

Protein fractions and enzymatic activity thereof in the rat myocardium after the flight on Kosmos-690 biosatellite

State of spermatogenesis in rats flown aboard Kosmos-690 biosatellite

Response of crown gall tissue to the space environment: Tumor development and anatomy: Isozyme patterns --- cosmos 782

Protein fractions and enzymatic activity thereof in the rat myocardium after the flight on Kosmos-690 biosatellite

Protein fractions and enzymatic activity thereof in the rat myocardium after the flight on Kosmos-690 biosatellite

State of spermatogenesis in rats flown aboard Kosmos-690 biosatellite

The inuorphogenetic responses of cultured totipotent cells of carrot (Daucus carota L.) at zero gravity

The biomedical implications of extended duration zero-g extravehicular activities

Radiographic comparison of human lung shape during normal gravity and weightlessness

Effects of weightlessness and centrifugation (LXG) on negative pressure following blood volume loss

The new rat model of weightlessness

Responses to crown gall tissue to the space environment: Tumor development and anatomy --- cosmos 762

Responses to crown gall tissue to the space environment: Tumor development and anatomy --- cosmos 762

Responses to crown gall tissue to the space environment: Tumor development and anatomy --- cosmos 762

Responses to crown gall tissue to the space environment: Tumor development and anatomy --- cosmos 762

Responses to crown gall tissue to the space environment: Tumor development and anatomy --- cosmos 762

The morphogenetic responses of cultured totipotent cells of carrot (Ratus caura L.) at zero gravity --- cosmos 762

Effects of weightlessness and centripetal centrifugation (LIG) on erythrocyte survival in rats subjected to prolonged space flight
WEIGHTLESSNESS SIMULATION

NEST GERMANY

Quantitative analysis of selected bone parameters

Materials of the final reports on the joint Soviet-American experiment on the Kosmos-936 biosatellite

Changes in amount and composition of phospholipids in rat skeletal muscle microsomal fraction under the influence of a flight aboard the Kosmos-690 biosatellite

Man-machine analysis of translation and work tasks of Skylab films

Problems of human adaption to spaceflight

Distinctions referable to excretion of end products of protein metabolism in urine of man submitted to 182-day antrostostatic hypokinesia

Validation of a model for investigating red cell mass changes during weightlessness

Development of an hypothesis for simulating anti-orthostatic bed rest

Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness

Studies of venous circulation in the crew of the Salut-5 orbital station

Effects on lipid metabolism in man of some factors that simulate space flight conditions

WEIGHTLESSNESS SIMULATION

Distribution of pulmonary ventilation and perfusion during short periods of weightlessness

A model for vestibular function in altered gravitational states

Prophylactic effects of intermittent acceleration against physiological deconditioning in simulated weightlessness

Comparison of physiological effects of head-down tilting and immersion on the human body

Ultrastructural development of the vestibular system under conditions of simulated weightlessness

Early cardiovascular adaptation to zero gravity simulated by head-down tilt

Ultrastructural development of the vestibular system of frog larvae in 9g simulation

Cardiac arrhythmia following postimmersion +G z accelerations

Physiological responses of women to simulated weightlessness: A review of the first female bed-rest study

Role of vestibular system in behavior of animals submitted to prolonged slow rotation

Antrostostatic hypokinesia as an approximate model of weightlessness

Correction of transcapillary exchange in man under the influence of rotation on a centrifuge while immersed in water

Effects of hypodynamic simulations on the skeletal system of monkeys

WEST GERMANY

Germany
### World Subject Index

Secondary visual workload capability with primary visual and kinesthetic-tactual displays

The effects of participatory mode and task workload on the detection of dynamic system failures

Morbidity experience of air traffic control personnel - 1967-77

Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads

Measurement and scaling of workload in complex performance

A preliminary study of the air traffic controller's 'picture'

Methodological considerations of visual workloads of helicopter pilots

Visual workload of the copilot/navigator during terrain flight

Measurements of pilot workload during low altitude and high speed maneuvers of F-1 supersonic jet fighter

Pilot workload during final approach in congested airspace

Electrophysiological investigation of sleep during work-shift regime and production-induced emotional stress

Bioinstrumentation for evaluation of workload in aircrew task analysis data --- helicopter design

A simulator study of the interaction of pilot workload with errors, vigilance, and decisions

Pilot workload qualification for avionics design

The facilitating effects of uncertainty in long-term manual control

The effects of participatory mode and task workload on the detection of dynamic system failures

Reduced mental capacity and behavior of a rider of a bicycle simulator under alcohol stress or under dual task load

An analysis of helicopter pilot control behavior and workload during instrument flying tasks

The measurement and scaling of workload in complex performance

An evaluation of the effects of a stability augmentation system upon aviator performance/workload during a MEDEVAC high hover operation

An analysis of helicopter pilot control behavior and workload during instrument flying tasks

Visual performance/workload of helicopter pilots during instrument flight

Sensorial aspects of helicopter operations

Crew workload assessment. Development of a measure of operator workload

A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel

Performance and workload analysis of inflight helicopter missions

### Earth (Planet)

Worms

Meteorological limits on the growth and development of worm populations

Wound healing

Effect of fiber and dye degradation products on wound healing

A porcine biosensor study of the physiological effects of fiber and dye degradation products on wound healing

Wrist

The prototype wrist joint assembly TACPAW (Triple Axis Common Pivot Arm Wrist), phase 2

### Band

Superhigh frequencies

X-ray absorption

Studying the state of cellular metal loss by the extended X-ray absorption fine structure

X-ray analysis

The development of a digital video subtraction system for intravenous angiography

Radiographic comparison of human lung shape during normal gravity and weightlessness

Competed axial tomography (CAT)

Mechanism of the formation of phosphores by X-rays

X-ray scattering

X-ray backscatter imaging

### Yaw

Manual control of yaw motion with combined visual and vestibular cues

### Yawters

YAW

### Yaw-1 helicopter

YAW-1 HELICOPTER

### Yaw-2 helicopter

YAW-2 HELICOPTER

### Young models

YOUNG MODELS

### Young-1 helicopter

YOUNG-1 HELICOPTER

### Young-2 helicopter

YOUNG-2 HELICOPTER

### Zero crossings

ROOTS OF EQUATIONS

### Zero gravity

WEIGHTLESSNESS

### Zinc

The distribution of cadmium and other metals in human tissues

Zinc

Zinc chlorides

A literature review-problem definition studies on selected toxic chemicals. Volume 5:

Occupational health and safety and environmental aspects of zinc chloride

---

K-214
ZINC COMPOUNDS
ZIRCONIUM

Effects of heavy metals especially selenium, vanadium and zirconium on movement, growth and survival of certain animal aquatic life

Typical Personal Author Index Listing

**ALEX, E. H.**
Whole body response research program
[PB-286151/6]  p0093 N79-15640

Listings in this index are arranged alphabetically by personal author. The title of the document provides the user with a brief description of the subject matter. The report number helps to indicate the type of document listed (e.g., NASA report,translation,NASA contractor report). The page and accession numbers are located beneath and to the right of the title. e.g. p0093 N79-15640. Under any one author's name the accession numbers are arranged in sequence with the first accession numbers appearing first.

A

**AIAINESCO, K. J. R.**

**ABBATUCCI, J.-S.**
Pulmonary functional tolerance to ionizing radiation - An experimental study  p0256 579-46601

**ABDELNAHAB, P. F.**
The effects of active and passive heat acclimatization procedures on the cardiovascular, thermoregulatory, and sweat rate responses to work in the heat in male humans  p0195 879-23651

**ABE, N.**
Development of adaptation to hypodynamics on rat and its readaptability to ambulatory life [IAP PAPER 79-76]  p0301 879-53285

**ABDELWAHAB, F. E.**
The effects of active and passive heat acclimatization procedures on the cardiovascular, thermoregulatory, and sweat rate responses to work in the heat in male humans  p0195 879-23651

**ABBOTH, C. R.**
Cardiac adaptation to endurance training: Determined by echocardiography and electrocardiography  p0194 879-23641

**ABELES, P.**

**ABERNETHY, C. N.**
Effects of deceleration and rate of deceleration on live seated human subjects [BN-286451/3]  p0057 879-13702

**ABDIN, S. K.**
Assessment of burns in accident fatalities  p0082 879-15555

**AGADZHARYAN, N. A.**
The organism and the habitation atmosphere [NASA-TM-75536]  p0049 879-12685

**AGAHSHAYAN, H. A.**
Prospects of using Japanese quail in biological life support systems  p0109 879-16531

**AGAHSHAYAN, H. A.**
Effect of combination of hypoxia and hypercapnia on survival of Japanese quail  p0194 879-23641

**AGAHSHAYAN, H. A.**
Energy expenditures of man during long exposure to a periodically changing atmosphere  p0312 879-3799

**AGAHSHAYAN, H. A.**
The role of lesser circulation hemodynamic changes in pulmonary gas exchange  p0300 879-53066

**ACRANAWAL, G. C.**
A quasi-linear control theory analysis of timesharing skills  p0086 879-15589

**ACRANAWAL, G. C.**
Cases of probable Aero Otitis interna  p0120 879-17520

**ACRANAWAL, G. C.**
A quasi-linear control theory analysis of timesharing skills  p0086 879-15589

**ACRANAWAL, G. C.**
Cases of probable Aero Otitis interna  p0120 879-17520

**ACHIM, A. K.**
A behavioral model of target acquisition in realistic terrain [AD-4056760]  p0019 879-10742

**AKHUNZADA, J. M.**
Abolition of a visceroautomatic reflex during oxygen deprivation  p0227 879-61187

**AKHUNZADA, J. M.**
Cases of probable Aero Otitis interna  p0183 879-33194
PERSONAL AUTHOR INDEX

ALEXHTEV, V. I.
Morphological study of adrenals of rats irradiated during flight aboard Kosmos-690 satellite
p0108 879-16517

ALEXHTEV, W. M.
Whole body response research program
[pb-286151/6]
p0093 879-15640

ALEXHTEV, W. M.
Whole body response research program. Appendix A: Methodology
[pb-286152/8]
p0094 879-15641

ALEXHTEV, W. M.
Whole body response research program. Appendix B: Raw data
[pb-286153/2]
p0094 879-15642

ALEXHTEV, W. M.
Whole body response research program. Appendix C: Processed data
[pb-286154/0]
p0094 879-15643

ALEXIADIS, A. A.
The influence of vehicle aerodynamic and control response characteristics on driver-vehicle performance
p0089 879-15608

ALAKHERDANOV, B. L.
Conservative drops - Primitive forms of precells
p0204 879-37962

ALLAH, J. B.
Effect of induced cyclic changes of deep body temperature on task performances
p0202 879-37708

Effect of cockpit temperature gradients on the validity of single-point measurements
p0234 879-43203

Separation of the effects of raised skin and core temperature on performance of a pursuit rotor task
p0234 879-43204

Effect on performance of cycling deep body temperature between 37.0 and 37.6 C
p0274 879-49993

ALLAH, C. L.
The relationship between aerobic fitness and cardiovascular risk factors in the Canadian forces
[pb-286155/3]
p0316 879-31829

ALLAH, G.
The use of spinal analogue to compare human tolerance of repeated shocks with tolerance of vibration, part 1
p0288 879-31926

ALLAH, G. W.
The use of reward-penalty structures in human experimentation
p0089 879-15607

The effects of alcohol on driver performance in a decision making situation
p0092 879-15629

A decision model applied to alcohol effects on driver signal light behavior
p0092 879-15630

Driver steering dynamics measured in car simulator under a range of visibility and roadmaking conditions
p0117 879-17693

ALLAH, C.
Chemicals identified in human biological media, a pilot literature survey
[pb-29069/0/7]
p0214 879-24649

ALLAH, E. A.
Measurement and scaling of workload in complex performance
p0164 879-30659

The measurement and scaling of workload in complex performance
[faa-am-78-14]
p0125 879-17558

ALPHONSTICH, Y.
Adaptive estimation of information values in continuous decision making and control of advanced aircraft
[ad-80679/1]
p0282 879-30941

ALTEILAND, R. D.
Cross-adaptive effects of cold, hypoxia, or physical training on decompression sickness in mice
p0268 879-47055

ALTMEAN, J. A.
The relationship between classical centers of the auditory tract and certain 'nonspecific' brain structures in the organization of the auditory B-2
ANANTUROVA, N. N.

ANDERSON, A. L.
New developments in ultrasonic imaging of thoracic and other body organs
ADCM-80340-SET-1
p0018 A79-10735

ANDERSON, C. D.
Windshield quality and pilot performance measurement utilizing computer-generated imagery
p0137 A79-28165

ANDERSON, D. B.
The effect of Nap-of-the-Earth (WOE) helicopter flying on pilot blood and urine biochemicals
[AD-A055204]
p0055 A79-13693

ANDERSON, D. M.
Suppression of the immune response by ultrasound
p0142 A79-18560

ANDERSON, D. Z.
A new noninvasive technique for cardiac pressure measurement. II Scattering from encapsulated bubbles
p0294 A79-51038

ANDERSON, N.
BISOSP: Biological space experiments, a compendium of life sciences experiments carried on US spacecraft
[NASA-78-56217]
p0261 A79-29784

ANDERSON, R. A.
Functional connections of the central auditory nervous system: Thalamocortical corticothalamic and corticothalamic connections of the AI, AII and AEF auditory cortical fields
p0246 A79-27839

ANDERSON, R. C.
Fetal damage in mice following exposure to the pyrolysis products of polytetrafluoroethylene
p0966 A79-18306

ANDREW, B. C.
Digital color image compression in a perceptual space
p0136 A79-28013

ANDREWS, B. C.
Light and color on a manned spacecraft
p0059 A79-13996

ANDREWS, B. E.
Aluminized firefighters' crash-rescue protective hood: Facepiece-visor redesign study
[AD-A066492]
p0223 A79-25764

ANDREWS, B. J.
Aluminized firefighters’ (fire proximity) hood: Redesign of experimental prototype
[AD-A066989]
p0290 A79-31940

ANGELL, J. B.
A study of noninvasive blood pressure measurement techniques
p0294 A79-51036

ANISHIN, G. V.
A method of evaluating the pupillary reaction to vestibular stimuli
p0016 A79-10717

ANWAR, B. S.
Computer design synthesis of a below knee-Syme prosthesis
p0251 A79-44300

ARASHKIR, O. D.
Immunophysiological aspects of man’s adaptation to highland
p0188 A79-35123

ARASHKIR, O. D.
Parasitological reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia
p0165 A79-30696

AROSOV, N. M.
Functional outcomes of prosthetic cardiac valve replacement
p0076 A79-14746

ARSHINOV, G. V.
Time parameter in exposures to microwave radiation
p0105 A79-24419

ATJEP, D. J.
Time parameter in microwave irradiation
p0277 A79-50694

ATKINS, J. P.
Variability in human body size
p0032 A79-11736

AVANELLO, V. J.
Diagnosis of cutaneous thermal burn injuries by multispectral imaging analysis
[NASA-CH-162103]
p0279 A79-30922

AVITIP, V. V.
The time parameter in exposures to microwave radiation
p0105 A79-24419

AWEK, A. S.
Effect of the blockade of hypothalamic adrenergic structures on thermoregulatory reactions
p0167 A79-31950

ASANO, S.
Accuracy of RGD approximation for computing light
scattering properties of diffusing and motile bacteria

The effect of plasmoidal slime on the metabolism of haploid cells of Physarum flavicomum and the respiration of isolated mitochondria

Perceptual localization, feature identification and ocular motor factors in scanning a visual display

Flight test evaluation of an RAF high altitude partial pressure protective assembly

Influence of exercise and CO2 on breathing pattern of normal man

A autoradiographic enhancement of nameless

Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 1: Endochondral osteogenesis; medullary bone turnover

Histological studies on tibial bone of rats in the 1975 COSMOS-782 flight. Part 2: Microradiographic study of cortical bone

Mineralization in teeth and jaws, as judged radiographically, in rats of the COSMOS-782 experiment

Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness

Functional outcomes of prosthetic cardiac valve replacement

Evaluation of the risks involved in the application of tritium gas and measures which have to be taken [MOL-1978-6]

Effect of impermeable clothing and respirator on work performance. Part 1: Laboratory studies [SN:97-2132]

A critically annotated bibliography of the literature on human factors in computer systems [AD-A059081]

Field evaluation of experiential crash-crew firefighters' facepiece [AD-A065448]

Radiological examination of the Rachis and fitness for employment as a helicopter pilot

A head-up display for mid-air drone recovery

Evaluation of kinesthetic-tactual displays using a critical tracking task

Computer-graphics design for human performance

Results of tests of the equilibrium organ of candidates for payload expert for the first Spacelab mission [DELG PAPER 78-134]
PERSONAL AUTHOR INDEX

BAILEY, J. P.  The effect of increased monitoring load on vigilance performance using a simulated radar display  p0236 A79-43678

BAILEY, R.  Insulated firefighters' crash-crew rescue boots and components: Field and laboratory evaluation  [AD-A068264] p0262 A79-29795

BAILEY, R. T.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703


BAKER, R. L.  Response of crown gall tissue to the space environment: Residual carbohydrates in supporting tissue  p0020 A79-11653

BAKER, D. G.  Cardiac blood flow measurement - a component of the comprehensive cardiac examination  p0017 A79-10729

BAKER, D. W.  Responses of crown gall tissue to the space environment: Tumor development and anatomy  p0020 A79-11650

Balkhovskiy, I. S.  Dynamics of Cosmonauts' blood biochemistry during space missions  p0072 A79-14717

Balashov, T. S.  Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia  p0165 A79-30696

Balish, E.  Effect of space flight on cell-mediated immunity  p0021 A79-11661

Balke, D. L.  Attachment to autoclaved soil of bacterial cells from pure cultures of soil isolates  p0027 A79-51701

Ballard, J. A.  Two approaches to category representation in aural classification  [AD-A067070] A79-25754

Ballard, B. J.  Predicting individual listener confusions in the classification of complex, steady-state sounds  [AD-A067070] p0222 A79-25755

Balaskovsky, I. S.  Dynamics of Cosmonauts' blood biochemistry during space missions  p0072 A79-14717

Balasubramaniam, T. S.  Ultrasonic investigations of the soleus muscle after space flight on the Biosputnik 936  p0215 A79-12871

Bamford, J.  Chemical fingerprints of life in terrestrial soils and their possible use for the detection of life on Mars and other planets  p0136 A79-27929

Bark, H.  Gas diffusion liquid storage bag and method of use for storing blood  [NASA-CASE-WP0-13930-1] p0076 A79-14749

Barnes, A.  Synthesis of organic compounds from carbon monoxide and water by UV photolysis  p0099 A79-22077

Babanskii, V. A.  Ultrasound investigations of the soleus muscle after space flight on the Biosputnik 936  p0278 A79-14992

Babanskii, S.  Stereological ultrastructural analysis of the axonal endings in the neuromuscular junction of rats after a flight on biosputnik 782  p0103 A79-23468

Babanskii, S.  Intracardial gas bubbles and decompression sickness while flying at 9,000 m within 12-28 h  p0090 A79-12865

Barnes, A.  Case report - Intracardial gas bubbles in relation to altitude decompression chokes  p0022 A79-12871

Balog, W.  Effect of alcohol and marijuana on eye movements  p0101 A79-23469

Bane, J.  Follow-up and transversal study of vital capacity and FEV sub values among personnel of the Belgian Army forces  p0028 A79-11706

Bandert, L. E.  Sustained operations and sleep deprivation - Effects on indices of stress  p0009 A79-12859

Banjeer, K. R.  Effects of partial sleep deprivation on psychological performance and behaviour  p0200 A79-37130

Barnes, A. D.  Design, fabrication and utility of a flight oriented performance test  p0271 A79-49728

Barnes, A.  Electromagnetic absorption in a multilayered model of man  p0226 A79-40659

Barnes, E.  Biological study of tobacco seeds flown in the joint Apollo-Soyuz test-project  p0067 A79-12871

Barnes, E.  Physiological and ergonomic aspects of the Salyut 6 cosmonauts extravehicular activity /EVA/ p0303 A79-53486

Barnes, P. W.  Probability of caisson disease while wearing a space suit when exiting from a spacecraft with an atmosphere close to that of earth  p0249 A79-27826

Barnes, E.  The effect of 1 to 5 keV electrons on the coronal arteries  p0165 A79-30696

Barnes, R. A.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703

Barnes, E.  The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement  p0028 A79-11703
BARLOW, C. H.
Temporal relation between onset of cell anoxia and ischemic contractile failure
[AD-A061580] p0124 979-17551

BARLOW, J. S.
Computerized clinical electroencephalography in perspective
p0226 A79-40648

BARNES, J. A.
Lightweight helmet-mounted eye movement measurement system
p0303 A79-53516

BARNETTE, J. F.
A review of individual performance in air-to-ground target detection and identification studies
[AD-A066580] p0124 A79-17551

BARRETT, J. V.
Factors that affect display size criteria in a cockpit display system
p0063 A79-18212

BARNES, H. J.
Combined monitoring, decision and control model
p0079 A79-16550

BARNEY, C. C.
Time for loss of increased cardiac responsiveness to isoproterenol in cold-acclimated rats after removal from cold
p0128 A79-24636

BARR, J. K.
Relationship between thermogenic drinking and plasma renin activity in the rat
p0235 A79-43211

BARTELL, R. C.
Quantitative analysis of selected bone parameters
p0058 A79-10918

BARTSCH, B.-J.
Speech quality measurement
p0038 A79-13205

BARON, V. S.
Parameter of modeling the mechanism of heart contraction
p0275 A79-50950

BARTZ, A. E.
Information transmission during eye movements
p0275 A79-50287

BARZA, H. J.
Detection of antimicrobial susceptibilities on infected urines without isolation

BASSEL, D.
Hybrid computation of left ventricular performance using noninvasive techniques
p0190 A79-22758

BASSEL, J. D.
Low tryptophan diet decreases brain serotonin and alters response to apomorphine
p0226 A79-40672

BASSETT, D. J. P.
Possible mechanisms of weak electromagnetic field coupling in brain tissue
p0082 A79-15555

BATEY, A. R., Jr.
Calibration of three year old child domes
[PB-288961/6] p0157 1179-19692

BAYLINK, D. J.
Psychological experiment on components of the meaning of work
p0071 A79-17409

BEACH, R. E.
Role of transition-metal complexes in the chemical evolution of life
[NASA-CR-162287] p0289 1179-31932

BEATRICE, E. S.
Thermal activation of the visual transduction mechanism in retinal rods
p0230 A79-41746

BEZENOV, G. I.
Temperature effect of muscular work in the white rat during hypoxia
p0097 A79-20654

BEER, W. S.
Observer performance using a video display
p0039 A79-13217

BEERS, H. P.
Making it in academic psychology: Demographic and personality correlates of eminence

BEHRMANN, E. S.
Laser safety bioeffects research - Histopathology of retinal effects
p0138 A79-28169

BEVLECH, D. E.
The impact of a Learn-Forget-Learn (LFL) curve and learning curves on a system effectiveness model
[AD-A066580] p0124 A79-17550

BECH, E. A.
Selective attention: The influences of subject sex and degree of prior habituation on performance of an attention task with distraction
p0265 A79-28876

BECK, E.
Prebiotic coordination chemistry: The potential role of transition-metal complexes in the chemical evolution of life

BECK, T. W.
Detection of bubbles in decompression sickness
p0041 A79-13573

BECKER, R.
A technology assessment of vegetable substitutes for animal protein in human food. Volume 1: The study
BEREGOVOT, C. T.

1. On the man's adaptation to the operator's work under stressful conditions of space flight
   ([JAP PAPER 78-6-56] p0003 A79-11385
   Experimental and psychological investigations in aviation and astronautics
   p0041 A79-13998
   Psychological training - One of the most important factors of enhancing the safety of space flights
   ([JAP PAPER 79-2-24] p0303 A79-53426
   p0279 A79-20594

2. Comparative evaluation of the effectiveness of visual and aural tracking of a sinusoidal signal
   p0159 A79-28736

BEREZIN, I. D.

Experimental determination of maximum permissible exposure to laser radiation of 1.5-micron wavelength
p0002 A79-10648

BEREZIN, V. P.

Compensatory reactions of the kidneys to orthostatic factors
p0015 A79-10708

BEREZOVSKI, V. A.

Individual differences in hypoxic responses at high altitudes
p0159 A79-28738

The physiological role of surface-active substances in the lung
p0296 A79-51117

BERGER-VACHO!, C.

Adjustment of an electronic model for electrocardiograms simulation
p0232 A79-42240

BERGER, K. E.

Clinical importance of directional statistics for electrocardiographic differentiation of smoking habits
p0098 A79-21246

BERGER, B. D.

The effect of impact acceleration on the electrical activity of the brain
p0287 N79-31921

BERICH, G.

Physical performance and peak aerobic power at different body temperatures
p0221 A79-36946

BERGMANN, S. E.

The effect of moderate hypothermia on the circulatory and myocardial consequences of acute coronary ligation in dogs
p0009 N79-12683

BERGSTROM, D. A.

Effect of electrosurgical shock on monoaminergic receptor binding sites in rat brain
p0162 A79-29925

BERGSTROM, S. L.

Thermal resistance of naturally occurring airborne bacterial spores
p0131 A79-26147

BEERING, D. E.

Response surface methodology as a manipulator of complex task difficulty
p0039 A79-13211

Collision avoidance response stereotypes in pilots and nonpilots
p0068 A79-18995

BERNSFORD, K. M.

Refinement of a computer simulation model for evaluating DAS display concepts
p0038 A79-13209

BERNOVICH, Y. A.

Adaptive optimization of exchange of gases in plants in a sealed phytotron
p0313 A79-33806

BELINSKY, J. E.

The effects of derivate internal representations in the visual model of the human operator
p0114 A79-17477

BERNOUEL, J. E.

Pilot performance during flight simulation with peripherally presented visual signals
p0063 A79-18213

BEHRINGER, E. H.

Temperature changes during exercise measured by thermography
p0235 A79-43209

BERREY, W.

Biological specimen holding facilities for Spacelab experiments
p0003 A79-11224

BERNADER, E. B.

Animal life support transporters for Shuttle/Spacelab
[ASNE PAPER 78-11224]

BERNADA, J.

A correlation of the effects of cationic uncouplers on intact cardiac muscle and on calcium bound to isolated cardiac muscle plasma membranes
p0111 N79-16540

BERNASH, V. I.

Epiphysis of rats under the combined action of hypoxia, hypercapnia and cooling
p0256 A79-46680

BERPALEVA, L. A.

Ultrastructure of lymph nodes of dogs exposed to long-term external gamma radiation
p0312 A79-33804

BEVERLY, K.

An illness-injury severity index
p0005 A79-12688

BEVRELEY, K.

The visual perception of motion in depth
p0210 A79-39087

BEVAGY, P. M.

Radiological diagnosis of spinal injuries and deformities
p0272 A79-49735

Biological specimen holding facilities for Spacelab experiments
p0003 A79-11224

BIBAVIS, D. B.

Cardiac responses of dogs to nonsynchronous and heart synchronous whole-body vibration
p0162 A79-29728

Sweating responses during heat acclimation and moderate conditioning
p0185 A79-33803

Deconditioning-induced exercise responses as influenced by heat acclimation
p0273 A79-49985

Modification of cardiac function by synchronized oscillating acceleration
p0278 A79-50908

BECKING, C. A.

Report of the Workshop on Biological Screening Tests
[p0139 A79-17477]

BEITAG, K. C.

Analysis of Pco2 differences during rebreathing due to slow pH equilibration in blood
p0067 A79-18958

BEILLY, Y. I.

Grenoble symposium on mycotoxins
p0175 A79-21749

BEHARD, R.

Quantitative analysis of eating behavior in aging male Drosophila melanogaster
p0252 A79-44799

Effects of weightlessness on the embryonic development and aging of Drosophila melanogaster
p0022 A79-11670

BEIRK, J.

Visually estimating workpiece pose in a robot hand using the feature points method
p0269 A79-48018

A new application of LBNP to measure orthostatic tolerance before and after O-G simulation /water immersion/
[JAP PAPER 79-87] p0302 A79-53290

General methods to enable robots with vision to acquire, orient, and transport workpieces

BISH, K. G.

Evoked potential correlates of display image quality
p0068 A79-18998

BISHOP, P. J.

Aircrew helmet protection against potential cerebral concussion in low-magnitude impacts
p0201 A79-37705

BITTER, K. C.

Effects of vibration on humans - Performance decrements and limits
p0035 A79-13185

Seating, console, and workplace design - Integration of literature and accommodation model
p0036 A79-13189
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOUZIER, A.</td>
<td>Pulmonary functional tolerance to ionizing radiation - An experimental study</td>
<td>p0256 A79-46601</td>
</tr>
<tr>
<td>BOUFLEUR, C.</td>
<td>Special tests for astronaut selection - Study of cardiovascular reactions by the orthostatism test</td>
<td>p0047 A75-15490</td>
</tr>
<tr>
<td>BOUIE, E. C.</td>
<td>Effects of heavy metals especially selenium, vanadium and zirconium on movement and survival of certain animal aquatic life [PB-292562/A]</td>
<td>p0197 A79-25706</td>
</tr>
<tr>
<td>BOUY, T. E.</td>
<td>A head-up display for mid-air drone recovery</td>
<td>p0090 A79-15615</td>
</tr>
<tr>
<td>BOWMAN, J. S.</td>
<td>Whole body response research program [PB-286155/6]</td>
<td>p0093 A79-15640</td>
</tr>
<tr>
<td>BOWMAN, G. H.</td>
<td>Support system considerations for STS biological investigations [N-PS R 78-EWAS-37]</td>
<td>p0008 A79-12584</td>
</tr>
<tr>
<td>BOWMAN, G. N.</td>
<td>Advanced life support equipment for nitrogen tetrazole environments</td>
<td>p0169 A79-20432</td>
</tr>
<tr>
<td>BOWDEN, I. N.</td>
<td>Physiologic and performance measurements in simulated airborne combined stress environments</td>
<td>p0202 A79-37710</td>
</tr>
<tr>
<td>BRADY, J. F.</td>
<td>killfish development in zero-g on COSMOS 782: Fundulus experiment K-104</td>
<td>p0021 A79-11659</td>
</tr>
<tr>
<td>BRADY, J.</td>
<td>Psychosocial aspects of syncope and vertigo in aircrew</td>
<td>p0027 A79-11701</td>
</tr>
<tr>
<td>BOLE, D.</td>
<td>Eye-ball control</td>
<td>p0270 A79-49225</td>
</tr>
<tr>
<td>BRONZE, B.</td>
<td>Primate cone sensitivity to flicker during light and dark adaptation as indicated by the foveal local electroretinogram</td>
<td>p0104 A79-26065</td>
</tr>
<tr>
<td>BOD, J. T.</td>
<td>A continuous wave, frequency modulated, ultrasonic device with auditory output for observing the heart</td>
<td>p0045 A79-14602</td>
</tr>
<tr>
<td>BOTTZ, J. X.</td>
<td>The interaction of carbon monoxide and altitude on aviator performance: Pathophysiology of exposure to carbon monoxide [AD-A055212]</td>
<td>p0056 A79-13694</td>
</tr>
<tr>
<td>BOZZETTI, R.</td>
<td>On the measurement of hazardous e.m. fields radiated through an aperture</td>
<td>p0233 A79-42886</td>
</tr>
<tr>
<td>BRADFORD, L. W.</td>
<td>Binocular holographic helmet mounted display</td>
<td>p0174 A79-20794</td>
</tr>
<tr>
<td>BRADBERRY, F.</td>
<td>The effect of 1 to 5 keV electrons on the reproductive integrity of microorganisms</td>
<td>p0147 A79-19025</td>
</tr>
<tr>
<td>BRANDSENBURGER, G.</td>
<td>Plasma aldosterone, renin activity, and cortisol responses to heat exposure in sodium depleted and repleted subjects</td>
<td>p0239 A79-32023</td>
</tr>
<tr>
<td>BRAUNWALD, E.</td>
<td>Growth of pulmonary circulation in normal pig - Structural analysis and cardiopulmonary function</td>
<td>p0067 A79-18961</td>
</tr>
<tr>
<td>BARTKEY, R. P.</td>
<td>Blood clotting factors of the vascular wall and myocardium of hypotensive rabbits</td>
<td>p0108 A79-16523</td>
</tr>
</tbody>
</table>
PERSONAL AUTHOR INDEX

BROOKS, G. A. Effects of glycogen depletion and work load on postexercise O2 consumption and blood lactate p0277 A79-50903
BROOKS, J. A critical assessment of the origin of life p0207 A79-37985
BROOKS, T. L. Human/computer control of undersea teleoperators p0089 A79-15612
BROUSEL, A. O. Challenges to life support system’s future [AEROS PAPER 78-ZMAS-28] p0008 A79-12577
BROUSSARD, J. H. Prediction of pilot-aircraft stability boundaries and performance contours p0118 A79-17507
BROWN, A. H. Clinical usefulness of radiopaque markers in left ventricular function p0293 A79-51029
BROWN, N. The growth kinetics of freshwater algae p0174 A79-21740
BROWN, N. The objective evaluation of aircrew protective breathing equipment. III - Improved types of mask/goggles combinations. IV - Fullface masks and hoods suitable for flight attendant use p0184 A79-33638
BROWN, P. A. Theoretical study of membrane diffusion and lysosyme patching p0142 A79-18563
BROWN, T. J. Improved types of breathing equipment. III - Improved types of mask/goggles combinations. IV - Fullface masks and hoods suitable for flight attendant use p0184 A79-33638
BROWN, T. J. The effect of ultrasonic irradiation on mammalian cells and chromosomes in vitro p0066 A79-24068
BROWN, T. J. The effect of 17alpha-ethinylestradiol on the radiation sensitivity of mice p0141 A79-18557
BROWN, J. Increased survival in experimental dog heartstroke after resection of gut flora p0266 A79-47335
BROWN, J. E. Subjective motion discrimination is the simulator for air-to-air combat [AD-1059742] p0079 A79-14770
BROWN, J. L. Changes in critical duration during dark-adaptation p0304 A79-54252
BROWN, J. N. Medical technology transfer p0048 A79-16138
BROWN, J. W. Considerations associated with the introduction of female crewmembers in spacecraft and space stations [JAP PAPER 79-42-22] p0303 A79-53424
BROWN, L. S. In vitro effects of physical stress and noise stress on information processing performance and cardiac response p0161 A79-29715
BROWN, R. E. Circulatory function after reduction of gut flora p0048 A79-16138
BROWN, T. J. The effects of high nitrogen tensions of the properties of neuronal membranes and synaptic transmission [AD-10638565] p0213 A79-24607
BƯÀN, R. Early cardiovascular adaptation to simulated zero gravity p0184 A79-17742
BUAS, R. A theoretical study of membrane diffusion and lysosome patching p0142 A79-18563
BUCKLEY, C. Relating performance in basic electricity and electronics and A schools [AD-1060914] p0085 A79-15584
BUCKLEY, K. P. Development of a performance criterion for air traffic personnel research through air traffic control simulation [AD-1058082] p0031 A79-11727
BUERENWAIT, T. D. Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia p0165 A79-30984
BUDIG, S. R. Oxygen systems for Army helicopters p0044 A79-14421
BUDKO, V. N. Nonparametric model for the detection of signals observed by a human operator on a CRT screen on
CAIRNS-SMITH, A. C.

CAILLER, B. C.

CAILLE, E. J.

CAHILL, N.-C.

CABARROU, P.

BYSTROVA, A. G.

BYRD, L. D.

BYRON, G.

BTKHOVSKAIA, I. N.

CAMPBELL, C. V.

CAMP, N. T., JR.

CANNER, L. N.

CALVET, H.

CALL, D. V.

CALBOON, C. L.

CALEB, B.

CAPP, N. P.

CANNON, N. V., JR.

CAMPBELL, J. E.

CALVIN, N.

CARS, G.

CAFFEY, A. A.

CARTER, R. C.

CARTER, D. N.

CARR, R. V.

CARPENTER, A.

CARO, C. U.

CARETTE, G.

CANDOSO, J. N.

CARAUX, D.

CARO, P. V.

CARMAN, N. K.

CARLISLE, B.

CARL, E. N.

CARTER, R. C.

CARMO, E. V.

CARGO, D.

CARGO, D.

CARBONE, D.

CARR, R. V.

CARVELL, R. C.

CARVER, E. C.

CARY, J. M.

CASS, J.

CASTAGNOSI, R.

CASTAÑEDA, J. A.

CASTAÑEDA, J. A.

CASTRO, J.

CASTRO, J.

CAYAUX, J.

CAYAUX, J.

CEPI, J.

CEPI, J.

CESCHI, J.

CESCHI, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

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CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.

CHEESEMAN, J.
CARTER, V. E.  
Development of automated performance measures for introductory air combat maneuvers  
p0299 A79-38359

CASSIDY, L. E., JR.  
Effects of magnesium, calcium, and serum on reversion of stable E-forms  
p0131 A79-26140

CASINO, B.  
Effects of high-LET neon /He-20 in soil  
p0297 A79-51698

CASTLE, G.  
Space radiation dosimetry onboard COSMOS 936: 05 portion of experiment K-206  
p0023 A79-11677

CASTLE, B. L.  
Circulatory response to arterial hyperoxia  
p0221 A79-36048

CASTELLANET, M. J.  
Predicting coronary artery disease with treadmill stress testing changes in P-wave amplitude compared with ST segment depression  
p0186 A79-38284

CASTON, J. M.  
Improved headgear for fixed wing Navy aircrewmen  
p0184 A79-33641

CASTLE, T. C.  
Computer program for calculation of oxygen uptake [NASA-TM-78585]  
p0074 A79-21714

CASTLE, G.  
Computer program for calculation of oxygen uptake [NASA-TM-78585]  
p0074 A79-21714

CASTLE, E. B.  
COSMOS 936, experiment K-208: Spaceflight effects on muscle fibers  
p0024 A79-39167

CASTELANET, M. J.  
Predicting coronary artery disease with treadmill stress testing changes in P-wave amplitude compared with ST segment depression  
p0186 A79-38284

CASTLE, B. L.  
Computer program for calculation of oxygen uptake [NASA-TM-78585]  
p0074 A79-21714

CASTLE, B. L.  
Computer program for calculation of oxygen uptake [NASA-TM-78585]  
p0074 A79-21714

CASTLE, B. L.  
COSMOS 936, experiment K-208: Spaceflight effects on muscle fibers  
p0024 A79-39167

CAVALLI, D.  
Discrete-time pilot model  
p0088 A79-15601

Discrete time modeling of heavy transport plane pilot behavior  
p0118 A79-17508

CHAPPELL, D.  
Oxygen affinity of blood in altitude Sherpas  
p0268 A79-47854

CHASTEY, W. A.  
The evolutionary pattern of exercise-induced ST segment depression  
p0251 A79-49166

CHANDLER, J. A.  
Development of an electrical energy converter for circulatory device [NASA-887360/0]  
p0111 A79-16545

CHANDLER, W. S.  
AWAYS, a research facility for defining flight trainer visual system requirements  
p0062 A79-18207

CHANG, C.  
Prebiotic nucleotide oligomeration in a fluctuating environment - effects of kaolinite and cyanamide  
p0162 A79-29938

CHANG, T.-C.  
Studies on thermoregulation in the rat  
p0162 A79-30019

CHAPIN, P. G.  
Extended duration orbiter life support system options [ASME PAPER 78-EMAS-31]  
p0008 A79-12580

CHAPMAN, D. K.  
Importance of temperature control for HELEX, a biological experiment for Spacelab 1  
p0230 A79-41716

CHAPMAN, D. K.  
Health maintenance and health surveillance considerations for an SPS space construction base community  
[AAS PAPERS 78-776]  
p0099 A79-21273

CHAPMAN, E. V.  
The effects of brain ischemia on the control of breathing in unanesthetized goats  
p0190 A79-23624

CHAPPELL, E. W.  
Determination of antimicrobial susceptibilities on infected stries without isolation [NASA-CASE-GSC-12046-1]  
p0076 A79-19750

CHATTERJEE, T.  
Electromagnetic absorption in a multilayered model of man  
p0226 A79-00650

CHATTERJEE, P. C.  
Effects of partial sleep deprivation on psychological performance and behavior  
p0200 A79-37130

Design, fabrication and utility of a flight oriented performance test  
p0271 A79-49728

Comparative study of hypoxia and other non-invasive stress tests for evaluation of ischaemic heart disease  
p0072 A79-49731

CHELLAPPA, V.  
Human error accidents - Some case studies  
p0076 A79-33191

Chen, S.-W.  
Visually estimating workpiece pose in a robot hand using the feature points method  
p0269 A79-80808

Chen, H.-W.  
Accuracy of 8D approximation for computing light scattering properties of diffusing and motile bacteria  
p0233 A79-42448

CHEO, P. C.  
Mechanisms of plant virus inactivation in soil injected with municipal wastewater and treatment plant sludges (P8-287012/9)  
p0107 A79-16513

CHERNOCHCHOKE, O. B.  
Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range  
p0188 A79-35363

Nonlinear perception of infrared radiation in the 800-1355 nm range with human eye  
p0301 A79-53163

CHERNOV, G.  
Role of the frontal associative region of the cortex in the activity of the auditory and visual sensory systems  
p0043 A79-10437

CHAPPAKIRI, K. N.  
Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic rats  
p0192 A79-23634

CHERRASHRAH, M. C.  
Functional outcomes of prosthetic cardiac valve replacement  
p0076 A79-14766

CHERRASOV, O. A.  
A method of evaluating the pupillary reaction to vestibular stimuli  
p0016 A79-10711

CHERRYTH, P. A.  
Effect of infra-low-frequency magnetic fields on cell division  
p0173 A79-20739

CHERRY, T.-Y.  
Studies on thermoregulation in the rat  
p0162 A79-30019
Effects of uncertainty on manual tracking performance

A complex system for planning scientific medical research

Problem-oriented program approach to planning and management of medicine

Dynamics of impairment of pilot performance in the presence of hypoxia

Probability of caisson disease while wearing a space suit with an atmosphere close to that of earth

Pneumotachographic distinctions of external respiration in man in the presence of excess intrapulmonary pressure on ground level and at high altitudes

Spacecraft's payload specialists, their selection and duties on board

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting

Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system

Effect of brief head-down position on parameters of carbohydrate metabolism and beta lipoprotein content of blood

The Physical Basis of Electromagnetic Interactions with Biological Systems

Electric field measurements within biological media

Sensory illusions - The ophthalmologist's point of view

Distribution of regional volumes and ventilation in excised canine lobes

Heat transfer principles in personal protection applications

Thermal conduction effects in human skin

Experimental data acquisition

Thermal conduction effects in human skin. 1:

Thermal conduction effects in human skin. 3:

Influence of epidermal thickness and exposure time

Low tryptophan diet decreases brain serotonin and alters response to apomorphine

Pharmacologic and ergonomic aspects of Salyut 6 cosmonauts extravehicular activity /IVV/

Development of an objective grading system along with procedures and aids for its effective implementation in flight

Time-sharing ability in complex performance: An expanded replication

Effects of altitude and two discongestant-antihistamine preparations on physiological functions and performance

Measurement and scaling of workload in complex performance

The measurement and scaling of workload in complex performance

Laboratory performance during acute intoxication and hangover

Tracking in two dimensions as a function of dimension priorities and tracking difficulty

Operational consideration of AN/PVS-5 night vision goggles for helicopter night flight

Laser eye protection for flight personnel

Laser eye protection for flight personnel, volume 1

Heat transfer and temperature distribution in the human body

Simulation and control of a human temperature regulation system

Utilization of the wastes of vital activity

Microwave and NP dosimetry

Delayed effects of alcohol ingestion on + Gz tolerance

Four years of color research for visual displays

Predicting coronary artery disease with treadmill stress testing

Changes in N-wave amplitude compared with ST segment depression

'Ucroflora of water reclaimed in sealed compartments

Laboratory performance during acute intoxication and hangover

Performance

Microwave and RF dosimetry

Delayed effects of alcohol ingestion on + Gz tolerance

Four years of color research for visual displays

Predicting coronary artery disease with treadmill stress testing

Changes in N-wave amplitude compared with ST segment depression

Laboratory performance during acute intoxication and hangover

Performance
The relationship between the apparent vertical and aeromedical aspects of flying training with special reference to instructor-pupil relationship [AD-A061175] p0123 879-17548

Evaluation of four target-identification training cockpit thermal stress and aircrew thermal strain [NASA-CR-151843] p0032 879-11730

Changes in lung volume, lung density, and capillary blood flow rate in the rat [NASA-TM-801061] p0291 879-26782

Cardiac changes during behavioral stress in dogs [NASA-CASE-NPO-13930-1] p0076 879-14749

Survey of microwave and radiofrequency biological effects and mechanisms [NASA-CASE-LAR-12320-1] p0223 879-25761


Cardiac changes during behavioral stress in dogs [NASA-CASE-WPD-1930-1] p0076 879-14749

Survey of microwave and radiofrequency biological effects and mechanisms [NASA-CASE-WPD-1930-1] p0076 879-14749
COSTIN, P. A. T.
CORBIN, S. D.
CORBIO, B.
COWAN, N.
COTTON, J. C.
CORSO, U. N.
CRAIG, A.
CDI, R. N.
CDX, U. C.
CDX, A.
CRANE, C. R.
CRANDALL, H. U.
CREAM, B. V.
CRAWFORD, B.
CRISP, C.
CRIBORN, C. O.

Isokinetic exercise: A review of the literature

Cosmic ray effects on the eyes of stationary and centrifuged rats flown on COSMOS 936, experiment E-207

COSTIN, P. A. T.
CORBIN, S. D.
CORBIO, B.
COWAN, N.
COTTON, J. C.
CORSO, U. N.
CRAIG, A.
CDI, R. N.
CDX, U. C.
CDX, A.
CRANE, C. R.
CRANDALL, H. U.
CREAM, B. V.
CRAWFORD, B.
CRISP, C.
CRIBORN, C. O.

Value and limits of the electrocardiogram in aviation medicine evaluations

Augmented feedback in adaptive motor skill training

Universal airborne approach to pilot performance assessment

Clinical importance of directional statistics for electrocardiographic differentiation of smoking habits

Evaluation of the Sierra Engineering Company lightweight helmet

The human micro-environment

Compensation for transport delays produced by computer image generation systems

Discrimination, temperature, and time of day

Synthetic aperture radar operator tactical target acquisition research

Application of Fresnel lenses to virtual image display

Compensation for transport delays produced by computer image generation systems

Dosage sickness in cats - A symptom rating scale used in laboratory and flight tests

Analysis of F2o2 differences during rebreathing due to slow pH equilibration in blood

Reactions of methamidophos with mammalian cholinesterases

Multicore digital switching and flight control workload

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means

Simulator Training Requirements and Effectiveness Study /STRES/
DANIELS, S.

DANCER, A.

DANA, V.

DANA, V.

DANOS, D.

DARER, J.

DALKEY, N.

DAUL, A.

DACCARDI, B. J.

DACANAY, S.

CZERWINSKI, N. C.

CEELOSNIAK, J.

CZEISLER, C. A.

CZEGE, J.

CYRUS, N. L.

CYNADER, N.

CYNERNAN, A.

CTGNAROVICZ, L.

CVETKOVIC, V. S.

Detection of bubbles in decompression sickness

Flight test evaluation of an RAF high altitude protective ensemble

Development and transfer of timesharing skills

Observability of electrical heart activity studied with singular value decomposition

A sample volume tracking unit for pulsed Doppler echocardiography

Adaptive estimation of information values in non-invasive stress tests for evaluation of ischaemic heart disease

Methods for localization of electrical sources in the human brain and applications to the visual system

Influence of habituation, boom level and ensemble time-sharing

Serendipitous solution to the problem of culturing Arabidopsis plants in sealed containers for spaceflights of long duration

Regional heat loss in resting man during immersion in 25.2°C water

Analysis of human speech: On investigating the statistical properties of the populous path algorithm by computer simulation - Counterconclusions to those of Tateno and Mei

Application of pattern recognition to ultrasonic tissue characterization

The role of lesser circulation hemodynamic changes in pulmonary gas exchange

A study of pilot/observer interaction in aligning a helicopter with a target

Seating, console, and workplace design - Integration of literature and accommodation model

Methods for localization of electrical sources in the human brain and applications to the visual system

Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976

Electrocardiographic abnormalities in Air Force personnel

Comparative study of hypoxia and other non-invasive stress tests for evaluation of ischaemic heart disease

Relationship between thermoregulatory drinking and plasma renin activity in the rat

Vestibular Function Research aboard Spacelab [ASME PAPER 78-ENAS-25]

Methods for localization of electrical sources in the human brain and applications to the visual system

The effects of different levels of heat production induced by diathermy and eccentric work on thermoregulation during exercise at a given skin temperature

Influence of skin temperature on sweating and aerobic performance during severe work

Development of an electrical energy converter for circulatory device

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances

Anaerobic threshold alterations caused by endurance training in middle-aged men

A sample volume tracking unit for pulsed Doppler echocardiography

Adaptive estimation of information values in non-invasive stress tests for evaluation of ischaemic heart disease

Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976

Electrocardiographic abnormalities in Air Force personnel

Comparative study of hypoxia and other non-invasive stress tests for evaluation of ischaemic heart disease

Relationship between thermoregulatory drinking and plasma renin activity in the rat

Vestibular Function Research aboard Spacelab [ASME PAPER 78-ENAS-25]

Methods for localization of electrical sources in the human brain and applications to the visual system

The effects of different levels of heat production induced by diathermy and eccentric work on thermoregulation during exercise at a given skin temperature

Influence of skin temperature on sweating and aerobic performance during severe work

Development of an electrical energy converter for circulatory device

Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances

Anaerobic threshold alterations caused by endurance training in middle-aged men

A sample volume tracking unit for pulsed Doppler echocardiography

Adaptive estimation of information values
continuous decision making and control of advanced aircraft
[AD-A067941] p0282 N79-30941

DAVIS, S. H.
The dependence of the CO2 removal efficiency of Bilateral and interhemispheric asymmetry of
LID on humidity and mesh size [ARMS PAPER 78-2945-5] p0006 N79-12554

DAVITASHVILI, G. A.
Bilateral and interhemispheric asymmetry of acoustic evoked potentials during somnolent acoustic stimulation p0159 N79-28735

DAVICHENKO, L. S.
Role of n-aminobenzoic acid in repairing DV and gamma radiation damage p0301 N79-53211

DAVIDOV, B. I.
The time parameter in exposures to microwave radiation p0105 N79-29419

DAVIDOV, G. A.
Time parameter in microwave irradiation p0277 N79-50694

DAVISON, J. C.
Energy expenditures of man during long exposure to a periodically changing atmosphere p0312 N79-33799

DAVIS, S. H.
Psychological training - One of the most important factors of enhancing the safety of space flights [IAF PAPER 79-A-21] p0303 N79-53426

DAVIDOV, R. A.
Effects of LBNP on catecholamines and adrenal cortex p1110 N79-16532

DAWSON, C. A.
Lung inflation and longitudinal distribution of pulmonary vascular resistance during hypoxia p0277 N79-50905

DAY, C. W.
AAA ganmmamod based on observer theory p0087 N79-15594

DEHART, R. L.
Cosmic ray effects on the eyes of stationary and centrifuged rats flown on COSMOS 936, experiment 8-207 p0024 N79-11950

DEHART, R. L.
The point mutation process in proteins p0205 N79-37972

DEHOHN, M. C.
Evolution of early life inferred from protein and ribonucleic acid sequences p0206 N79-37980

DEL RIO, R.
In the measurement of hazardous e.m. fields radiated through an aperture p0233 N79-42486

DEKLEVA, H.
Time course of O2-pulse during various tests of aerobic power p0297 N79-52024

DELANEY, J. L.
Space lab's payload specialists, their selection and duties on-board p0226 N79-40720

DE LEH, D.
Modeling heat transfer through human skin subjected to high external temperatures p0702 N79-23782

DE LEON, R.
Characterization of a novel extremely alkalophilic bacterium p0004 N79-11950

DELOINOS, L. F.
Visual workload of the copilot/navigator during terrain flight p0038 N79-13206

DECKER, F.
Evolution in open systems - Acquisition and conservation of information in bioids p0207 N79-37987

DECKER, R. F.
Inverse assimilation - A general principle of evolution of planetary surfaces p0207 N79-37989

DECKER, R. F.
Influences of dietary fats on coronary flow rate and left ventricular work of the isolated rat heart p0239 N79-26766

DEKERN, J. C.
Human factors aspects of low light level television and forward looking infrared sensor displays. 1: A feasibility study of scaled subjective complexity of still scenes applied to computer image generation [AD-A056938] p0058 N79-13715

DEKETIS, R. L.
The effect of microwave fields on muscle oxygen pressure and temperature in animals previously adapted to hypoxia p0296 N79-51116

DEKETIS, R. L.
Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salyut-6 p0072 N79-16718

DEKETIS, R. L.
Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-6 station p0243 N79-27819

DEKETIS, R. L.
Studies of venous circulation in the crew of the Salyut-5 orbital station p0310 N79-33791

DEHART, R. L.
Evaluation of cardiac risk and subject response to ameliorative efforts p0031 N79-11723

DELL, S.
The comparative study of metabolism changes dynamics during hyperoxia and hypoxia in mice lungs [IAF PAPER 78-51] p0002 N79-11221

DELLOSO, L. F.
Saccadic velocity characteristics - Intrinsic variability and fatigue p0165 N79-30663

DELLOSO, L. F.
The use of biostereometry in helicopter cockpit design p0150 N79-19629

DELSOSO, L. F.
Radio biological investigations in Cosmos 782 space flight /Biobloc SFI experiment/ p0006 N79-12518

DELVECCHIO, E. J.
Physiological aspects of flight p0134 N79-27298

DELVECCHIO, E. J.
Radiological examination of the Rechis and fitness for employment as a helicopter pilot p0151 N79-19634

DELVECCHIO, E. J.
Vertebral pains in helicopter pilots p0153 N79-19656

NETSOS, L. F.
Evaluation of cardiac risk and subject response to ameliorative efforts [AD-A056632] p0019 N79-10739

NETSOS, L. F.
Saccadic velocity characteristics - Intrinsic variability and fatigue p0165 N79-30663

DELOSO, L. F.
The use of biostereometry in helicopter cockpit design p0150 N79-19629

DELSOSO, L. F.
Radio biological investigations in Cosmos 782 space flight /Biobloc SFI experiment/ p0006 N79-12518

DELOSO, L. F.
Workload and the certification of helicopters for TyR operation [AD-A072758] p0318 N79-33850

DELOSO, L. F.
Rehabilitation measures used to restore physical fitness of man after long-term restriction of movement p0110 N79-16538

DELOSO, L. F.
Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite p0299 N79-14750

DELOSO, L. F.

DELOSO, L. F.

DELOSO, L. F.
Evidence for increased intrathoracic fluid volume in man at high altitude p0305 N79-54266

DELOSO, L. F.
Left Anterior Hemiblock (LAM): Diagnosis and aeromedical risk p0029 N79-11715
DORFMAN, P. W.

- Speed and load stresses as determinants of performance in a time sharing task

DOROFEEV, G. I.

- Cyclic nucleotides and adaptation of the organism

DOROKHOYA, B. B.

- Effects of hyperhydration on human endurance of orthostatic and LBNP tests

DOROHEV, V. G.

- Studies of headodynamics and phase structure of cardiac cycle in the crew of Salyut-4

DORW, P. E.

- Metabolism of hydrazine

[AD-A0682351]

- Cardiac cycle in the crew of Salyut-4

DOTT, K. L.

- Computer augmented manual control of remote manipulators

DOW, P. J.

- Computer augmented manual control of remote manipulators

DOYLE, B. L.

- Metabolism of hydrazine

[AD-A0682351]

- Cardiac cycle in the crew of Salyut-4
A biogeochemical study of the Abu Dhabi algal mats

A comparison of verbal and visual imagery learning strategies: Their importance for instrumental technology (AD-A069983)

A study of noninvasive blood pressure measurement techniques

Problems of modeling the mechanism of heart contraction

Space Shuttle environmental control/life support system (ECLS) for life science experiments (JPL PAPER 78-59)

Medical characteristics of the Spacelab life support system (DOLCE PAPER 78-130)

Special test for astronaut selection - Tests of tolerance in the centrifuge and in flight

Tentative estimation of the injuries likely to occur during the crash of a SA 341 Gazelle helicopter, from a study on mannequins

Analysis of population mortality kinetics with application to the longevity followup of the Navy's '1,000 aviators'

Quantitative analysis of eating behavior in aging male Drosophiila melanogaster

Undergraduate pilot training: Visual discrimination training for land task (AD-A066811)

Core temperature measurement in man

Mechanics of breathing during graded exercise measured with the bodyplethysmograph

Experimental approach to the chemical evolution in the primeval sea. I - Formation of amino acids in modified sea medium

Experimental approach to the chemical evolution in the primeval sea. II - Formation of amino acids and amino acid polymers in modified sea mediums

Predominant retrograde blood flow in peripheral blood vessels in some cases of the anterior pituitary gland - Effect on the function of the posterior pituitary gland

A simplified ecosystem

A mathematical scheme for predicting the electro-acoustic frequency response of hearing aid receiver-ear-mold-ear systems

Medical control in prolonged space flights (JPL PAPER 78-63)

Influence of high-altitude conditions on the metabolism of nucleic acids and proteins in the thymocytes of the rat

3'H-tritiated AMP content in rat tissues during hypoxic adaptation and gamma irradiation

Metal porphyrins in pre-Cambrian deposits as a probable evidence for early photosynthesis

Prebiotic condensation reactions using cyanamide

Balance training of the equilibrium organ and its effect on flight strategy

Isolation of a shock-induced circulating cardiodressive substance

Computer design synthesis of a below knee-Syme prosthesis

NNV procedural turn anticipation techniques experiment no. 2, GAT-2A. Phase 3: 2 and 4 nmi offset tracking procedures

Significance of the vibration component to the deleterious effect of impact accelerations

Thermoregulation in Macaca mulatta - A thermal balance study

Evolution of space suit technology (JPL PAPER 79-92)

Predicting coronary artery disease with treadmill stress testing Changes in R-wave amplitude compared with 57 segment depression

Predictive accuracy of Q-X/Q-T ratio, Q-Tc interval, S-T depression and R wave amplitude during stress testing

Responses of crown gall tissue to the space environment: Tumor development and anatomy

Cerebral accident subsequent to G-force loading - A case report

Identification of a tripeptidyl amineopentapeptide in the anterior pituitary gland - Effect on the chemical and biological properties of rat and
bovine growth hormones

Studies on the bioassayable growth hormone-like activity of plasma

Effects of space flight on plasma and glandular concentrations of pituitary hormones

Mineralization in teeth and jaws, as judged radiographically, in rats of the COSMOS-782 experiment

Effects of methylprednisolone sodium succinate on the effects of pilot age, lighting, and head-down time on visual accommodation

The effects of optimal fast response as solved nonlinearly

Robotic vision

Engineering barofunction testing of aviators with otorhinolaryngologic disease

A new case of autochthonous malaria in the Paris region associated with frequentation of airports - Recommendations of prophylactic procedures

Aircrew personnel restraint subsystems definition - Recommendations of prophylactic procedures

The causes of decrements in aircrew performance and stress as analyzed through the study of deficiencies and requirements of the cardiovascular system

Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modeling)

Adaptive estimation schemes for minimizing uncertainty in manual control tasks

Effects of uncertainty on manual tracking performance

Studies on the erythron and the ferrokinetic RBC-fCr-51/half-life and albumin turnover in growing Beagle dogs during chronic radial acceleration

Nanogenenic components of alternate energy sources (CDP-780636-8)

Prebiotic condensation reactions using cyanamide

Real-time computerized fluoroscopic cardiac imaging

Line criteria in target acquisition with television

Target redundancy in visual search - Do repetitions of the target within the display impair processing

Target redundancy in visual search - Do repetitions of the target within the display impair processing

Regulation and efficiency of sweating in man /Mathematical modeling/

Changes in the bioelectrical activity of some cerebral structures in rabbits exposed to microwaves

The importance of providing stereoscopic vision in training for nap-of-the-earth /808/ flight

Role of skin temperature in the control of sweating

A failure criterion for human, vertebral, cancellous bone
A technology assessment of vegetable substitutes for animal protein in human food. Volume 2: Appendices

FABRE, J. R.
Left Anterior Hemiblock (LAH): Diagnosis and treatment

PARRISH, B. O.
Development of high-resolution ultrasonic imaging techniques for detection and clinical assessment of cardiovascular disease

FAFRONNOY, F.
Utilization of the wastes of vital activity

FAJSZI, C.
Photochemical transformations of the visual pigment rhodopsin

FAITELBERG-BLANK, V. N.
Predictive evaluation, and specification of flying qualities by means of step target tracking

FAITELBERG, V. B.
Multiaxis dynamic response of the human head and neck to impact acceleration

FABER, J.
Effect of rocking on absorption of some group B vitamins and ascorbic acid in the small intestine of dogs

FAKRE, B.
Pneumothorax and flight personnel

FADEK, R. D.
Development of high-resolution ultrasonic imaging

FAKE, C. T.
In vivo response of ornithine decarboxylase to amino acid precursors

FAIRES, B. G.
Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man

FALK, N. E.
Effect of different doses of centimeter-band electromagnetic oscillations of the visual pigment rhodopsin

FALCON, D. K.
Pulmonary blood volume and interventricular circulation time in physically trained and untrained subjects

FALKENBORN, G. T.
Potential relationship between human central nervous system injury and impact forces based on primate studies

FALCONE, R. A.
Cardiovascular response to arterial hyperoxia

FALKNER, N. H.
Covalent drops - Primitive forms of precells

FALAH, A. E.
Utilization of the wastes of vital activity

FALONE, M. S.
In vivo as demonstrated by oxidation of C/14-glucose in diabetic rats

FAMEL, V.
Composition of cerebral fluids in goats adapted to high altitude
FISCHER, V. A.
Velocity precision in smooth pursuit eye movements p0129 A79-25399

FISCHER, B.
Smooth pursuit eye movements - Is perceived motion necessary p0139 A79-26375

FISCHER, W. R.
Adaptive supervisory control of remote manipulation p0046 A79-19367

FISHLIS, J. P.
ECG did not condense to give heteropolypeptides on the primitive earth p0133 A79-26542

FISHER, D. B.
Reliability of determining the cardiac output by the method of quadrupole chest impedance cathography p0069 A79-21243

FISHER, E.
Allergy to lanolin [ILL-N 11185] p0142 N79-18570

FICK, R.
A catheter flow probe for measurement of left ventricular source parameters p0274 A79-50108

FILIPENKOV, S. N.
Physiologicohygienic and ergonomic aspects of Skylab 6 cosmonauts extravehicular activity /PFA/ p0303 A79-53946

Probability of cancer disease while wearing a space suit when exiting from a spacecraft with an atmosphere close to that of earth p0244 N79-27826

FILIPPOV, O. V.
Reliability of determining the cardiac output by the method of quadrupole chest impedance cathography p0098 A79-21243

FILIPPOV, G. N.
Problems-oriented program approach to planning and management of medicine p0078 N79-14762

Current status and prospects of continued refinement of planning and coordination of scientific medical research p0078 N79-14765

FINCH, W. L.
A subhuman primate restraint system (AD-4069607) p0279 N79-30915

FINDLER, M. W.
Multi-PFRRER - A learning robot system p0066 A79-18425

FINNEDERG, K. L.
The effects of ambient illumination, aircraft velocity and feedback on absolute distance judgments during simulated night flight p0038 A79-13204

Quantifying operator preference during human factors test and evaluation p0062 A79-18202

FINKER, H. O.
Aircraft noise and its effect on man: Methods and results of research, consequences for environmental protection p0162 A79-29763

FINKELMAN, J. M.
Conjoint effect of physical stress and noise stress on information processing performance and cardiac response p0161 A79-29715

FINNEGAN, J. P.
Transfer of a computer-assisted instrument procedures trainer to flight p0039 A79-13216

FIOSCHER, R.
The role of cognitive switching in head-up displays [NASA-CR-31377] p0318 N79-33851

FISCHER, J. R.
Slight pressure variability of the individual in orthostatic testing p0265 A79-07328

Distinguishing borderline hypertensives from normotensives: A clinical study of 300 aircrmen p0027 N79-11659

FISCHER, M. A.
Medical technology transfer p0048 A79-16138

FISHER, A. B.
Glucose metabolism in rat lung during exposure to hyperbaric 02 p0221 A79-36047

FISHER, H. D.
The development of a digital video subtraction system for intravenous angiography p0294 A79-51033

FISHER, J. E.
Reproducibility of human cardiovascular responses to orthostatic stress p0030 N79-11720

FITZGERALD, G. N.
Process of search control of coordinated movement in man p0166 A79-30701

FITZGERALD, M. G.
Coronary atherosclerosis and fitness for flying p0029 N79-11171

FITZGERALD, M. G.
Fluid and Electrolyte Balance model (FEB) [NASA-CR-160206] p0211 N79-24633

Design specification for the whole-body algorithms [NASA-CR-160226] p0212 N79-24641


Study report on interfacing major physiological subsystem models: An approach for developing a whole-body algorithms [NASA-CR-160232] p0218 N79-25729


User's instructions for the whole-body algorithms [NASA-CR-160233] p0219 N79-25735

FITZPATRICK, E. L.
Hybrid computation of left ventricular performance using noninvasive techniques [AD-4063749] p0190 N79-22758

FITZPATRICK, M.
Development of a solid propellant inflation technique for the subcompact car passenger restraint system, phase I [PB-290328/4] p0178 N79-21775

FLANDROIS, N.
Metabolic adrenergic changes during submariual exercise and in the recovery period in man p0305 A79-58267

FLECKN, C.
Ejection problems and injuries - Their causes, effects and treatments, and suggestions for preventive measures p0267 A79-47330

FLEISHER, T. M.
Cell biology basis for the life of an organism in the radiation field [ANL-TRANS-1152] p0261 N79-29786

FLINK, J. M.

FLOW, A.
Analysis of the intervention of the human factor as a principal cause or influence in accidents of Mirage aircraft in the Belgian air Force p0290 N79-31945

FLOREN, G.
Value and limits of the electrocardiogram in aviation medicine evaluations p0048 A79-15495

FOGEL, C. W.
Test evaluation of space station ECLS' maintenance concepts [ASME PAPER 78-EMAS-81] p0009 A79-12589

FOKO, Y. I.
Prospects of using Japanese quail in biological life support systems p0109 N79-16531

Effect of combination of hypoxia and hypercapnia on survival of Japanese quail p0194 N79-23641

FOGLESONG, E. H.
Modeling heat transfer through human skin subjected to high external temperatures p0102 A79-23672

FOREST, R. L.

B-25
PERSONAL AUTHOR INDEX

FOLBE8TH, O. G.
- Very-large-scale integration - What it means for technical systems and humans
  p0381 A79-32640

FOLBE8TH, O. G.
- Adaptation to chronic hyperxia in the rat - A study of pulmonary surfactant, tissue levels of superoxide dismutases and histology
  p0256 A79-46603

FOLIBIR, O. G.

FOLIISBEE, L. J.
- Response of women mountaineers to maximal exercise during hypoxia
  p0234 A79-43201

FOLLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

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F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.

F0LLENIUS, P.
Tissular metabolism in mixed type fibers of rat skeletal muscles after flight aboard Cosmos-690 biosatellite

Space biology and medicine

Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite

Physiological and ergonomic aspects of Salut 6 cosmonauts extravehicular activity /PFA/

Space biology and aerospace medicine, vol. 12, no. 6 /PMB-72467 /

Principal results of experiment with mammals onboard the Kosmos-782 biosatellite

Problems of human adaption to spaceflight

Space biology and aerospace medicine, no. 2, 1979

Some problems involved in using mathematical methods for evaluation of pathophysiological changes in the body

Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salut-4 station

Combined effect of hyperoxia, low pressure and exercise on the rate of nethyletnone excretion from the human body

Liberation of carbon monoxide by man when working in protective gear

Concentration of trace contaminants during gas chromatography and chromatographic spectrometry in biomedical research

A new application of LBNP to measure orthostatic tolerance before and after O-G simulation /water immersion/

Role of skin temperature in the control of sweating

Study of crew task loading on the C-141A aircraft [AD-A057306]

Petri nets as a modeling tool for discrete concurrent tasks of the human operator

Evidence for the equivalent-background hypothesis in cones

Psychological selection of payload astronauts

The comparative study of metabolism changes dynamics during hypoxia and hyperoxia in mice lungs /IAP PAPER 78-51 /

Principal results of experiment with mammals onboard the Kosmos-782 biosatellite

Computed axial tomography (CAT) /ISS-N-78/4/

Depth perception and manual control

Effects of propellant hydrazines on red blood cells: Methemoglobin and Heinz body formation /AD-A061133 /

Effects of hyperhydration on human endurance of orthostatic and LBNP tests

Control of vertical position after flights aboard the Salut-4 orbital station

Paradoxical reaction of some intracellular antioxidative defense mechanisms during adaptation of the organism to hypoxia

Psychophysiological effects of aging: Developing a functional age index for pilots. 2: Taxonomy of psychological factors [FAA-AM-78-16]


The sensory systems

Cardiovascular regulatory response to lower body negative pressure following blood volume loss

Computer design synthesis of a below knee-Syme system

Analyses for noninvasive monitoring of arterial blood pressure by /1/ phono cuff-sphygmomanometry, for discrete measurements and /11/ arterial ultrasonic imaging, for continuous measurements

Theoretical foundations of cardiovascular processes

Thermoregulation in unrestrained rats during and after exposure to 1.5-4 °C

Microbial load monitor [NASA-CR-160274]

Temperature on task performances

Effect of induced cyclic changes of deep body temperature on performance of a pursuit rotor task

Separation of the effects of raised skin and core temperature on performance of a pursuit rotor task

Hyperventilation in aircrew - A review

Cockpit thermal stress and aircrew thermal strain during routine Jaguar operations

Effect on performance of cycling deep body temperature between 37.0 and 37.6 °C

Disorder in pulsatile flow - Biomedical aspects

Genetic effects of balloon flight in Drosophila

Preliminary selection of candidates for space flights

Disorder in pulsatile flow - Biomedical aspects

Effect on performance of cycling deep body temperature between 37.0 and 37.6 °C

BIODETECTOR, D. P.

Dissertation in pulsatile flow - Biomedical measurements with hot film, laser and ultrasound anemometers

Preliminary selection of candidates for space flights

Biological effects of balloon flight in Drosophila melanogaster
An algorithm to ascertain critical regions of

The effect of a reclined sitting position on

Mechanics of mammalian lung

Effect of rocking on absorption of some group H

Characteristics of proteins of some unicellular

Evaluation of kinesthetic-tactual displays using a

Helicopter commands at the touch of a hand

A comparison of kinesthetic-tactual and visual

Secondary visual workload capability with primary

The use of Na-22 as a tracer for long-term bone

Mathematical modeling of arterial oxygen

Effect of age on relaxed +G sub z tolerance of

Relaxed +Gt tolerance in healthy men - Effect of age

Are evolutionary rates really variable

An overview of helicopter mission specific

Orientation relative to the retina determines

The holographic Pancake Window

Medical qualification procedures for

High-speed computerized tomography

Mechanisms of oxygen toxicity at the cellular level

Correction of transcapillary exchange in man under

Comparison of physiological effects of head-down

Prophylactic effects of intermittent acceleration

A comparison of oculoinstrument and motion parallax

The common occurrence of errors of perceived
distance

Correlation of binocular vision test results with

The influence of hyperbaric environment in
combination with workload and confinement on human information processing

Personality profiles of divers involved in research activities

Psychological selection of Spacelab payload specialists: The evaluation of German applicants

The occurrence of errors of perceived
distance

A comparison of oculonotator and motion parallax
cues of egocentric distance

Prophylactic effects of intermittent acceleration
against physiological deconditioning in simulated weightlessness

Comparison of physiological effects of head-down
tilting and immersion on the human body

Correction of transcapillary exchange in man under the influence of rotation on a centrifuge while immersed in water

A computer-aided technique for reducing
task analysis data

A. I.

AAA gunner model based on observer theory

Pneumotachographic distinctions of external
respiration in man in the presence of excess intrapulmonary pressure on ground level and at high altitudes

Piecemeal Fourier analysis of images and the role of occipital, temporal and parietal cortex in visual perception

Imagery interpreter performance in the comparison of subjective estimates of photographic image quality

Night vision goggles and in-flight focusing refocusing problems in a 08-18 helicopter

Auditory and visual sustained attention during ozone exposure

GOAVEC, A.

A description of the recent neuropsychological
selection of pilots for land forces light aircraft

GOUBY, D. E.

TADAP: A computer-aided technique for reducing
task analysis data

GOTTHEIL, J.

The driving simulator developed by the Institute for Perception Two. A validation study in
straight road driving

Steering behaviour and manual control actions.
Part I: An evaluation of the literature and a research plan

GOER, S. K.

Correlation of binocular vision test results with

synaptophore evaluation

GOTTERS, K. M.

The influence of hyperbaric environment in
combination with workload and confinement on human information processing

[DLR-FB-78-3092]

Personality profiles of divers involved in research activities

[DLR-FB-78-11]

Psychological selection of Spacelab payload specialists: The evaluation of German applicants

[DLR-FB-78-29]

The driving simulator developed by the Institute for Perception Two. A validation study in
straight road driving

Steering behaviour and manual control actions.
Part I: An evaluation of the literature and a research plan

GOEGE, F. C.

The occurrence of errors of perceived
distance

A comparison of oculonotator and motion parallax
cues of egocentric distance

Prophylactic effects of intermittent acceleration
against physiological deconditioning in simulated weightlessness

Comparison of physiological effects of head-down
tilting and immersion on the human body

Correction of transcapillary exchange in man under the influence of rotation on a centrifuge while immersed in water

A computer-aided technique for reducing
task analysis data

A. I.
PERSONAL AUTHOR INDEX

GOODFELLOW, R.
A biogeochemical study of the Abu Dhabi algal mats - A simplified ecosystem
p0305 A79-54254

GOODRE, D.
Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen
p0164 A79-30565

GOODSON, J. E.
Dynamics of an image viewed through a rotating mirror
p0221 A79-3635

GOODWIN, A. E.
External respiration and gas exchange reactions of man during rotation on a short-radius centrifuge
p0293 A79-33802

GOODWIN, P. E.
The physiology of surface-active substances in the lung
p0293 A79-51030

GORDAN, J. R.
Contribution of the retina and of the eye optical system to the modulation of image quality
p0100 A79-22771

GORE, D. C.
A human engineering specification for legibility of alphanumeric symbology on video monitor displays
[AD-A067860] p0197 A79-23667

GORESHUK, A. L.
Investigation of composition of trace contaminants in the atmosphere near the Soyuz-22 spacecraft
p0070 A79-14720

GORDON, J. N.
A biogeochemical study of the Abu Dhabi algal mats - A simplified ecosystem
p0132 A79-26373

GORDON, N. N.
A simplified ecosystem
p0192 A79-23631

GORE, D. C.
A biogeochemical study of the Abu Dhabi algal mats - A simplified ecosystem
p0132 A79-26373

GORDON, J. N.
A simplified ecosystem
p0192 A79-23631

GORDON, N. N.
A simplified ecosystem
p0193 A79-23639

GORDITENKO, A. P.
Role of the visual system in the compensation of vestibular dysfunction
p0166 A79-29971

GORIS, A. I.
Neurophysiological bases of vestibular conditioning
p0013 A79-10699

GORESHUK, A. L.
Investigation of composition of trace contaminants in the atmosphere near the Soyuz-22 spacecraft
p0070 A79-14720

GORTCHAKOVA, E. L.
Biogeochemical study of proteins of gastric and intestinal mucosa of rats flown aboard the Kosmos-605 biosatellite
p0192 A79-23631

GOSSEL, D.
Biological effects of electromagnetic fields
p0166 A79-29971

GOOCH, W.
Analysis of electroencephalogram during psychosensor performance
p0209 A79-38620

GOLDBERG, J. N.
Tolerance of domestic fowl to high sustained •Gz
p0127 A79-24630

GOLDBERG, J. N.
Optimal methods for physiologic research on clothing
[AD-A071855] p0319 A79-33852

GOLDBERG, J. B.
Isolation of a shock-induced circulating cardiodepressant substance
p0257 A79-46967

GOLDBERG, J. N.
Human health damages from mobile source air pollution: A delphi method, volume 1
[pB-288319/7] p0145 A79-18585

GOLDBERG, J. B.
Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen
p0164 A79-30565

GOODSTEIN, E.
Absence of effects of hypoxia on small airway function in humans
p0268 A79-47851

GOODSTEIN, H. S.
Quality of water reclaimed from urine as related to pu of initial product
p0313 A79-33807

GOODSTEIN, H. S.
Phosphorylase a in human skeletal muscle during exercise and electrical stimulation
p0067 A79-18562

GOODSTEIN, H. S.
Comparative study of acetylcholinesterase inactivation in warm-blooded animals and insects with substituted vinyl phosphates
p0121 A79-17527

GOODSTEIN, H. S.
Physiologicohygienic and ergonomic aspects of DASY 6 cosmonauts extravehicular activity /
[pD-87101166] p0303 A79-53486

GOODSTEIN, H. S.
Probability of caisson disease while wearing a helmet for underwater work
p0071 A79-14710

GOODSTEIN, H. S.
Probabilities of a total heart block or ventricular fibrillation during exercise during rotation of man on a short-radius centrifuge
p0294 A79-27826

GOODSTEIN, H. S.
External respiration and gas exchange reactions to exercise during rotation of man on a short-radius centrifuge
p0193 A79-23639

GOODSTEIN, H. S.
External respiration and gas exchange reactions to exercise during rotation of man on a short-radius centrifuge
p0193 A79-23639

GOODSTEIN, H. S.
Effect of adaptation to high-altitude hypoxia on the myocardium
p0255 A79-46500

GOODSTEIN, H. S.
Closed regenerative life support systems for space travel - Their development poses fundamental questions for ecological science
p0068 A79-18590

GOODSTEIN, H. S.
Early cardiovascular adaptation to simulated zero gravity
p0162 A79-29727

GOODSTEIN, H. S.
Electrophysiological investigation of sleep during work-shift regime and production-induced emotional stress
p0276 A79-50655

GOODSTEIN, H. S.
Some forms of adaptation to extreme influences in the blood system
p0256 A79-46679

GOODSTEIN, H. S.
Eye torsion in response to a tilted visual stimulus
p0074 A79-14734
Mechanisms of the effects of vibration frequency, level and duration on continuous manual control performance

The biodynamic response of the human body and its application to standards

Energy supply and demand in California

Effect of alcohol and marijuana on eye movements

Radiobiological investigations in Cosmos 782 space flight /Biohelic SP1 experiment/

Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-4 station

Fluid-electrolyte metabolism in the crew of Salyut-4

Radiation lesion to liver DNA of rats exposed to microwaves

Effects of space flight on plasma and glandular concentrations of pituitary hormones

Blood coagulation and tissue factors of blood clotting in heparinized rabbits submitted to hypoxia

Effects of multiple factors on target acquisition

Lung mechanics: Dynamic response, acoustic generation, and flow limitation

Transient threecoregulatory model with graphics output

Development of an hypothesis for simulating anti-orthostatic bed rest

Study report on modification of the long term circulatory model for the simulation of bed rest

Study report on interfacing major physiological subsystem models: An approach for developing a whole-body algorithm

User's instructions for the whole-body algorithms

User's guide for the Skylab integrated medical data analysis system

Exercise ventilation correlates positively with ventilatory chemosensitivity

Cross-adaptive effects of cold, hypoxia, or physical training on decompression sickness in mice

Evaluation of toxic effects of organic contaminants in recycled water

Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength

Motion sickness susceptibility - A retrospective comparison of laboratory tests

Visual-vestibular interactions. I - Influence of peripheral vision on suppression of the vestibulo-ocular reflex and visual acuity

Mutagenic components of alternate energy sources

Physical and mental working environment in a terminal based computer system

Tissue gas and blood analyses of human subjects exposed to radiation during flight aboard the Kosmos-650 biosatellite

Responses of effectors in plasma and glandular concentrations of pituitary hormones

Blood coagulation and tissue factors of blood clotting in heparinized rabbits submitted to hypoxia

Estimated body rotation as a predictor of motion sickness susceptibility

Physical and mental working environment in a terminal based computer system

Tissue gas and blood analyses of human subjects exposed to radiation during flight aboard the Kosmos-650 biosatellite

Radiation lesion to liver DNA of rats exposed to microwaves

Effects of space flight on plasma and glandular concentrations of pituitary hormones

Blood coagulation and tissue factors of blood clotting in heparinized rabbits submitted to hypoxia

Estimated body rotation as a predictor of motion sickness susceptibility

Physical and mental working environment in a terminal based computer system

Tissue gas and blood analyses of human subjects exposed to radiation during flight aboard the Kosmos-650 biosatellite

Radiation lesion to liver DNA of rats exposed to microwaves

Effects of space flight on plasma and glandular concentrations of pituitary hormones

Blood coagulation and tissue factors of blood clotting in heparinized rabbits submitted to hypoxia

Estimated body rotation as a predictor of motion sickness susceptibility
BERMAN, J. A.
HERIGAULT, B. A.
HERNANDEZ, J.
HERIGAULT, B. A.
PERSONAL AUTHOR INDEX
HERSHBEEGER, N. L.
RICKNAN, J. B., JR.
HETBERIBGTON, N. B.
HIEGEL, H.
HIDSON, U. J.
HICKS,
HIGENBOTTAN, C.
HIGGINS, B. A.
Distribution of phytoplankton in Arkansas lakes [PB-292742/4] p0240 A79-26768
HERNANDO, J.
Spinal injuries in the F/PH-111 crew escape system p0274 A79-49996
HERNANN, R.
Bioinstrumentation for evaluation of workload in payload specialists - Results of AS5255 II [AD-A049794] p0322 A79-12200
HERSBERGER, M. L.
Contrast enhancement using local area brightness and gain control p0037 A79-13199
Synthetic aperture radar operator tactical target acquisition research p0037 A79-13202
HES, R. A.
A rationale for human operator pulsive control behavior p0186 A79-34520
A dual-loop model of the human controller p0115 N79-17480
HETTERINGTON, N. M.
Comparison of circadian rhythms in male and female humans p0004 A79-11947
HETBACH, J. P.
Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat p0005 A79-12474
Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding p0235 A79-43605
Sympathosomal uptake of hypothalamic monoamines and recovery of pituitary-adrenal activity following medial forebrain bundle lesions in rats p0274 A79-50232
HEATY, F. A.
HICKMAN, J. R., JR.
Concurrent loss of consciousness and sino-atrial block during +Gz stress p0202 A79-37714
HICKS, J. A., III
A methodology for conducting human factors evaluations of vehicles in operational field test operations [AD-A061808] p0157 N79-19691
HIDSON, D. J.
Pattern of heat loss from a subject wearing CP temperate-climate combat clothing [AD-A0577746] p0093 N79-15636
HIEGEL, M.
Results of beechtree studies at Calvert Cliffs [39-294261/3] p0261 N79-29789
HITISAL, S. G.
A microangiographic study of the effect of hyperthermia on the rabbit bladder p0618 N79-10732
HICHESTON, C.
Effect of cockpit temperature gradients on the efficacy of single-point measurements p0234 A79-43203
HIGGINS, B. A.
Effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance p0127 A79-24635
Effects of propranolol on Time of Useful Function (TOF) in rats [AD-A068535/4] p0283 N79-31896
HIGGINS, R.
Measurement of skin temperatures of active subjects by wireless telemetry p0011 A79-12872
HIGUCHI, B.
Possible contribution of transferable exogenous DNA in prokaryotic evolution p0205 A79-37971
Possible contribution of transferable exogenous DNA in prokaryotic evolution p0205 A79-37971
HILADO, C. J.
Statistical studies of animal response data from 9YF toxicity screening test method p0066 A79-18305
Two-week studies of survivors from exposures to pyrolysis gases p0066 A79-18307
Weight control and restraint of laboratory rats p0133 A79-26584
HILGEN, J. W.
Distribution of phytoplankton in Arkansas lakes [PB-292742/4] p0240 A79-26768
HILL, R. G.
A literature review-problems definition studies on selected toxic chemicals. Volume 5: Occupational health and safety and environmental aspects of zinc chloride [AD-A056020] p0025 N79-11687
HILL, I. J.
Injury mechanisms analysis in aircraft accidents p0286 N79-231913
HILL, J. W.
Two measures of performance in a peg-in-hole manipulation task with force feedback p0118 N79-17506
HILL, R. C.
Biodynamic effects of canopy loss in the TP-15 aircraft p0163 A79-100651
HILL, R. E.
Aircraft modularized inflight data acquisition system [AD-A064725] p0190 N79-22766
HILLER, A. L.
MM/1, a man - machine interface: A contribution towards a standard [WPL-CSD-27/6] p0197 N79-23669
HILLS, B. A.
Effect of decompression per se on nitrogen elimination p0067 A79-18964
Mechanical vs. ischemic mechanisms for decompression sickness p0154 A79-30656
The lung as a filter for microbubbles p0277 A79-50906
Fundamental biophysical aspects of decompression sickness [AD-A065878] p0315 N79-33827
HILPERTZ, C.
The electrocardiogram recorded by telemetry during a parachute jump, compared to a trace during stress tests - A preliminary study of 29 cases p0256 A79-46600
HIRSCH, D. V.
Masculinity, femininity, androgyny. What really works at work [AD-A061177] p0156 N79-19683
HIRSHOUN, L. N.
Effects of methylprednisolone sodium succinate on elimination p0186 A79-34520
HIRSCH, D. W.
In-flight toxicology of fixed and rotary wing aircraft crew stations
**PERSONAL AUTHOR INDEX**

**HLASTA, M. F.**
Gas exchange under environmental stress [AD-0468622]

**HOBITZ, E. J.**
Bacteria in a North Carolina salt marsh. Standing crop and importance in the decomposition of Spartina alterniflora [PB-288616/2]

**HODGES, G.**
Aircraft flight simulation of spacelab experiment using an implanted telemetry system to obtain cardiovascular data from the monkey [P0147 N79-19022]

**HOPPLES, G. W.**
Skylab medical data evaluation program [S Woodward]

**HOFMANN, J. H.**
Quantitative analysis of selected bone parameters [PB-286152/4]

**HOLSTEIN, C. L.**
Solar radiation, light protection and tanning of human skin [BLI-NTS-11500]

**HOROWITZ, J. N.**
Solar radiation, light protection and tanning of human skin [BLI-NTS-11500]

**HORROCKS, B. A.**
Oxygen problems regarding the interactive touch input via screens in onboard and ground-based flight control [P0061 N79-1979]

**HOSNAN, H. J.**
Incidence of cardiovascular problems among flying personnel and their evaluation [P0182 N79-33186]

**HOTTON, K. D.**
Visual workload of the copilot/navigator during terrain flight [TA? PAPER 79-87]

**HOYER, W. B.**
Visual workload of the copilot/navigator during terrain flight [TA? PAPER 79-87]

**HUBER, B. R.**
The effects of alcohol on driver performance in a decision making situation [P0005 N79-12508]

**HUBBELL, R. D.**
The dynamic oxygen-regulator test stand [AD-0469078]

**HUELMANN, K. H.**
Results of benthic studies at Calvert Cliffs [PB-293510/4]

**HUIDORF, G. B.**

**HUH, J.**
Solar radiation, light protection and tanning of human skin [BLI-NTS-11500]

**HULL, R. T.**
A 25-inch precision color display for simulator visual systems [P0137 A79-28164]

**HUMK, H.**
Human processing of information and the computerized mode of presentation: Ergonomic parameters [P0209 #79-38364]

**HURLE, N. B.**
Life sciences and space research XVIII: Proceedings of the Open Meetings of the Working Group on Space Biology, Tel Aviv, Israel, June 7-18, 1977 [P0005 N79-12508]

**HURLE, N. B.**
The augmentation algorithms and molecular phylogenetic trees [P0070 A79-20267]

**HURLE, N. B.**
Life sciences and space research XVIII: Proceedings of the Open Meeting of the Working Group on Space Biology, Tel Aviv, Israel, June 7-18, 1977 [P0005 N79-12508]

**HURLE, N. B.**
The augmentation algorithms and molecular phylogenetic trees - On the validity of the Goodman-Noore augmentation algorithms [P0253 A79-45645]

**HOLSTEIN, M. G.**
Whole body response research program. Appendix A: Methodology [P0094 N79-15614]

**HOLSTEIN, M. G.**
Quantitative analysis of selected bone parameters [P0022 N79-19668]

**HOLSTEIN, N. S.**
Quantitative analysis of selected bone parameters [P0023 N79-11766]

**HOLZMINDEN, N. B.**
Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermophilic archaeobacteria [P0232 A79-42274]

**HOLZMINDEN, N. B.**
The effects of alcohol on driver performance in a decision making situation [P0005 N79-12508]

**HOBITZ, E. J.**
Bacteria in a North Carolina salt marsh. Standing crop and importance in the decomposition of Spartina alterniflora [PB-288616/2]

**HODGES, G.**
Aircraft flight simulation of spacelab experiment using an implanted telemetry system to obtain cardiovascular data from the monkey [P0147 N79-19022]

**HOPPLES, G. W.**
Skylab medical data evaluation program [S Woodward]

**HOFMANN, J. H.**
Quantitative analysis of selected bone parameters [PB-286152/4]

**HOLSTEIN, C. L.**
Solar radiation, light protection and tanning of human skin [BLI-NTS-11500]

**HOROWITZ, J. N.**
Solar radiation, light protection and tanning of human skin [BLI-NTS-11500]

**HORROCKS, B. A.**
Oxygen problems regarding the interactive touch input via screens in onboard and ground-based flight control [P0061 N79-1979]

**HOSNAN, H. J.**
Incidence of cardiovascular problems among flying personnel and their evaluation [P0182 N79-33186]

**HOTTON, K. D.**
Visual workload of the copilot/navigator during terrain flight [TA? PAPER 79-87]

**HOYER, W. B.**
Visual workload of the copilot/navigator during terrain flight [TA? PAPER 79-87]

**HUBER, B. R.**
The effects of alcohol on driver performance in a decision making situation [P0005 N79-12508]

**HUBBELL, R. D.**
The dynamic oxygen-regulator test stand [AD-0469078]

**HUELMANN, K. H.**
Results of benthic studies at Calvert Cliffs [PB-293510/4]

**HUIDORF, G. B.**

**HURLE, N. B.**
A 25-inch precision color display for simulator visual systems [P0137 A79-28164]

**HURLE, N. B.**
The augmentation algorithms and molecular phylogenetic trees [P0070 A79-20267]

**HURLE, N. B.**
Life sciences and space research XVIII: Proceedings of the Open Meetings of the Working Group on Space Biology, Tel Aviv, Israel, June 7-18, 1977 [P0005 N79-12508]

**HURLE, N. B.**
The augmentation algorithms and molecular phylogenetic trees - On the validity of the Goodman-Noore augmentation algorithms [P0253 A79-45645]
Compensatory reactions of the kidneys to reciprocal interaction between the photopic and scotopic systems of the visual analyzer in man [BLL-RTS-11310] p0119 A79-23632
Human compatibility testing of a 2-man molecular sieve oxygen generating system - The useful visual field size for pattern perception [AD-A059268] p0053 W79-12710
Principal results of experiment with mammals onboard the Cosmos-782 biosatellite p0073 W75-14726
Ultrasonic investigations of the soleus muscle after space flight on the Biosputnik 936 [60-6059742] p0079 879-11477
The combined effect of space flight factors and radiation on rat skeletal muscles p0244 879-27821
Blood clotting factors of the vascular wall and myocardium during hypokinesia p0130 879-26072
Genetic effects of cosmic radiation on bacteriophage T4Br/+/ On materials of biological experiment Soyuz-Apollo/ p0295 A79-51043
Control systems for robots and manipulators p0134 A79-27303
Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads p0160 A79-29270
Immunological reactivity of rats flown aboard Cosmos-605 and Cosmos-690 biosatellites p0248 W79-27824
Combined effect of hyperoxia, low pressure and exercise on the rate of methylketone excretion from the human body p0073 W79-14725
Concentration of trace contaminants during gas chromatography and chromat-mortass spectrometry in biomedical research p0109 W9-178711
Dynamic medical monitoring of flight crews in the course of long-term flights p0072 W79-14719
Regulation and efficiency of sweating in man /Mathematical modeling/ p0097 A79-20622
The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxia /Microcinematographic studies/ p0208 W9-39159
Concentration of trace contaminants during gas chromatography and chromat-mortass spectrometry in biomedical research p0109 W9-16528
Sterols bound with blood plasma proteins and erythrocyte membranes during hypokinesia p0193 W79-23636
Cyclic nucleotides and adaptation of the organism p0133 A79-250610
Possibility of quantitative evaluation of the heart's mechanical activity from seismocardiograms p0276 A79-50658
JACKMAN, E. R.

Telemedicine: An expanding new science on land and sea

JACKSON, J. K.

Biological specimen holding facilities for Spacelab experiments

JACKSON, W. G., JR.

Pereproducibility of Gx tolerance testing

JACOBS, H. K.

The role of skin temperature in the control of sweating

JACKNAN, K. B.

Directional errors of movements and their correction in a discrete tracking task

JAFFE, R. J.

A study of the mechanisms of thigmomorphogenesis in plants, with special reference to the role of ethylene and its significance to research with plants in space

JACOBSON, D. C.

The distribution of cadmium and other metals in human tissues

JARDINE, T. B.

Evaluation of kinesthetic-tactual displays using a critical tracking task

JANICKI, J. S.

Evidence for increased intrathoracic fluid volume in man at high altitude

JANES, D. B.

Evidence for increased intrathoracic fluid volume in man at high altitude

JANES, D. B.

Reproducibility of Gx tolerance testing

JAHNKE, I.

Evidence for increased intrathoracic fluid volume in man at high altitude

JERDE, L.

A study of axonal degeneration in the optic nerves of aging mice

JENNINGS, C. L.

Thermoregulation in Nacaca mulatta - A thermal balance study

JENSEN, N. S.

The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing

JENKINS, G. L.

Ocular illusions in response to straight-ahead acceleration of a CF-104 aircraft

JENKINS, G. L.

The measurement and scaling of workload in complex performance

JENKINS, G. L.

Time-sharing ability in complex performance: An expanded replication

JENKINS, G. L.

The effects of prediction, quickening, frequency separation, and percent of pursuit in perspective displays for low-visibility landing

JENKINS, J. S.

Assessment of spinal disabilities in relation to flying

JEE, K. R.

Roll tracking effects of G-vector tilt and various types of motion washout

JENKINS, R. T.

Thermodilution in Macaca mulatta - A thermal balance study

JENKINS, R. T.

Masculinity, femininity, androgyny. What really works at work

JENKINS, R. T.

Training requirements for helicopter operation with night vision goggles

JENKINS, R. T.

A study of axonal degeneration in the optic nerves of aging mice

JENKINS, R. T.

Senescence changes in the ribosomes of animal cells in vivo and in vitro
Changes in the rotary wing aviator's ability to perform an uncommon low altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue

Visual performance/workload of helicopter pilots during instrument flight

Aviator visual performance: A comparative study of a helicopter simulator and the UH-1 helicopter

KING, P. W.
Evolution of the man-machine interface in surveillance radar systems

KINSEY, J. H.
Response of the rat erythrocyte to ozone exposure

Skylab medical data evaluation program (SMEDEP)

KINSEY, G.
Effects of brief exposure of domestic fowl to very intense acceleration fields

KINREST, L. E.
Sterols bound with blood plasma proteins and erythrocyte membranes during hypokinesia

KING-SMITH, P. E.
Detection of colored stimuli by independent linear systems

KING, A. I.
Various modeling approaches in biomechanics

Anatomical coordinate systems for human body segments

Computation of rigid-body rotation in three-dimensional space from body-fixed linear acceleration measurements

Tolerance of the neck to indirect impact

Simulation of head and neck response to Gsub x and Gsub z impacts

KINNOYER, R. A.
Mechanics of blood flow through normal and stenotic coronary arteries

Edited by procedure for anthropometric survey data

[AD-8065971] p0285 879-25749

KINNOYER, R. A.
Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salyut-4

KINNOYER, R. A.
Mechanics of blood flow through normal and stenotic coronary arteries

KINFEY, D. B.
Echoes drop as a model for precellular structures

KINFEY, D. B.
A critically annotated bibliography of the literature on human factors in computer systems

KINFEY, D. B.
New principles of automation of biomedical research

Current status and prospects of continued refinement of planning and coordination of scientific medical research

The systems analytic approach to the problems of classification of scientific medical research

KINFEY, D. B.
Effect of radio waves of a millimeter frequency
from the human body

Liberation of carbon monoxide by sau when working
in protective gear

Concentration of trace contaminants during gas

dichromatography and chromato-mass spectrometry in

biomedical research

Koch, C.

Evaluation of aircrew fatigue during operational

helicopter flight mission

Kocher, D. C.

Dose-rate conversion factors for external exposure
to photons and electron radiation from

radioisotopes occurring in routine releases from

nuclear fuel cycle facilities

Kochetov, A. K.

Some tests used in the practice of aviation

medical examination for differential diagnosis of

heart diseases

Kodama, A. H.

Continuous metabolic and cardiovascular

measurements on a monkey subject during a

simulated 6-day Spacelab mission

Kohler, S.

Cardiological findings in 155 pilots: Diagnoses and

assessment of their flying fitness

Kojima, R. K.

Miniature implantable ultrasonic echosonorneter

[NASA-CASE-ARC-11035-1]

Northrop Grumman

Ko, B.

Photochemistry and enzymology of photosynthesis

[C00-3326-70]

Ko, J. J.

Evaluation of models describing human operator

control of slowly responding complex systems

A model of the human supervisor

Kolbarov, V. V.

Dynamical characteristics of visual functions

Restoration of color perception after deadapting

flashes

Kolcharov, V. V.

Protein fractions and enzymatic activity thereof

Tissular metabolism in mixed type fibers of rat

skeletal muscles after flight aboard Cosmos-690 biosatellite

in the rat myocardium after the flight on

Kosmos-690 biosatellite

Kolesnikov, N. P.

Changes in metabolism of soleus muscle tissue in

Kolesina, N. B.

Protein fractions and enzymatic activity thereof

Kolbin, A. A.

Dynamical characteristics of visual functions

Kolemyeyev, V. P.

Functional outcomes of prosthetic cardiac valve

replacement

Konovalova, N. S.

Effects of fiber and dye degradation products /FDP/
on burn wound healing

Biological tests of thermal protection afforded by

candidate flight suit fabrics

Biomedical constraints on thermal protective

flight clothing design: A bioengineering analysis

Evaluation of four thermally protective fabrics

using the USAF bioassay method

Mathematical models of skin burns induced by

simulated postcrash fires as aids in thermal

protective clothing design and selection

Knyshov, G. V.

Functional outcomes of prosthetic cardiac valve

replacement

Ko, W. W.

Responses of teachers to aircraft noise

Ko, W. S.

Single frequency RF powered ECG telemetry system

Kobayashi, K.

Sulfite-reducing bacteria and biochemical evolution

Kobayashi, Y.

Effects of regional hemoconcentration during LBP

on plasma volume determinations

Specialized physiological studies in support of

managed space flight

Magnetic field effect on radial processes in

biological membranes

Some forms of adaptation to extreme influences in

the blood system

Kobrble, J. L.

New inventory for the assessment of symptom

occurrence and severity at high altitude

Kobrinetskii, A. A.

The mechanical properties of manipulation systems

Kobrin, T. A.

Studies of venous circulation in the crew of the

Salyut-5 orbital station

Kobzey, L. I.

Combined effect of hyperemia, low pressure and

exercise on the rate of methylketone excretion
INFLUENCE OF HIGH-ALTITUDE CONDITIONS ON THE METABOLISM OF NUCLEIC ACIDS AND PROTEINS IN THE THYROCYTES OF THE RAT

345 CYCLIC AMP CONTENT IN RAT TISSUES DURING HYPOXIC ADAPTATION AND GAS STRESS.

RADIATION LESION TO LIVER DNA OF RATS EXPOSED TO RADIATION DURING FLIGHT AROUND THE KOMOS-620 BIOSTAT.

DNA CONTENT OF ANIMAL ORGANS AFTER FLIGHT AROUND THE KOSMOS-782 BIOMOLE.

INTENSITY OF DNA SYNTHESIS IN ANIMAL ORGANS DURING SPACE FLIGHT ON KOMOS-690 SATellite.

THERMAL EFFECTS DURING THE EXPOSURE OF OCULAR FUNDUS TISSUES TO LASER RADIATION.

SOME TESTS USED IN THE PRACTICE OF AVIATION MEDICAL EXAMINATION FOR DIFFERENTIAL DIAGNOSIS OF HEART DISEASE.

ENDOCRINE TESTS IN EXPERT MEDICAL CERTIFICATION OF FLIGHT PERSONNEL.

THERMAL EFFECTS DURING THE EXPOSURE OF OCULAR FUNDUS TISSUES TO LASER RADIATION.

EXPERIMENT CHLORELLA 1 ON BOARD OF SALYUT 6 [JAP PAPER 78-53] [AP. PAP. 78-53]

THE UTILIZATION OF ORGANIC COMPOUNDS BY PURPLE BACTERIA IN THE PRESENCE OF LIGHT.

THE COMBINED EFFECT OF CARBON MONOXIDE AND HYPOXY IN THE AWAKE RABBIT.

THE ADRENOSYMPATHETIC SYSTEM IN THE PRESENCE OF HYPOXY.

RESPONSES OF PIAL ARTERIOLES AFTER PROLONGED HYPOXIA AND HYPOXIA IN THE AWAKE RABBIT.

PREDICTIVE VALIDITY OF FLIGHT SIMULATORS AS A FUNCTION OF SIMULATROR MOTION.

ADAPTIVE OPTIMIZATION OF EXCHANGE OF GASES IN PLANTS IN A SEALED PHYTotron.

MICROFLORA OF WATER RECLAIMED IN SEALED COMPARTMENTS.

INFLUENCE OF ORBITAL FLIGHT CONDITIONS ON FORMATION OF GENITALS IN MUSCARI RACEMOSUM AND ANTHUS GROVELENS.

EXPERIMENT CHLORELLA 1 ON BOARD OF SALYUT 6 [JAP PAPER 78-53] [AP. PAP. 78-53]

SOIL-DIRECTED MECHANICS OF CONTROLLED MANIPULATORS.

ATMOSPHERIC NEUTRONS [NASA-CE-3126]

THE UTILIZATION OF ORGANIC COMPOUNDS BY PURPLE BACTERIA IN THE PRESENCE OF LIGHT.

THRESHOLD EFFECTS OF RADIATION ON GASTRIC MUCOSA OF RATS.

ATLAS OF THE DOSE CHARACTERISTICS OF EXTERNAL IONIZING RADIATION (HANDBOOK).

THE UTILIZATION OF ORGANIC COMPOUNDS BY PURPLE BACTERIA IN THE PRESENCE OF LIGHT.

THE IMPLICATION OF THE TOTAL VOLUME OF THE RADIATION FIELD ON THE DOSIMETRY OF DNA SYNTHESIS IN SPACEMEN.

THE IMPLICATION OF THE TOTAL VOLUME OF THE RADIATION FIELD ON THE DOSIMETRY OF DNA SYNTHESIS IN SPACEMEN.

THE IMPLICATION OF THE TOTAL VOLUME OF THE RADIATION FIELD ON THE DOSIMETRY OF DNA SYNTHESIS IN SPACEMEN.

THE IMPLICATION OF THE TOTAL VOLUME OF THE RADIATION FIELD ON THE DOSIMETRY OF DNA SYNTHESIS IN SPACEMEN.

THE IMPLICATION OF THE TOTAL VOLUME OF THE RADIATION FIELD ON THE DOSIMETRY OF DNA SYNTHESIS IN SPACEMEN.
On the man's adaptation to the operator's work under stressful conditions of space flight [TAP PAPER 78-A-242] p003 A79-11145
Psychological training - One of the most important factors of enhancing the safety of space flights [TAP PAPER 79-A-24] p030 A79-53426
KUBAL, V.
Real-time computerized fluoroscopic cardiac imaging p0294 A79-51035
KUBOZONO, A.
Selection, training, and health care of working specialists for Shuttle/Spacelab and future space station missions [TAP PAPER 79-99] p0303 A79-53297
KUBIASZKOVA, Z. H.
Effects of vestibular factors on color-discriminating function of the human eyes following color preadaptation p0192 A79-23632
KUBEH, L.
Measurement of skin temperatures of active subjects by wireless telemetry p0011 A79-12872
KUBN, L. A.
Similarity in the number of lifespan heartbeats among non-hibernating homeothermic animals p0298 A79-52261
KUBEH, C.
Evolution of a genetic code simulated with the computer p0100 A79-22081
KUB, H.
Evolution of a genetic code simulated with the computer p0100 A79-22081
KUB, W. R.
The response of selected terrestrial organisms to the Martian environment - A modeling study p0136 A79-27928
KUDEIK, C. G.
Recruitment and discharge properties of motor units in human brachial biceps and adductor pollicis during isometric contractions p0216 A79-25708
KUDESHKOV, ID. A.
Tremometry as a method of evaluating the functional state of the nervous system of a pilot p0300 A79-53065
KULIOV, G. A.
Role of the frontal associative region of the cortex in the activity of the auditory and visual sensory systems p0043 A79-14371
KULIOV, O. B.
Studies of venous circulation in the crew of the Salyut-5 orbital station p0310 A79-33791
KULIKOV, V. P.
KULIKOV, V. P.
Vonolinar optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range p0188 A79-35363
Vononin perception of infrared radiation in the 800-1355 nm range with human eye p0301 A79-53163
KULIA, V.
Effects of partial sleep deprivation on psychological performance and behaviour p0200 A79-37130
Design, fabrication and utility of a flight oriented performance test p0271 A79-49728
KUNECK, I.
Insonus hypersensitivity to contacting cold water and cold air with propagated reflex-like synkynesthesia development (BUL-ETU-11648) p0279 A79-30917
KULNITSCH, K.
Serendipitous solution to the problem of culturing Archidosis plants in sealed containers for spaceflights of long duration p0229 A79-41704
KURFIS, G. M.
Assessment of burns in accident fatalities p0272 A79-49729
KUPCHINSKI, E. A.
Myocardial infarction in young men p0188 A79-35137
KUPPERBACH, A. B.
Experimental investigation of the visual system using one-dimensional Walsh gratings p0160 A79-29249
KUPPERBACH, G. C.
Image interpretation performance in the comparison of subjective estimates of photographic image quality p0036 A79-13191
Refinement of a computer simulation model for evaluating DAIS display concepts p0338 A79-13209
Real-time reconnaissance systems simulator p0139 A79-28175
KUPREETISOV, A. L.
Evaluation of physiological indices during preflight medical examination of pilots p0188 A79-35138
KUOB, R. C.
Flight management research utilizing an oculometer p0001 A79-10389
KUB, T.
Vigilance and electroencephalogram p100 A79-22975
Frequency analysis of heart rate variability under flight conditions p0202 A79-37713
Analysis of electroencephalograms during psychomotor performance p0209 A79-38820
KUDDA, I.
Frequency analysis of heart rate variability under flight conditions p0202 A79-37713
KUSTOV, V. V.
The combined effect of carbon monoxide and normobaric hypoxia on animals p0073 A79-14730
KUZNETSOV, M. P.
Antiothostatic hypokinesia as an approximate model of weightlessness p0108 A79-16520
KUZNETSOV, P. I.
Mathematical model of the respiration rhythm generation process p0259 A79-46268
KUZNETSOV, V. N.
Dyamic medical monitoring of flight crews in the course of long-term flights p0072 A79-14719
KUZNETSOVA, M. A.
Rat behavior in zero g after flight aboard Cosmos-690 biosatellite p0014 A79-10705
KVALSTUD, T. O.
Digital man-machine control systems - The effects of preview lag p0131 A79-26149
Test of the 10 bits/sec channel-capacity hypothesis for human tracking p0253 A79-45771
KVEITYCHANSKI, H.
Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite p0244 A79-27822
LABUTSKII, A. K.
Possibility of quantitative evaluation of the heart's mechanical activity from seismocardiosignals p0276 A79-50658
Specific findings in cardiology and pulmonary function with special emphasis on assessment criteria for flying

Lancaster, R. P.

Detection of coronary artery disease in apparently healthy, asymptomatic airline crew members using thallium-201 myocardial perfusion scintigraphy

Lancraft, R. B.

A comparison of motor submodels in the optimal control model

Landsaw, S. A.

Alterations in erythrocyte survival parameters in rats after 19.5 days aboard Cosmos 196 - Translocation of hemolymphatic and apparent cooperativity

Laube, R. G.

Hypothalamic effects of space flight

Launbroc, J.

Moving phase transitions in laser-irradiated biological tissue

Langley, C. H.

Are evolutionary rates really variable

Langsward, T. A.

Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermoacidophilic 'archaeobacteria'

Lapin, V. L.

Effects of vestibular stimuli on the electrical activity of muscles

Lapteva, B. I.

A method of evaluating the pupillary reaction to vestibular stimuli

Lapshtna, I. A.

Studies of hemodynamics and phase structure of the cardiac cycle in the crew of Salyut-4

Lauck, V. S.

Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting

Larson, B. R.

Stabilization of the horizontal motion of a bipedal walking robot

Larson, V. S.

Stabilization of a bipedal walking machine with incomplete information on its phase coordinates

Larvin, V. L.

Regional blood supply under hypoxic hypoxia
LARKIN, E. C.
LAG, C.
LATEGOLA, H. T.
LASI, G. H.
LASALA, K. P.
LARUSSA, J. A.
LAWSON, C. N.

The holographic Pancake Window
The effects of pilot age, lighting, and head-down
time on visual accommodation

LAWSON, S. N.

Anatomical coordinate systems for human body

LAWSON, R.

Cosmic ray effects on the eyes of rats flown on

Lee, R.

Response of the rat erythrocyte to ozone exposure
The effects of pilot age, lighting, and head-down
time on visual accommodation
The holographic Pancake Window

Lee, H. K.
LEBERDEVA, E. S.
LEBEDEV, A. V.
LEAV, I.
LEAFFER, D.
LEACHTENAUER, J. W.
LEACH, C. S.

Cardiorespiratory assessment of
diastolic-antihypertensive effects on altitude,
+Gz, and fatigue tolerances
A lower body negative pressure box for +Gz
simulation in the upright seated position
Linearization and sensitivity analysis of model
tool for human eye movements
Modeling of visual-vestibular interaction and the
fast components of nystagmus

Labach, L. L.

Anthropometry for designers
Anthropometry
Range of joint motion
Human muscular strength

LaCh, C. Y.

Micronanalytical identification of barium sulphate
thermally-stabilized Chara Rhizoids
Regional coronary blood flow at rest and during
high sustained +Gz in a miniature swine with
subclinical, ischemic, coronary heart disease
due to coronary stenosis
Concurrent loss of consciousness and sino-atrial
block during +Gz stress

LaRUE, G. J.

Human factor engineering test and evaluation of
the US Navy LAMPS helicopter system

Laury, A. D.

The role of the neurohormone system of the
hypothalamus in physiology and pathology

LAF, S.

Organ blood flow, cardiac output, arterial blood
pressure, and vascular resistance in rats
exposed to various oxygen pressures

Lawson, J. L.
NASA flight management research

Lawson, S. M.

Anatomical coordinate systems for human body
segments

Lawhill, T.

Techniques of retinal damage from chronic laser
radiation: Thresholds and mechanisms
The effects of filtering the His-Purkinje system
electrocardiogram

Lee, D.

Cosmic ray effects on the eyes of rats flown on
COSMOS 782

Lee, D. B.

The development of a digital video subtraction
system for intravenous angiography

Lee, T.

Increased survival in experimental dog heatstroke
after reduction of gut flora

Lee, V. N.

Atlas of the dose characteristics of external
ionizing radiation /Handbook/

Lee, H. W.
NEPPN, L. F.

Effects of chronic changes in hemoglobin-02
affinity in rats

Lee, H. K.

A model for predicting human discomfort response
to combined noise and vertical vibration
Human discomfort response to noise combined with
vertical vibration
Discomfort criteria for single-axis vibrations
Effect of helicopter noise on passenger annoyance

Leary, I.

Peripheral acuity and photointerpretation

Leaves, R.

Cosmic ray effects on the eyes of stationary and
centrifuged rats flown on COSMOS 936, experiment

Lee, R.

Cosmic ray effects on the eyes of stationary and
centrifuged rats flown on COSMOS 936, experiment

Lee, R.

Cosmic ray effects on the eyes of stationary and
centrifuged rats flown on COSMOS 936, experiment

Lee, R.

Cosmic ray effects on the eyes of stationary and
centrifuged rats flown on COSMOS 936, experiment
<table>
<thead>
<tr>
<th>PERSONAL AUTHOR INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEE, B. D.</td>
</tr>
<tr>
<td>K-207</td>
</tr>
<tr>
<td>LEE, B. R.</td>
</tr>
<tr>
<td>Biomedical ultrasonoscope [NASA-CASE-ARC-10944-2]</td>
</tr>
<tr>
<td>LEE, S. S.</td>
</tr>
<tr>
<td>Assessment of human exposures to atmospheric benzene [PB-264265/7]</td>
</tr>
<tr>
<td>LEBENS, H. J.</td>
</tr>
<tr>
<td>Some ergonomic aspects of adapting workrooms with visual display units to the human possibilities [12-1978-1]</td>
</tr>
<tr>
<td>LEFF, R. A.</td>
</tr>
<tr>
<td>The assessment of rotary wing aviator precision performance during extended helicopter flights</td>
</tr>
<tr>
<td>An evaluation of perceptual-motor workload during a helicopter hover maneuver [AD-A056016]</td>
</tr>
<tr>
<td>An evaluation of the effects of a stability augmentation system upon aviator performance/workload during a MEDVAC high hover operation</td>
</tr>
<tr>
<td>Changes in the rotary wing aviator's ability to perform an uncoordinated altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue</td>
</tr>
<tr>
<td>Visual performance/workload of helicopter pilots during instrument flight</td>
</tr>
<tr>
<td>Aviator visual performance: A comparative study of a helicopter simulator and the HH-1 helicopter</td>
</tr>
<tr>
<td>LEFF, D. G.</td>
</tr>
<tr>
<td>Procedures used to generate input data sets for the articulated total body model from anthropometric data</td>
</tr>
<tr>
<td>LEMPERE, A.</td>
</tr>
<tr>
<td>LEGGE, E. B.</td>
</tr>
<tr>
<td>Spatial frequency masking in human vision - Binocular interactions</td>
</tr>
<tr>
<td>LEGUAT, C.</td>
</tr>
<tr>
<td>Mitral prolapse and acceleration</td>
</tr>
<tr>
<td>LEGUAT, G.</td>
</tr>
<tr>
<td>Selection of astronaut candidates - Contribution of the exercise ECG and spirometry</td>
</tr>
<tr>
<td>Conduction difficulties of vagal origin in flight personnel - Significance of intrathoracic data on the bundle of His</td>
</tr>
<tr>
<td>Pneumothorax and flight personnel</td>
</tr>
<tr>
<td>The application of vectorcardiography to aerospace medicine</td>
</tr>
<tr>
<td>Detection and supervision of obstructed respiratory flow in fliers. Advantages of debit-volume graphs</td>
</tr>
<tr>
<td>Cardiac conduction and apitude problem of fliers. The benefits of endovaccial recording of the His bundles</td>
</tr>
<tr>
<td>The advantages of ultrasonic echocardiography in the cardiological evaluation of fliers</td>
</tr>
<tr>
<td>LEBNROTH, E. J.</td>
</tr>
<tr>
<td>The toxicology of ozone. A bibliography with abstracts [NTIS/PS-78/1120-1]</td>
</tr>
<tr>
<td>LEHTO, V.-P.</td>
</tr>
<tr>
<td>Scanning and transmission electron microscopy of the blood-bubble interface in decompressed rats</td>
</tr>
<tr>
<td>LEIBRUECHT, R. C.</td>
</tr>
<tr>
<td>Honest I: Personality, heart rate, urinary catecholamine, and subjective fatigue measures related to eight nap-of-the-earth flying [AD-A054888]</td>
</tr>
</tbody>
</table>
containing plastic plugs
[AD-A059956] p0093 879-15638

LEPSKI, A. A.
Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salyut-4
p0072 879-14718

Invention of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft
p0072 879-14720

LEPPER, R. S.
Diffraction-based characterization of biological tissue with ultrasound
p0054 879-13683

LESCHENKO, N. M.
Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation
p0015 879-10709

LESKOV, A. G.
Control systems for robots and manipulators
p0134 879-27303

LEUNG, S.
Human health damages from mobile source air pollution: A delphi method, volume 1
[PA-288319/7] p0145 879-18585

Human health damages from mobile source air pollution: Additional Delphi data analysis, volume 2
[PA-288320/5] p0145 879-18586

LEUSKINA, L. I.
Training of visual recognition
p0160 879-29250

LEVASHOV, O. V.
Elements of the theory of biological analyzers
p0132 879-26450

LEVASSOR, J. Z.
Responses of pial arterioles after prolonged hypercapnia and hypoxia in the awake rabbit
p0101 879-23075

LEVY, W. J.
Acid-base curve nomograp for chimpanzee blood and comparison with human blood characteristics
p0133 879-27105

LEVRETTY, S. D., Jr.
Physiological effect of high, sustained ++z forces on man
p0229 879-41711

LEVINE, M. S.
Changes in apparent body orientation and sensory localization induced by vibration of postural muscles - Vibratory myesthetic illusions
p0163 879-30653

LEVINE, C. H.
An Air Combat Effectiveness Study /ACES/ program
p0040 879-13222

LEVISON, V. H.
Application of control theory to the investigation of roll motion effects on pilot control behavior
[AD-A059042] p0046 879-14972

A model for the pilot's use of roll-axis motion cues in steady-state tracking tasks
[AD-A059054] p0079 879-14772

Evaluation of display and control concepts for a terminal configured vehicle in final approach in a windshear environment
p0090 879-15616

Use of the tilt cue in a simulated heading tracking task
p0091 879-15621

Use of the optimal control model in the design of motion cue experiments
p0118 879-17510

A model for the pilot's use of motion cues in roll-axis tracking tasks
p0118 879-17512

The application of control theory to the investigation of roll motion effects on human operator performance
p0288 879-31931

LEVKOCH, I. I.
The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxemia /Microrheologic studies/
[AD-A059045] p0208 879-38150

A cinematographic technique for investigating some aspects of visual recognition
p0300 879-53067

LEVY, J.
Polyglutaraldehyde - A new reagent for coupling proteins to microspheres and for labeling cell-surface receptors
p0274 879-50230

LEVYTH, E. R.
The child in coma
p0094 879-15890

The control and prevention of seizures in children, a developmental and environmental approach
p0094 879-15892

LEWIS, C. H.
Mechanisms of the effects of vibration frequency, level and duration on continuous manual control performance
p0299 879-52327

The biodynamic response of the human body and its application to standards
p0288 879-31929

LEWIS, C. J. G.
Light weight solid state helmet symbol display and position system
p0046 879-15177

LEWIS, G. W.
Multifunctional transducer
[AD-A065586] p0214 879-25751

The Development of the ACC selection battery: A new procedure to make maximum use of available information when correcting correlations for restriction in range due to selection
[FAA-Am-78-361] 879-25752

The selection of air traffic control specialists: Two studies demonstrating methods to ensure an accurate validity coefficient for selection devices
[AD-A065581] p0281 879-30932

LEWIS, M. F.
Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators
p0297 879-52276

LEWIS, R. A.
Adaptive control of a robotic manipulator
p0046 879-15001

LEVYCTJT, J. Z.
Development of integrated tubing fabric for liquid conditioning undergarments
p0006 879-14415

Development of the CWS-48/P high temperature resistant aramid knit flyer's coverall
[AD-A059128] p0059 879-13716

LIGHT, C. R.
Human skin wetness and evaporative efficiency of sweating
p0162 879-29276

Effect of rate of change in skin temperature on local sweating rate
p0268 879-47853

LIGHTMAN, R. A.
Studies of metabolism, function and mechanism of destruction of red cells
[AD-A070240] p0315 879-33828

LIEBERMAN, J. J.
Applications of chlorophyll fluorescence transient measurements to the functional analysis of photosynthetic processes
p0243 879-27813

LIEBERMEISTER, C.
Investigations about the quantitative changes of carbon dioxide production in humans. Report 2: Carbon dioxide production during fever and its relationship with heat production
[NASA-TM-75652] p0211 879-24632

LIGHT, E. S.
Atmospheric neutrons
[NASA-CN-3126] p0211 879-24631
The effect of acceleration and seat back angle on thermoregulation in the rat

COSMOS 936, experiment K204: The effects of space flight on some liver enzymes concerned with carbohydrate and lipid metabolism in the rat

V. S. LIEN

L. A. LINNIK

G. A. LIKOV

A. P. LIKOS

E. G. LIKOV

G. G. LID

K.-C. LID

P. J. LIONETTI

A. J. LLOYD

S. D. LIVINGSTONE

I. A. LIZINSKII

E. G. LIZTINOVA

H. LITTMANN

D. LESS-SUPER

P. J. LIONETTI

B. J. LISHER

B. J. LISHCRUK

A. J. LIzbek

A. G. LITOV

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.

R. E. LINDBERG

E. K.

A. C. LITTKE

N.

C. V. LII

E. V.

J. H. LINEHAN

J. H.

V. N. LINDBERG

C.

J. C. LIN

J.

G. LINTERN

M. L. LITVINOVA

E. G.
PERSONAL AUTHOR INDEX

LONDON, J. E.
A preliminary toxicological study of silastic 386
foam elastomer: catalyst
[LA-7366-MS]
p0071 A79-14714

LONDON, R. B.
Effects of information processing requirements on
reaction time of the eye
p0064 A79-18219
Effects of information processing requirements on
reaction time of the eye
[AD-A060099]
p0080 A79-14778

LONG, S. A. T.
Hypothermia as an Antineoplastic Treatment Modality
[NASA-CP-2051]
p0017 A79-10728

LONGHURST, T. M., JR.
Pilot performance in simulated aerial refueling as a
function of tanker model complexity and visual
display field-of-view
[AD-A070231]
p0308 A79-32832

LOOMIS, L. L.
Time estimation as a secondary task to measure
workload: Summary of research
p0093 A79-15638

LÖPES-BASILIO, P. L.
General activities related to medical research
[TW-71-FR-6]
p0262 A79-29793

LOS, I. P.
Determination of a generalized output index of a
biological experiment after multiple tests
p0076 A79-14748

LONGEWSKI, W. A.
Criteria for maximum tolerable heat stress. A
proposal
[ZIP-1978-13]
p0114 A79-18583

LORE, D.
The responses of frogs to vestibular and visual
stimulation in weightlessness
p0006 A79-12513

LOCKES, A. B.
Response of warm water manta rays to maximal exercise
during hypoxia
p0234 A79-43201

LUGOHERN, R. H.
The use of synchronous demodulation for the
measurement of eye movements by means of an
ocular magnetic search coil
p0210 A79-39974

LOUVIERE, A. J.
Man and machine design for space flight
p0300 A79-52696

LU, P. E.
Engineering test and evaluation during high G.
Volume 1: Anti-G suits
[AD-A059122]
p0052 A79-12706
Engineering test and evaluation during high G.
Volume 2: Anti-G valves
[AD-A059521]
p0081 A79-14780

LOVRes, E. J.
Human factors evaluations of today's helicopters as
an aid to future systems design
p0150 A79-19627

LOVE, W. P.
Visual requirements for the helicopter pilot
p0151 A79-19636

LOVENSIGHT, H. S.
Exercise performance and hemodynamics during
dietary potassium depletion in dogs
p0067 A79-18959

LOWER, R. S.
A prediction model of arm push strength in the
transverse plane
p0037 A79-13195

LOZAR, C. C.
Establishing habitability factors for the design
of office environments
[AD-A056863]
p0020 A79-10744

LOZERIL, V. S.
Effect of psychophysiological self-regulation on
emotional stability of aviation cadets in flight,
and on effectiveness of assimilation of flight
training program
p0070 A79-14735

LÖ, S. T.
Metabolic and physical scaling in
microwave/radiofrequency bioeffects studies
[SR-3890-1561]
p0316 A79-33831

LOCAX, R. J.
The evolutionary pattern of exercise-induced ST
segment depression
p0251 A79-44166

LUCHEFRA, N. A.
Effect of intermittent hypoxia on functional
activity of peripheral blood neutrophils
p0076 A79-14732

LUCK, R. L.
Renal damage in mice following exposure to the
cyclotron products of polytetrafluoroethylene
p0666 A79-18306

LUCKES, G. M.
Making it in academic psychology: Demographic and
personality correlates of eminence
[NASA-CP-162287]
p0269 A79-31932

LUDEKES, R. O.
A computer system for statistical analysis of EKG
transients
p0216 A79-25707

LUFt, G. C.
Blood volume and cardiopulmonary responses to
lower body negative pressure
p0010 A79-12864
Effects of regional hemoconcentration during LBNP
on plasma volume determinations
p0265 A79-47326
Specialized physiological studies in support of
reduced space flight
[NASA-CR-151876]
p0111 A79-16542

LUN, J.
Advanced industrial robot control systems
[PB-287273/7]
p0113 A79-16558

LUN, B. V.
Calibration of three year old child dummies
[PB-288961/6]
p0157 A79-19692

LUND, D. J.
Extrapolation of pulsed light data in scanned
displays
p0138 A79-20170

LUND, G. F.
An inductively powered telemetry system for
temperature, EKG, and activity monitoring
p0228 A79-11424
Subcutaneous channeling probe
[NASA-CASE-ARC-11091-1]
p0025 A79-11684
Three subcutaneous electrode structures
[NASA-CASE-ARC-11117-1]
p0084 A79-15576
A long-range and long-life telemetry
data-acquisition system for heart rate and
multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
p0299 A79-26762

LUNDGREN, P. R.
Effects of weightlessness on the embryonic
development and aging of Drosophila
p0022 A79-11670

LUNAS, E. W.
A technology assessment of vegetable substitutes
for animal protein in human food. Volume 1:
The study
[PB-204681/4]
p0059 A79-13719
A technology assessment of vegetable substitutes
for animal protein in human food. Volume 2:
Appendixes
[PB-204682/2]
p0059 A79-13720

LOSTICK, L.
Multi-axis dynamic response of the human head and
neck to impact acceleration
p0284 A79-31906

LOTSCHER, M. N.
Biocchemical study of proteins of gastric and
intestinal mucosa of rats flown aboard the
Kosmos-605 biosatellite
p0192 A79-23631

LOUSEW, N. A.
Psychophysiological forecasting of efficiency
p0010 A79-12867

LYON, J.
An operator-aiding manipulator control system
p0269 A79-48020

LYNE, D. J.
Cardiorespiratory assessment of decelerant-stabilized
transients on altitude, +Gz, and fatigue tolerances
p0127 A79-24628

B-55
LYNEV, B.
Effects of vibration on the human organism

LYMBS, J. N.
Enhancing biological production of ammonia from atmospheric nitrogen and soil nitrate

LYSENKO, IV. V.
Nystagmographic characterization of responses to rotation of persons with different vestibular-vegetative stability

MACLEOD, R. D.
The response of selected terrestrial organisms to the Martian environment - A modeling study

MACHALEN, J. D.
Toxicity of high density jet fuel components

MACNAB, K. V.
Statistical studies of animal response data from US4 toxicity screening test methods

MACSKE, G. V.
Rehabilitation measures used to restore physical fitness of man after long-term restriction of movement

MACHTYK, M. R.
Long term pulmonary function patterns in the aviator: The thousand aviator study

MACK, A.
Smooth pursuit eye movements - In perceived motion necessary

MACOVSKI, A.
Iodine imaging using spectral analysis

MADSEN, J. C.
Apparent saturation of blue-sensitive cones occurs at a color-opponent stage

MAJIC, V.
Direction-selective adaptation with very slow motion

MAJEVSKI, P. J.
Roll tracking effects of G-vector tilt and various types of motion washout

MAKETEVA, V. F.
Progress in measuring and modeling the effects of low frequency vibration on performance

MAJER, R.
Heat- and exercise-induced hyperthermia - Effects on high-energy phosphates

MAKINTOSH, P. M.
Changes in the circadian rhythm of performance and mood in healthy young men exposed to prolonged, heavy physical work, sleep deprivation, and caloric deficit

MAGNUS, B.
Closed regenerative life support systems for space travel - Their development poses fundamental questions for ecological science

MAHE, R. W.
Vestibular Function Research aboard Spacelab

MAH, J. T.
Evidence for increased intrathoracic fluid volume in man at high altitude

MAHLEN, L. M.
Development of an electrical energy converter for circulatory device

MAMON, K.
Responses of crown gall tissue to the space environment: Glutamine synthetase activity

MANNFRATZI, R.
Radio tracking of a fin whale /Balaenoptera physalus/

MALLER, R.
The value of measuring ocular tension as a test for detecting glaucoma in flight personnel

MAKES, R. C.
Continuous metabolic and cardiovascular measurements on a monkey subject during a simulated 6-day Spacelab mission

MAKSTRAKIS, E. V.
Automotive control of physiological functions of the human organism in pathology

MAKUSZYN, P. L.
Medical qualification procedures for hazardous-duty aeromedical research

MALIK, F.
Iodine imaging using spectral analysis

MALIK, F. V.
Effect of space flight on cell-mediated immunity

MALKHOVA, A. F.
Clinical and morphological studies of people in the course of long-term hypokinesia and subsequent readaptation

MALLORY, K. N., JR.
Oculographic illusion in response to straight-ahead acceleration of a CF-104 aircraft

MALLON, A.
Effect of exercise on collateral development in dogs with normal coronary arteries

MALLOW, K. A., JR.
Life sciences in the Shuttle era

MALTSEV, V. G.
Self-regulation of cerebral circulation under orthostatic influences

MALTSEV, V. M.
Intestinal autoflora as an indicator of severity of radiation lesion

MALP, S.
The application of remote sensors to a model for fish mapping

MANDEL, A. D.
Effect of space flight on cell-mediated immunity

PERSONAL AUTHOR INDEX

MBOR, K.
Responses of crown gall tissue to the space environment: Glutamine synthetase activity

MAKES, R. C.
Continuous metabolic and cardiovascular measurements on a monkey subject during a simulated 6-day Spacelab mission

MAKUSZYN, P. L.
Medical qualification procedures for hazardous-duty aeromedical research

MALIK, F.
Iodine imaging using spectral analysis

MALLORY, K. N., JR.
Oculographic illusion in response to straight-ahead acceleration of a CF-104 aircraft

MALLON, A.
Effect of exercise on collateral development in dogs with normal coronary arteries

MALLOW, K. A., JR.
Life sciences in the Shuttle era

MALTSEV, V. G.
Self-regulation of cerebral circulation under orthostatic influences

MALTSEV, V. M.
Intestinal autoflora as an indicator of severity of radiation lesion

MALP, S.
The application of remote sensors to a model for fish mapping

MANDEL, A. D.
Effect of space flight on cell-mediated immunity
INERT, P. J.

NANOSETH, U. H.

NARISAI, N. A.

EARNS, H. A.

MAN! , W. A.

NARTIPLY, E. D.

MANSELL, A.

MARA, S. J.

NARCHAL, L.

NARCIRIAK, N.

MARCUSON, H.

NARCUSSEN, W. H.

NARENNYI, A. N.

MARGEL, S.

NARGOLIS, L. A.

HARGULIS, I.

MARKS, N.

MARINO, A. A.

Plasma volume and electrolyte shifts with heavy exercise in sitting and supine positions

Effect of sodium and calcium ingestion on thermoregulation during exercise in man

Improvements in the man-machine interface for data acquisition, display and control

Compact artificial hand

Changes in lung volume, lung density, and thoracic wall changes with positive pressure ventilation in patients with chronic obstructive pulmonary disease

Changes in lung volume and distribution of ventilation during hypobaric decompression

Radiofrequency radiation levels and population exposure in urban areas of the eastern United States

Assessment of human exposures to atmospheric benzene

Adaptation to chronic hyperoxia in the rat - A stereological ultrastructural analysis of the pulmonary vasculature and parenchyma

Clinical importance of directional statistics for electrocardiographic differentiation of smoking habits

Changes in lung volume, lung density, and distribution of ventilation during hypobaric decompression

Two-week studies of survivors from exposures to pyrolysis gases

Radiochemical investigations in Cosmos 782 space flight / Biobloc S9 experiment /

Genetic effects of cosmic radiation on bacteriophage T4 / On materials of biological experiment Soyuz-Apollo /

Polyrotulaldehyde - A new reagent for coupling proteins to microspheres and for labeling cell-surface receptors

Design of polymeric immunosorbers for cell labelling and cell separation

Decreased activity of palladium catalyst during processing of excessa

Biological implications of the Viking mission to Mars

An ultraviolet light induced bacteriophage in Pseudomonas aeruginosa

Space osteoporosis - An electromagnetic hypothesis

Hemodynamics in teenagers and asthmatic children during exercise

Frequency response of cardiovascular regulation in canines to sinusoidal acceleration at frequencies below 1 Hz (basis for biodynamic modelling)

Increased survival in experimental dog heatstroke after reduction of gut flora

Exercise ventilation correlates positively with ventilatory chemoresponses

CO2 and exercise tidal volume

Extended duration orbiter life support system options

Inference interpreter performance in the comparison of subjective estimates of photographic image quality

Development of information theory concepts and equations for human mental processing

Estimating percentiles of nonnormal anthropometric populations - Final report

Estimating percentiles of nonnormal anthropometric populations

Positive pressure breathing as a protective technique in +Gz acceleration

Investigation of the activity of some enzymatic systems in response to a super-high frequency electromagnetic field

Influence of orbital flight conditions on formation of genitalia in Muscari rossomorum and Anethus graveolens
<table>
<thead>
<tr>
<th>NAME</th>
<th>TITLE</th>
<th>PAGE</th>
<th>INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCDOWELL, F. D.</td>
<td>Aircraft flight simulation of Spacelab experiment using an implantable telemetry system to obtain cardiovascular data from the monkey</td>
<td>p0147</td>
<td>N79-19022</td>
</tr>
<tr>
<td>MCDANIEL, C. A.</td>
<td>The development and evaluation of objective frequency domain based pilot performance measures in ASUPT</td>
<td>p0080</td>
<td>N79-16776</td>
</tr>
<tr>
<td>CELHENNEY, J. H.</td>
<td>An inflatable restraint system for the detection of breast carcinoma by ultrasonic attenuation</td>
<td>p0142</td>
<td>N79-18577</td>
</tr>
<tr>
<td>MCCELLIGOTT, J. C.</td>
<td>The use of synchronous demodulation for the measurement of eye movements by means of an oculomotor magnetic search coil</td>
<td>p0210</td>
<td>A79-39974</td>
</tr>
<tr>
<td>MCENULTY, R. F.</td>
<td>Generalized environmental control and life support system computer programs (G1994), phase 3</td>
<td>p0019</td>
<td>N79-10741</td>
</tr>
<tr>
<td>MCFADDEN, E. B.</td>
<td>The objective evaluation of aircrew protective breathing equipment. III - Improved types of mask/goggles combinations. IV - Full face masks and hoods suitable for flight attendant use</td>
<td>p0184</td>
<td>N79-33628</td>
</tr>
<tr>
<td>MCFARLANE, F.</td>
<td>Oxygen equipment and rapid decompression studies</td>
<td>p0289</td>
<td>N79-31937</td>
</tr>
<tr>
<td>MCFARLANE, T. A.</td>
<td>Human factors considerations in establishing aircraft collision avoidance system alert thresholds</td>
<td>p0045</td>
<td>A79-14438</td>
</tr>
<tr>
<td>MCCARTLAND, T. A.</td>
<td>Methodology to assess psychological stress and its impact in the air combat environment</td>
<td>p0057</td>
<td>N79-13707</td>
</tr>
<tr>
<td>MCCARBON, W. J.</td>
<td>Intracranial pressure reduction and regulation systems</td>
<td>p0269</td>
<td>N79-28688</td>
</tr>
<tr>
<td>MCGATHA, R. A.</td>
<td>A real-world assessment of noise exposure</td>
<td>p0155</td>
<td>N79-19680</td>
</tr>
<tr>
<td>MCEHEE, B.</td>
<td>Adaptive locomotion of a multi-legged robot over rough terrain</td>
<td>p0163</td>
<td>N79-30217</td>
</tr>
<tr>
<td>MCGRATH, D.</td>
<td>Cosmic ray effects on the eyes of stationary and centrifuged rats flown on COSMOS 936, experiment K-207</td>
<td>p0024</td>
<td>N79-11678</td>
</tr>
<tr>
<td>MCGRAT, D.</td>
<td>Orientation relative to the retina determines perceptual organization</td>
<td>p0299</td>
<td>A79-52539</td>
</tr>
<tr>
<td>MCEDOLISHILL, G. I.</td>
<td>Use of the systems analytic approach for organization and coordination of complex biomedical research</td>
<td>p0079</td>
<td>N79-14767</td>
</tr>
<tr>
<td>SCHEITER, R.</td>
<td>In-flight measures of stress reduction due to wearing expandable foam earplugs</td>
<td>p0273</td>
<td>A79-49986</td>
</tr>
<tr>
<td>MCKESSER, J. M.</td>
<td>Effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance</td>
<td>p0127</td>
<td>A79-28635</td>
</tr>
<tr>
<td>MCKESSER, J. B.</td>
<td>Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. Volume 1: Design considerations and research protocol</td>
<td>p0273</td>
<td>A79-49986</td>
</tr>
<tr>
<td>MCKESSER, R. H.</td>
<td>The design and construction of a miniature dosimeter for the study of the effects of air cavities in radiation therapy</td>
<td>p0176</td>
<td>N79-21757</td>
</tr>
<tr>
<td>MCNAMARA, M. L.</td>
<td>Dispersal of forest insects</td>
<td>p0148</td>
<td>N79-19596</td>
</tr>
<tr>
<td>MCMILLIN, C. E.</td>
<td>Physical testing of polymers used in circulatory assist devices</td>
<td>p0084</td>
<td>N79-15579</td>
</tr>
<tr>
<td>MCMURRAY, R. G.</td>
<td>Thermoregulation in swimmers and runners</td>
<td>p0227</td>
<td>A79-41186</td>
</tr>
<tr>
<td>MCMURRY, R. L.</td>
<td>Two dimensional eye tracking: Sampling rate of forcing function</td>
<td>p0090</td>
<td>N79-15617</td>
</tr>
<tr>
<td>MCEWE, R. C.</td>
<td>Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft</td>
<td>p0236</td>
<td>A79-43675</td>
</tr>
<tr>
<td>MCKELL, B. J.</td>
<td>The effect of Map-of-the-Earth (MODE) helicopter flying on pilot blood and urine biochemicals</td>
<td>p0055</td>
<td>N79-13693</td>
</tr>
<tr>
<td>MCPHERSON, D.</td>
<td>Time estimation as a secondary task to measure workload: Summary of research</td>
<td>p0093</td>
<td>N79-15634</td>
</tr>
<tr>
<td>MCEWEN, D. T.</td>
<td>Driver steering dynamics measured in car simulator under a range of visibility and roadmaking conditions</td>
<td>p0117</td>
<td>N79-17493</td>
</tr>
<tr>
<td>MCELENBURG, D. J.</td>
<td>Effects of filtering electroencephalographic signals on auditory evoked brain stem responses</td>
<td>p0176</td>
<td>N79-21758</td>
</tr>
<tr>
<td>MEDVDEV, V. I.</td>
<td>Dynamical characteristics of visual functions</td>
<td>p0276</td>
<td>A79-50656</td>
</tr>
<tr>
<td>MEDVDEV, V. S.</td>
<td>Control systems for robots and manipulators</td>
<td>p0134</td>
<td>A79-27303</td>
</tr>
<tr>
<td>MEECH, L. J.</td>
<td>Engineering test and evaluation during high G. Volume 3: Anti-G suits</td>
<td>p0052</td>
<td>N79-12706</td>
</tr>
<tr>
<td>MEEHAN, S.</td>
<td>Multifunctional transducer</td>
<td>p0081</td>
<td>N79-14780</td>
</tr>
<tr>
<td>MEHRBON, P. Z.</td>
<td>Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylyl cyclase and phosphodiesterase systems in the myocardium</td>
<td>p0021</td>
<td>A79-25737</td>
</tr>
<tr>
<td>MEHRBON, K. E.</td>
<td>Reference parameters for shock inputs and shock tolerance limits</td>
<td>p0293</td>
<td>A79-51029</td>
</tr>
<tr>
<td>MEIER-KOLL, A.</td>
<td>Experimental and theoretical investigations concerning a frequency filter behavior of the human retina regarding electric pulse currents</td>
<td>p0284</td>
<td>N79-31905</td>
</tr>
<tr>
<td>Author</td>
<td>Title</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hertz, H.</td>
<td>Eye torsion in response to a tilted visual stimulus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hersh, A. K.</td>
<td>Changes in human renal function in passive head-up and head-down positions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heschenko, I. P.</td>
<td>Engineering- psychological study of information imaging systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HG, P.</td>
<td>Radiological examination of the Rachis and fitmess for employment as a helicopter pilot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hettler, J. D.</td>
<td>Mechanics of breathing during graded exercise measured with the bodyplethysmograph</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meyer, W.</td>
<td>A numerical method of film analysis with differentiation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micheli, G.</td>
<td>Mechanism of the formation of phosphores by X-rays</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michels, D. B.</td>
<td>Distribution of pulmonary ventilation and perfusion during short periods of weightlessness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michels, D. B.</td>
<td>Radiographic comparison of human lung shape during normal gravity and weightlessness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michelsohn, S. R.</td>
<td>Urine collection apparatus [NASA-CASE-MSC-18381-1]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mikhailov, V. N.</td>
<td>Central and cerebral hemodynamics and metabolism of the healthy man during head-down tilting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mikhailova, G. P.</td>
<td>The bloodflow in skeletal muscle capillaries in normoxia and arterial hypoxia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mikhailik, V. F.</td>
<td>Dynamic medical monitoring of flight crews in the course of long-term flights</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mikhailov, V. N.</td>
<td>Effects of hyperhydration on human endurance of orthostatic and LORP tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Antiothorotatic hypokinesia as an approximate model of weightlessness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control of vertical position after flights aboard the Soyuz-6 orbital station</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nikos, K. N.</td>
<td>Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nikols, E. I.</td>
<td>Amino acids in southern Kamchatka hot springs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Personal Author Index**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hertz, A. C.</td>
<td>Quantitative flow estimation with transcutaneous Doppler ultrasound</td>
</tr>
<tr>
<td>Mertens, B. V.</td>
<td>The physiological significance of light for human beings [FAR-LIB-TRANS-1976]</td>
</tr>
<tr>
<td>Mertens, H.</td>
<td>Subjective data in human reliability estimates</td>
</tr>
<tr>
<td>Nezerau, B. N.</td>
<td>Light and color on a manned spacecraft</td>
</tr>
<tr>
<td>Nerserah, P.</td>
<td>A general model for the transfer of vapour through atmospheric neutrons</td>
</tr>
<tr>
<td>Nejer, N.</td>
<td>Development of an electrical energy converter for an operator-aiding manipulator control system</td>
</tr>
<tr>
<td>Nejrihan, S. V.</td>
<td>Ion-molecule condensation reactions - A mechanism for organic synthesis in ionized reducing atmospheres</td>
</tr>
<tr>
<td>Nebert, R. B.</td>
<td>Whole body response research program [PB-286154/1]</td>
</tr>
<tr>
<td>Nebert, R. B.</td>
<td>An apparatus for studying electroretinographic responses under conditions of space flight</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Whole body response research program. Appendix A: Methodology [PB-286154/1]</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Balance training of the equilibrium organ and its effect on flight strategy</td>
</tr>
<tr>
<td>Neijol, J. D.</td>
<td>Man, dummy, test vehicle: A comparison of test results for escape systems with the 3 different test methods</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Atmospheric neutrons [NASA-CR-3126]</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>The responses of frogs to vestibular and visual stimulation in weightlessness</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>An apparatus for studying electroretinographic responses under conditions of space flight</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Tom-molecule condensation reactions - A mechanism for organic synthesis in ionized reducing atmospheres</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Development of an electrical energy converter for driving left heart assist blood pumps [PB-293510/4]</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>An operator-aiding manipulator control system</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Atmospheric neutrons [NASA-CR-3126]</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Speech quality measurement [AD-A056272]</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>The response of a realistic computer model for sitting humans to different types of shocks</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators</td>
</tr>
<tr>
<td>Nejv, W.</td>
<td>A preliminary investigation of aural input/output systems for in-flight information retrieval [AD-A063174]</td>
</tr>
</tbody>
</table>

**B-60**
Hallucinations.

B-61
MITCHELL, R. E.

Long term pulmonary function patterns in the aviator: The thousand Aviator study

MORRISS, J. J.

Eye movements and visual perception

MORSE, W. V.

Atlas of the dose characteristic of external ionizing radiation /Handbook/

MORUSOPO, C.

Transient changes in arterial blood gases and heart rate during and after acutely induced hypoxia and hyperoxia to rabbits

MORGAN, L. S.

Application of learning curves of aircraft produced at more than one location to the F-16 lightweight fighter (AD-065881)

MORRISON, R. W.

The evolutionary pattern of exercise-induced ST segment depression

MORRISON, B. M.

An Air Combat Effectiveness Study /ACES/ program

MORGAN, T.

Visual target acquisition and ocular scanning performance

MORGAN, T.

Visual search for complex targets

MORRISON, N. J.

The role of physical examinations and education in prospective medicine

MORRISON, E. R.

Current role of alcohol as a factor in civil aircraft accidents

MOURE, R. T.

Photometric methods for the analysis of human kinesic responses to impact environments (AD-066206)

MOORE, B.

Human operator identification model and related computer program (NASA-CH-152237)

NOIREH, J.

Development of an electrical energy converter for driving left heart assist blood pumps [96-325415/4]

NOIREH, E. I.

Structure of biokychma as one of the criteria for physiological adaptability of the human organism

NOIREH, L. A.

Evaluation of oxidizability of air in closed area

NOIREH, T. C.

Microflora analysis of a child with severe combined immune deficiency

NOIREH, P.

Evaluation of microw wave fatigue during operational helicopter flight mission

NOIREH, K. E.

Occlusal interference in response to straight-ahead acceleration of a CF-104 aircraft

NORT, L. D.

Two dimensional eye tracking: Sampling rate of forcing function

HEAD, D.

Head tracking at large angles from the straight-ahead position

NORTHSE, S.

Changes in critical duration during dark-adaptation

MONTGOMERY, L. D.

Effect of sodium and calcium ingestion on thermoregulation during exercise in man

MOORE, H. W.

Limb blood flow - Rest and heavy exercise in sitting and supine positions in man

MOORE, T. V.

Prosthesis coupling

MOORE, G. E.

A systematic approach to computer analysis of pulmonary vascular patterns

MOORE, G. W.

On investigating the statistical properties of the popular path algorithm by computer simulation - Counterconclusions to those of Tateno and Neli

MOBA, J.

Porphyrin-like compounds genesis under simulated abiotic conditions

MOBELLI, T.

Microbiological evaluation of the mobile biological isolator system (NASA-CH-162293)

MOORE, T. E.

Spaceflight and bone turnover - Correlation with a new rat model of weightlessness

MOORE, D. J.

Perception of continuity in stroboscopic motion - A temporal frequency analysis

MOORE, T. R.

Joint testing of the RAP high altitude protective suit automatic head enclosure

MOORE, T. R.

An assessment of the RAE Type 'R' full pressure suit automatic head enclosure

MORITSA, H.

On the relationship between pilot rating and pilot dynamics. I - An experimental approach

MOBISHITA, R.

Control by episodic on salt-resistance in bacteria

MOBITZ, T. W.

Human factors considerations in the design and evaluation of a helmet mounted display using a light emitting diode matrix

MORITZ, H. J.

Closed regenerative life support systems for space travel - Their development poses fundamental questions for ecological science

MORITZ, D. L.

Evaluation of oxidizability of air in closed area

MORIN, L. A.

Mirror symmetry breaking in biochemical evolution

MORITZ, T. A.

Methods for studying and criteria for evaluating the biological effects of electric fields of industrial frequency [CONF-780541-1]
PERSONAL AUTHOR INDEX

RODZIOVA, V. P.
Animal endurance to recurrent impact accelerations
p0246 N79-27833

NOOROZVA, N. P.
Distribution of phytoplankton in Arkansas lakes
[PB-292742/4] p0240 N79-26768

NOOROZVA, N. K.
Distribution of phytoplankton in North Carolina lakes
[PB-286757/6] p0081 N79-15573

NOOROZVA, N. K.
Distribution of phytoplankton in Arkansas lakes
[PB-292742/4] p0240 N79-26768

NOOROZVA, N. J.
Effects of vibration on humans - Performance decrements and limits
p0035 A79-13165

NOOROZVA, N. J.
A composite view of task performance in hot environments
p0036 A79-13166

NOOROZVA, N. J.
Man-machine analysis of translation and work tasks of Skylab films

NOOROZVA, J. T.
Plasma volume and electrolyte shifts with heavy exercise in sitting and supine positions
p0161 A79-29336

NOOROZVA, J. T.
Effect of sodium and calcium ingestion on thermoregulation during exercise in man
p0163 A79-30624

NOOROZVA, J. T.
Materials of the final reports on the joint Soviet-American experiment on the Kosmos-936 biosatellite (NASA-TM-75582)
[1979-10571] p0071 N79-10711

NOOROZVA, J. T.
The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement
p0028 N79-11703

NOOROZVA, J. T.
Effect of immeasurable clothing and respirator on work performance. Part 1: Laboratory studies
[SAH-W-77-2132] p0034 N79-11748

NOOROZVA, J. T.
Results of benthic studies at Calvert Cliffs
[PB-294966/1/3] p0261 N79-29788

NOOROZVA, J. T.
Materials of the final report on the joint Soviet-American experiment on the Kosmos-936 biosatellite (NASA-TM-75582)
[1979-10571] p0071 N79-10711

NOOROZVA, J. T.
Effect of alcohol and marijuana on eye movements
p0101 A79-23669

NOOROZVA, J. T.
The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurement
p0028 N79-11703

MUKHIN, L. N.
A review of recent concepts of the problem of the origin of life
p0182 A79-33122

MUKHOPADHYAY, P.
Simulation and control of a human temperature regulation system
p0041 A79-13613

MUKHOPADHYAY, P.
Effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance
p0127 A79-24635

MUKHOPADHYAY, P.
Effects of propranolol on Time of Useful Function (TOF) in rats
[AD-A068535/4] p0283 379-31896

MUKHOPADHYAY, P.
A study of some of the factors influencing the left ventricular diastolic pressure-volume relationship and myocardial metabolism
p0158 N79-19674

MUKHOPADHYAY, P.
Some electric physiological concepts of the 0 wave of ECG
p0201 A79-37138

MUKHOPADHYAY, P.
Closed loop models for analyzing the effects of simulator characteristics
p0087 A79-15598

MUKHOPADHYAY, P.
A decision, monitoring and control model of the human operator in an RPV control problem
p0092 A79-15631

MUKHOPADHYAY, P.
Development of human performance models for man-machine simulation analysis
[AD-A068535/4] p0283 379-31896

MUKHOPADHYAY, P.
Pursuit after-nystagmus
p0201 A79-37138

MUKHOPADHYAY, P.
Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength
p0002 A79-10648

MUKHOPADHYAY, P.
Biological specimen holding facilities for Spacelab experiments
[IAF-PAPER-80-99] p0302 879-53294

MUKHOPADHYAY, P.
Selection, training, and health care of working specialists for Shuttle/Spacelab and future space station missions
[IAF-PAPER-79-99] p0303 879-53297

MUKHOPADHYAY, P.
Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength
p0002 A79-10648

MUKHOPADHYAY, P.
Intestinal transport of hexoses in the rat
[AD-A0263000] p0292 A79-30939

MUKHOPADHYAY, P.
Early cardiovascular adaptation to simulated zero gravity
[IAF-PAPER-79-93] p0302 879-53296

MUKHOPADHYAY, P.
Corded crew performance in commercial aircraft operations
p0040 A79-13219

MUKHOPADHYAY, P.
Isopotential precordial surface maps in patients with acute myocardial infarction
p0098 A79-21245

MUKHOPADHYAY, P.
Early cardiovascular adaptation to simulated zero gravity
p0162 A79-29727

MUKHOPADHYAY, P.
Food and waste management biotechnology for the space shuttle
[IAF-PAPER-79-93] p0302 879-53294

MUKHOPADHYAY, P.
Loop transfer function modeling of ECG signals
p0210 A79-39973

MUKHOPADHYAY, A. G.
Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength
p0002 A79-10648

MUKHOPADHYAY, A. G.
Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength
p0002 A79-10648

MUKHOPADHYAY, A. G.
Isopotential precordial surface maps in patients with acute myocardial infarction
p0098 A79-21245

MUKHOPADHYAY, A. G.
Early cardiovascular adaptation to simulated zero gravity
p0162 A79-29727

MUKHOPADHYAY, A. G.
Experimental determination of maximum permissible exposure to laser radiation of 1.54-micron wavelength
p0002 A79-10648

MUKXHER, H. G.
Equipment for surgical interventions and childbirth in weightlessness
[IAF-PAPER-79-97] p0302 879-53296

B-63
Discrimination of density and clustering on four versions of a stochastic display

Nelson, R. L.  A head-up display for mid-air drone recovery

Nelson, R. D.  Aircraft flight simulation of Spacelab experiment using an implanted telemetry system to obtain cardiovascular data from the noninvasive techniques

Nelson, P. R.  Effects of endurance training on left ventricular dimensions in healthy men

Nelson, A. N.  Beta-adrenergic antagonists: Central effects

Nelson, S. C.  Responses of conscious rabbits to C02 at ambient temperatures of 5, 20, and 35 C

Nelson, P.  Application of an isolated heart model to investigate blood-oxygen delivery

Nelson, V. G.  Radiobiological investigations in Cosmos 782 space flight base

Nelson, N. A.  Development capacity of Artemia cysts and lettuce seeds flown in Cosmos 936 and directly exposed to cosmic rays

Nelson, V. S.  Electrolyte composition of rat blood plasma and skeletal muscles after flight aboard the Cosmos-690 biosatellite
OTTO, D. A.

Carbon monoxide and human time discrimination - Failure to replicate Board-Wertheim experiments

OTTO, D. A.

Determination of muscle mass changes in legs from K-40 measurements

Ou, L.-C.

Hypothermia in rats exposed to high altitude is not due to an overload of catabolic mechanisms

OVCHAROV, V.

The Medusa experiment: An orbital complex tea in space flight (NASA-TM-73104)

OVCHERENKO, V. S.

Characteristics of vestibular nystagmus in rats

OVITZ, T. W.

The development of a digital video subtraction system for intravenous angiography

OWENS, J. H.

Hematopoietic functions in time-shared verbal and tracking tasks [AD-A070275]

OZERNOV, L. C.

Effect of hypoxia on mechanical properties of biocatalyst metabolism: The use of Na-22 as a tracer for long-term bone mineral turnover studies

PABLO, R. F.

Effect of hypoxia on the development of Drosophila melanogaster /Heigen/

PANDY, R. E.

Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness

PANFZLOV, N. E.

Comparison of physiological effects of head-down tilting and immersion on the human body

PARK, L. E.

Energetic aspects of adaptation

PARJANI, N. N.

A three-dimensional mathematical analogue of the spine structure: A comprehensive approach

PANKOVA, L. A.

Comparison of physiological effects of head-down tilting and immersion on the human body

PANT, J. N.

Chemical characteristics of rats after hypoxia and vascular smooth muscle metabolism

PANT, D. A.

Comparative analysis of causes of animal deaths produced by a bistable stroboscopic motion display

PANT, R. J.


PAOS, D. A.

The use of Na-22 as a tracer for long-term bone mineral turnover studies.
The interaction of carbon monoxide and altitude on
The objective evaluation of aircrew protective
Intestinal autoflora as an indicator of severity
Study of pharmaceutical industrial problems
Test and evaluation of head restraints, seat
The effects of carbon monoxide and cyanide on the
Increased survival in experimental dog heatstroke
Characteristics of serious carbon monoxide poisoning
Application of an isolated heart model to
Spermatogenesis in dogs during many years of
State of spermatogenesis in rats flown aboard
Preliminary results of Cytos experiment flows in
Space biology and aerospace medicine
Development capacity of artemia cysts and lettuce
2esetic effects of balloon flight in Drosophila
orphological distinctions of the rat thyroid and
Kosmos-690 biosatellite
flying on pilot blood and urine biochemicals
State of spermatogenesis in rats flown aboard
speciation in dogs during many years of
chronic exposure to gamma radiation and in the
aftereffect period
morphological distinctions of the rat thyroid and
parathyroid following long-term space flights
Radiobiological investigations in Cosmos 782 space
flight /Biobloc SPF experiment/
Seismic effects of balloon flight in Drosophila
melanogaster
Development capacity of artemia cysts and lettuce
seeds flown in Cosmos 936 and directly exposed
to cosmic rays
Space biology and aerospace medicine
Preliminary results of Cytos experiment flows in
Salyut VI - Investigations of Paramecium aurelia
Review of chest deflection measurement techniques
and transducers
Effects of deceleration and rate of deceleration
on live seated human subjects
Contributions of the retina and of the eye optical
system to the modulation lowering of the aerial
image
Measuring systolic time intervals at rest and
under stress by external methods. Advantages in
the evaluation of fliers
Biological experiments carried out aboard the
biological satellite Cosmos-936
Materials of the final reports on the joint
Soviet-American experiment on the Cosmos-936
biosatellite
Publications of the planetary biology program for
1977: A special bibliography
Publications of the planetary biology program for
1978: A special bibliography
Fundamentals of electrical processes in the
electrophysiology of the heart
Response of women mountaineers to maximal exercise
during hypoxia
Speech as a pilot input medium
Thermal bounds to the time of stay of human beings
in enclosures
Tissular respiration of the brain after exposure
to hypertoxic helium and oxygen mixtures
Bandpass channels, zero-crossings, and early
visual information processing
A complex system for planning scientific medical
research
Self-regulation of cerebral circulation under
orthostatic influences
Air-to-air combat skills: Contribution of
platform motion to inertial training
Cardiac reactions in tests on the wearing of the
Yankee Escape System harness during minus G
accelerations in the z direction
Special tests for astronaut selection - Study of
cardiovascular reactions by the orthostasis test
Evaluation of the amount of exposure to vibrations
transmitted to the whole body case of vibrations
due to a loader mounted on catapillar tracks, a fork-lift truck and a hydraulic excavator [RAE-LIB-TRANS-1930]

POLKA, J.
The role of perceived motion in smooth pursuit eye movements

POLIAKOV, E. I.
Myoangiographic characterization of responses to rotation of persons with different vestibular-vegetative stability

POLIS, B. D.
Molecular determinants for the prediction and survival of ischemic anoxic stress pathology

POLYDOVA, L. V.
Experimential Chioroilla 1 on board of Salyut 6 [JAP PAPER 78-53]

POLAK, V.
Thrombically induced retina injury due to high doses of optical radiation

POLAND, G. D.
In-flight toxicology of fixed and rotary wing aircraft crew stations

POWIDZINSKA, C.
Prebiotic molecular evolution

POPOV, I. I.
Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man

POPOV, V. I.
The combined effect of space flight factors and radiation on rat skeletal muscles

POPOLOV, V. I.
The influence of RF electromagnetic fields on the secretory function of the stomach

POSTIKOV, V. S.
Ultrasonic doppler directional blood flow velocity meter [RAE-LIB-TRANS-1918]

POSTON, A. H.
A survey of existing computer programs for aircrew workload assessment [AD-4058518]

POZHAROV, V. P.
A photometric and legibility assessment of Aerospace Optics, Incorporated Vision 20/20 display [AD-4057668]

POSTYSHKO, Y. K.

POZSIK, J.
Clinical applications of new echocardiographic techniques

POZSIK, J.
The distribution of cadmium and other metals in rooms occupied by humans

POZSIK, J.
The combined effect of space flight factors and radiation on rat skeletal muscles

POZSIK, J.
The influence of RF electromagnetic fields on the secretory function of the stomach

POZSIK, J.
Ultrasonic doppler directional blood flow velocity meter [RAE-LIB-TRANS-1918]

POZSIK, J.
A survey of existing computer programs for aircrew workload assessment [AD-4058518]

POZSIK, J.
A photometric and legibility assessment of Aerospace Optics, Incorporated Vision 20/20 display [AD-4057668]
Results of a 640c-loading test applied to patients with an inherited defect in their Cu-metabolism (Kantor disease) [VIT-133-77-04] p0240 A79-26774

PRUE, W.

Locus of the effect of specific practice in continuous visual search p0129 A79-25099

PETICHARD, G. C.

Safety evaluation tests of personal protective equipment for ordnance operations [AD-4058987] p0053 A79-12712

PETITZER, R.

Refinement and validation of a mathematical model of the human torso p0287 A79-27884

A three dimensional discrete element dynamic model of the spine, head and torso p0285 A79-31910

Refinement and validation of a three-dimensional head-spin model (AD-A062502) p0307 A79-32826

PROBE, J.

Standardized examination methods in ergometry p0029 A79-11710

PROPOSKY, E. W.

Microwave frequencies and the structure of the double helix p0082 A79-15559

PROKAVATOLO, E. V.

Decrease in the functional abilities of the heart as a result of exposure of an organism to an electromagnetic field of industrial frequency p0172 A79-20733

PROUST, J.

Genetic effects of balloon flight in Drosophila melanogaster p0006 A79-12520

PRODENT, J.

The use of biostereometry in helicopter cockpit design p0150 A79-19629

PROGNOBRAU, C.

Genetic effects of balloon flight in Drosophila melanogaster p0006 A79-12520

PRAETT, R.

A nonlinear mapping approach to discrimination of sleep stages from the human electroencephalogram p0314 A79-33817

PRESKI, S.

Recurrent training/supernumerary system p0081 A79-13283

PROTEI, U. S.

Accident injuries and flying fitness p0182 A79-33189

PRESNOVIKA, N. G.

Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylcyclase and phosphodiesterase systems in the myocardium p0255 A79-46500

POHMA-CHIEZE, J. P.

Selection and techniques for analysis of indices for visual data reception. II p0087 A79-15494

Choice and techniques of analysis of indices for the perception of visual information. III p0103 A79-23954

POLE, J. R.

Thermal resistance of naturally occurring airborne bacterial spores p0131 A79-26187

PURA, S. C.

Test and evaluation in the acquisition process - A look at the PLZT goggle p0184 A79-33642

PURCELL, D.

Communications management by the remote system - An adaptive approach p0041 A79-13226

PURBIA, R. S.

Investigation of blood subjected to volume tension p0275 A79-50261

PURKARASTA, S. S.

Responses of high altitude natives to a standard cold test at sea level p0164 A79-30658

Q

R

RABB, B. L.

The role of insect dispersal and migration in population processes p0147 A79-19593

RADBOW, V. N.

Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salyut-4 p0072 A79-14718

RADCHENG, W. D.

Plasma-electrolyte metabolism in the crew of Salyut-4 p0311 A79-33972

RADK, H.


RADER, B. J.

Photochemistry and enzymology of photosynthesis [COO-3326-70] p0239 A79-26763

RAFFERT, E.

Cell biology basis for the life of an organism in the radiation field [SCL-TRANS-1152] p0261 A79-29786

RAHMA, D. F.

Continuous metabolic and cardiovascular measurements on a monkey subject during a simulated 6-day Spacelab mission p0229 A79-14713

RAY, K.

Delayed effects of alcohol ingestion on Gz tolerance p0272 A79-49730

Spinal injury pattern due to ejections p0272 A79-49734

RAHGET, N. H.

A model for sensorimotor control and learning p0005 A79-12122

RAHGET, R. C.

Possible impact of radar on pest management operations p0148 A79-19599

RAITZ, L. M.

Biomechanical properties of muscles and the efficiency of movement p0276 A79-50652

RAISNE, A. E.

The evolutionary pattern of exercise-induced ST segment depression p0251 A79-44166

RALCHEF, K. K.

Obtaining growth hormone from calf blood [NASA-TM-75326] p0283 A79-31895

RAMACCI, C. A.

Normal and pathological cardiovascular findings in applicants to the Air Force service p0031 A79-11722

B-73
RASMUSSEN, P. G.

RASHEVSKAIA, D. A.

RAPUTO, A. G.

RAPPAPORT, V. H.

RAPPOPORT, I. A.

RAO, P. K.

RAO, G. U. V.

RANGARAJ, N. R.

RANDALL, D. R.

RAND, P. V.

RANADE, A.

RAMSEY, S. O., JR.

RANSEY, J. D.

RAMSEY, H. R.

RAMBAUT, P. C.

RAMAWNA, N.

RAHACHANDRAN, N.

RANACHANDRAN, N. personal author index

Visual performance assessment through clear and sunscreen-treated windows
[AD-A0597570] p0080 A79-14775

The optical properties of smoke-protective devices
[FAC-AM-78-41] p0242 A79-26784

RASHUSSEN, R. E.

Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system
[AD-A069822] p0283 A79-31987

RASSON, B.

The retinal resolving power measured by laser interference fringes
p0304 A79-54091

RASSEYATHE, V. V.

Dynamic medical monitoring of flight crews in the course of long-term flights
p0072 A79-14719

RATLIFF, P. R.

A comparison of verbal and visual imagery learning strategies: Their importance for instrumental technology
[AD-A069983] p0308 A79-32833

RATLIFF, J. D.

A comparison of verbal and visual imagery learning strategies: Their importance for instrumental technology
[AD-A069983] p0308 A79-32833

RATTNER, B. A.

Cross-adaptive effects of cold, hypoxia, or physical training on dehydration sickness in mice
p0268 A79-47855

RAUFT, B.

Effect of electromagnetic fields on long-, medium-, and short-wave ranges on biological objects
p0185 A79-33713

RAULIN, F.

Incorporation of sulphur in chemical evolution
p0203 A79-37938

Abundance of organic compounds photochemically produced in the atmospheres of the outer planets
p0210 A79-39075

RAY, G. C.

Radio tracking of a fin whale /Balaenoptera physalus/

RAY, L. L.

Citic acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms
[PB-289490/5] p0170 A79-20718

Citic acid enhancement of copper sulfate toxicity to the blue-green algae "Aphanizomenon floe-aguae" and "Microcystis aeruginosa"
[PB-291637/7] p0189 A79-22751

RAY, W. J.

Evaluation of biofeed therapy
[PB-287777/7] p0123 A79-17543

Evaluation of clinical biofeedback
[PB-287776/9] p0123 A79-17544

RAYULL, B. I.

Effects of electromagnetic field induction on development of the green algae, scenedesmus quadricauda (Turbpin) Breb. and composition of the blue-green algae "Aphanizomenon floe-aguae" and "Microcystis aeruginosa"
[PB-291637/7] p0189 A79-22751

READER, D. C.

Head acceleration and psychomotor performance
p0135 A79-27559

Pilot incapacity in flight
p0291 A79-31950

REELS, J. P.

The use of aviation pathology and aviation medicine as proof of liability and damage
p0100 A79-22704

REELS, W. J.

The use of aviation pathology and aviation medicine as proof of liability and damage
p0100 A79-22704

REBAR, A. K.

Telemetry of intracranial pressure
p0227 A79-41400

REASON, J. T.

Voluntary movement control and adaptation to cross-coupled stimulation
p0099 A79-12860

REBOULET, B. C.

Photoelectric methods for the analysis of human kinematic responses to impact environments

PERSONAL AUTHOR INDEX

B-79
B-77
SABOROY, K. A.

Changes in the bioelectrical activity of some cerebral structures in rabbits exposed to microwaves

p018 A79-35917

SABDE, B. P.

Control of vertical position after flights aboard the Salyut-4 orbital station

p0311 A79-33793

SABDAPAVYA, A. N.

A trade-off analysis design tool: Aircraft interior noise-motion/passenger satisfaction model

p0112 A79-16549

RUDY, E. N.

Flight prototype CO2 and humidity control system [NASA-CH-160224]

p0225 A79-25760

RUDY, Y.

The eccentric spheres model as the basis for a study of the role of geometry and inhomogeneities in electrocardiography

p0226 A79-40649

RUNNALL, R.

Investigation of the effect on mechanical properties of control elements on human control performance under stochastic roll vibrations [N9V-PPW-78-11]

p0146 A79-16539

RUMBLER, J. A.

Life sciences experiments in the first Spacelab mission [SAS PAPER 78-78926]

p0008 A79-12575

SABDE, B. P.

Combined effect of hyperoxia, low pressure and exercise on the rate of methylketone excretion from the human body

p0073 A79-14725

SABDE, B. P.

Psychosis in air force flight personnel during the last 25 years

p0103 A79-23957

SABDER, N.

Stable reactions to simulated sonic booms - influence of habituation, boom level and background noise

p0097 A79-20502

SABDOY, V. Y.

Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft

p0072 A79-14720

SABINE, F.

Computed axial tomography (CAT) [ISS-N-78/4]

p0262 A79-29791

SABIN, E. R.

Biological effects of nonionizing electromagnetic radiation. Volume 2, number 4: A digest of current literature [AD-A055565]

p0055 A79-13689

SABRIOV, K. A.

Immunophysiological aspects of man's adaptation to highland

p0188 A79-35123

SACHAL, J.

Relating performance in basic electricity and electronics and A schools [AD-A065914]

p0085 A79-15584

SACKER, R. A.

Hemodynamics in teenagers and asthmatic children during exercise

p0133 A79-27102

SACKS, E. J.

Medical barofunction testing of aviators with otorhinolaryngologic disease

p0298 A79-52285

SADHER, B.

Geotropism of hornet comb construction under persistent acceleration

p0006 A79-12514

SADOVSKY, T. L.

A prediction model of arm push strength in the transverse plane

p0037 A79-13195

SAPOROV, V. A.

Mathematical model of the respiration rhythm generation process

p0254 A79-86268

SAPOROVA, E. H.

Amino acids in southern Kamchatka hot springs

p0182 A79-33122

SAGAR, C.

Exobiology and the origin of life [NASA-CR-157988]

p0081 A79-14782

SAGAR, E.

Effect of hyperoxia on mechanical properties of hyperthyroid cat papillary muscle

p0296 A79-51111

SAGE, R. W.

Distribution of bluegreen algae in a Mississippi Gulf Coast salt marsh [FPA-288902/2]

p0158 A79-19667

SAGEL, S. A.

Maximizing storage stability of foods to be used for resupply in a controlled ecological life support system: Evaluation of research [NASA-CR-158846]

p0260 A79-28880

SARKAR, B. J.

Low tryptophan diet decreases brain serotonin and alters response to apomorphine

p0226 A79-40672

SADDA, S.

Useful visual field size for pattern perception

p0129 A79-25098

SAIKA, R.

Development of adaptation to hypodynamics on the life and its readaptability to ambulatory life state in rats during exposure to high altitude

p0301 A79-53285

SAIVE, V. D.

Using color substitution pupil response to expose chromatic mechanisms

p0265 A79-47116

SALIO, G.

Vigilance and electroencephalogram

p0100 A79-22975

SALIO, G.

Analysis of electroencephalograms during psychomotor performance

p0209 A79-38820

SALOOGI, T.

Effects of dietary composition on nutritional state in rats during exposure to high altitude

p0134 A79-27118

SALOOGI, T.

Effects of dietary composition on nutritional state in rats during exposure to high altitude

p0134 A79-27118

SALOOGI, T.

Effects of dietary composition on nutritional state in rats during exposure to high altitude

p0134 A79-27118

SALOOGI, T.

Measurements of pilot workload during low altitude and high speed maneuvers of F-1 supersonic jet fighter

p0209 A79-38821

SALOV, V.

Stress in air traffic controllers: A restudy of 32 controllers 5 to 9 years later [FPA-48-78-80]

p0144 A79-18581

SALIDAR, J. T.

A new case of autochthonous malaria in the Paris region associated with frequentation of airports - Recommendations of prophylactic procedures

p0104 A79-23958
Noninvasive techniques in the evaluation of the peripheral circulation. 

Engineering-technological study of information imaging systems.

Phosphorylase a in human skeletal muscle during exercise and electrical stimulation.

Oxygen affinity of blood in altitude Sherpas.

Temperature uniformity in hyperthermic tumor therapy.

Effect of restricted activity on vestibular function.

Utilization of the wastes of vital activity.

New inventory for the assessment of symptom occurrence and severity at high altitude.

Utilization of the wastes of vital activity

Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system.

Effect of exercise and electrical stimulation

Protective approaches in the moderation of the physiological effects of extreme ambient conditions in helicopter operations.

Health effects associated with diesel exhaust emissions, literature review and evaluation.

Recognition by the human eye of colored symbols on different backgrounds.

Visual acuity with regard to simultaneous colored contrast on a television screen - Results.

Providing an eye separator on a color cathode tube.

Occlusor performance of aviators during an autorotation maneuver in a helicopter simulator.

COSMIC ray effects on the eyes of rats flown on COSMOS 782.

Life stress, organizational stress, and job satisfaction.

Effects of laser radiation on morphology of peripheral blood and bone marrow under experimental and clinical conditions.

Medical biological research within the framework of the scientific program 'Intercosmos'.

Impact tests on crash helmets for motor cyclists.

Microbial Check Valve for Shuttle

Models for automated motor skills training

Cross-validation of regression equations to predict performance in a pursuit tracking task

Biomechanical properties of muscles and the efficiency of movement.

COSMIC ray effects on the eyes of rats flown on COSMOS 782.

Effects of hyperhydration on human endurance of orthostatic and LBNP tests

Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-4 station

Methods for studying and criteria for evaluating the biological effects of electric fields of industrial frequency

Effects of exercise, vitamin E, and ozone on carboxylation of amines in oxidative atmosphere

Ensuring medical fitness on entry and during service in aircrew in IAF
Pilot-optimal augmentation synthesis

Telemetry of intracranial pressure

Noninvasive cardiovascular measurements

Suprathreshold retinal damage due to single 6 picosecond 1060 nm laser light pulses

Man, dummy, test vehicle: A comparison of test results for escape systems with the 3 different test methods

Balance training of the equilibrium organ and its effect on flight strategy

Methodological and operational aspects of programmed environment research

Aerodynamic forces exerted on an articulated human body subjected to waddling

Studies of limb-dislodging forces acting on an ejection seat occupant

Bimodal relationship of human tremor and shivering on introduction to cold exposure

A real-world assessment of noise exposure

Protection against laser beams

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Human engineering study of information processing

Micronanomorphological identification of barium sulphate crystals in statoliths of Chara Milioides

Respiration
results of research, consequences for environmental protection

SCHOLTZE-WINTROP, H. C.
Backache in OH-ID helicopter crews

SCHOLLE, R.
Aviation-medicine appraisal as part of the fitness regulations in transportation

SCHWACHER, W.
Petri nets as a modeling tool for discrete concurrent tasks of the human operator

SCHEDE, D. E.
A prediction model of arm push strength in the transverse plane

SCHWAN, H. P.
Classical theory of microwave interactions with biological systems

SCHWARTZ, B. N.
Effect of brief head-down position on parameters of carbohydrate metabolism and beta lipoprotein content of blood

SEIDEN, D. A.
Combined effect of hyperoxia, low pressure and exercise on the rate of methylketone excretion from the human body

SEGAL, S. S.
Effects of glycogen depletion and workload on postexercise O2 consumption and blood lactate

SELIVRA, A. D.
Techniques of measurement

SEIFERT, A. A.
Selection of astronaut candidates - Contribution of the exercise ECG and spirometry

SELIVRA, A. C.
Nitral tussis and acceleration

SEIDEN, D. J.
Development of recommendations to improve controls and monitoring of man-machine systems

SELIVRA, A. C.
Combined discrete network-continuous control modeling of man-machine systems

SEITBER, B.
Mechanisms of oxygen toxicity at the cellular level

SELF, H. C.
The application of vectorcardiography to aerospace medicine

SEKES, B.
Nitrate fermentation in Clostridium perfringens

SELIBRA, A. I.
Study STRES/

SEKES, B.
Mitral prolapse and acceleration

SELIVRA, A. C.
Combined discrete network: Continuous control modeling of man-machine systems

SELIVRA, A. C.
SAINT: A combined simulation language for modeling man-machine systems

SELIVRA, A. I.
The effect of hyperoxia on the oxygen tension of
The human operator in the control system: Linear models

STEINBACH, K. H.
Cell biology basis for the life of an organism in the radiation field
[ANL-TRANS-1152]
p0261 A79-29786

STEINER, K. H.
The effect of expectations on slow oculomotor control. I - Periodic target step displacements
p0225 A79-40185

STEINBERG, K. H.
Quality of retinal image stabilization during small natural and artificial body rotations in man
p0225 A79-40187

STELINGOVSKY, K. Y.
Compensatory reactions of the kidneys to orthostatic factors
p0015 A79-10708

STELLA, A. F.
Nonlinear optical susceptibility of the human eye to IR radiation in the 800 to 1355 micron range
p0188 A79-35363

Nonlinearity perception of infrared radiation in the 800-1355 nm range with human eye
p0301 A79-53163

STELLEN, R. P.
Prediction of pilot-aircraft stability boundaries and performance contours
p0118 A79-17507

STENZHOFF, A. H.
Stability of circadian system of the body
p0073 A79-14723

STENZHOFF, V. I.
Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness
p0244 A79-27625

STERN, R.
Citrin acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms
[pb-289430/5]
p0170 A79-20718

STERN, R. S.
Citrin acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms
[pb-289430/5]
p0170 A79-20718

STERNY, R.
Effect of ultrasonic irradiation on mammalian cells and chromosomes in vitro
p0134 A79-27239

STESSON, L.
Effectiveness of hypobaric decompression by means of bubble detection
[pd-286698/6]
p0112 A79-165147

STEFANOV, A. A.
Evaluation of fluoropolymer membranes in oxygenators
[pb-28949015]
p0170 N79-20718

STEFANOV, V. I.
The morphogenetic responses of cultured totipotent cells of carrot (Daucus carota L.) at zero gravity
p0021 A79-11657

STEWART, G. K.
The role of insect dispersal and migration in population processes
p0147 A79-19593

STICKLAND, A. C.
Life sciences and space research XVI: Proceedings of the Open Meetings of the Working Group on Space Biology, Tel Aviv, Israel, June 7-18, 1977
p0005 A79-12508

STINNER, R. E.
The role of insect dispersal and migration in population processes
p0147 A79-19593

STOCK, R.
Clozapine metabolism in humans
[SL-7TS-10902]
p0142 A79-18567

STOCK, R. W.
Renal damage in mice following exposure to the pyrolysis products of polytetrafluoroethylene
p0066 A79-18306

STOCKWELL, C. W.
Biped stability considerations with vestibular models
p0066 A79-18287

STOKES, J. W.
Sustained operations and sleep deprivation - effects on indices of stress
p0099 A79-12659

Construction in space - Toward a fresh definition of the man/machine relation
p0187 A79-34985

STOLL, B. N.
Heat transfer principles in personal protection
p0015 A79-14723
applications

Thermal conduction effects in human skin

Thermal conduction effects in human skin. 1: Experimental data acquisition

Thermal conduction effects in human skin. 3: Influence of epidermal thickness and exposure time

The assessment of rotary wing aviator precision performance during extended helicopter flights

Light vision goggles and in-flight evaluation of the inside/outside refocusing problems in a UH-18 helicopter

Changes in the rotary wing aviator's ability to perform at unusual low altitude rearward hover maneuver as a function of extended flight requirements and aviator fatigue

Human compatibility testing of a 2-man molecular sieve oxygen generator

Evaluation of the Sierra Engineering Company lightweight helmet

Missile missile crew fatigue and 24-hour alerts

The role of computer technology mathematical models in treatment of patients following heart surgery

Arm-leg reach and workspace layout

A photometric and legibility assessment of Aerospace Optics, Incorporated Vivitar 20/20 display

On the latency of human visually evoked response to sinusoidal gratings

Comparative experiments on performance and fatigue effects on pilots using tracking tests and physiological measurement parameters

Molecular absorption of non-ionizing radiation in biological systems

Effect of infra-low-frequency magnetic fields on cell division

Physiological requirements for design of environmental control systems - Control of heat stress in high-performance aircraft

Flight index of thermal stress /FITS/ - guidance for hot-weather aircraft operations

Effect of cockpit temperature gradients on the validity of single-point measurements

Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft

Heat and acute dehydration effects on acceleration response

Flight index of thermal stress: Development of intraocular guidance for hot-weather USAF operations

Flight index of thermal stress: Relation to weather conditions at ATC and TAC bases

Visual performance modeling in the human operator

simulator

Optimization of pilot capability and avionic system design

Hybrid computation of left ventricular performance using noninvasive techniques

Apparent saturation of blue-sensitive cones occurs at a color-opponent stage

Direction-selective adaptation with very slow motion

Pulmonary blood volume and interventricular circulation time in physically trained and untrained subjects

The influence of intermitent aircraft noise on sleep

Extrapolation of pulsed light data in scanned displays

Changes in properties of rat femur as a result of extended flight factors and its readaptability to ambulatory life

Motion sickness in cats - A symptom rating scale used in laboratory and flight tests

Direction-selective adaptation with very slow motion

Changes in properties of rat femur as a result of extended flight factors and its readaptability to ambulatory life

The role of computer technology mathematical models in treatment of patients following heart surgery

Arm-leg reach and workspace layout

A photometric and legibility assessment of Aerospace Optics, Incorporated Vivitar 20/20 display

On the latency of human visually evoked response to sinusoidal gratings

Comparative experiments on performance and fatigue effects on pilots using tracking tests and physiological measurement parameters

Molecular absorption of non-ionizing radiation in biological systems

Effect of infra-low-frequency magnetic fields on cell division

Physiological requirements for design of environmental control systems - Control of heat stress in high-performance aircraft

Flight index of thermal stress /FITS/ - guidance for hot-weather aircraft operations

Effect of cockpit temperature gradients on the validity of single-point measurements

Tracking-task performance during heat stress simulating cockpit conditions in high-performance aircraft

Heat and acute dehydration effects on acceleration response

Flight index of thermal stress: Development of intraocular guidance for hot-weather USAF operations

Flight index of thermal stress: Relation to weather conditions at ATC and TAC bases

Visual performance modeling in the human operator

simulator
TAYLOR, G. R.

Microfluor analysis of a child with severe combined immune deficiency p0004 A79-11900

TAYLOR, J. T.

Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system [AD-A069822] p0283 A79-31897

TAYLOR, L. S.

The Physical Basis of Electromagnetic Interactions with Biological Systems [NEW-POD-FA-78-8055] p0081 A79-15551

TAYLOR, R. M.

The psychologist in aircraft accident investigation p0291 A79-31996

Geographical disorientation and flight safety p0291 A79-31951

TAYLOR, T. I.

Metabolic rate meter and method [NASA-CASR-RSC-12239-1] p0175 A79-27550

TAYLOR, W. D.

Distribution of phytoplankton in Arkansas lakes [PB-289742/4] p0240 A79-26768

TAYLOR, W. S.


TAYLOR, R. A.

The psychologist in aircraft accident investigation p0291 A79-31996

Geographical disorientation and flight safety p0291 A79-31951

TEBETTS, J.


Guidelines for fit testing and evaluation of USAF personal-protective clothing and equipment [AD-A065981] p0197 A79-23668

Analysis of body size measurements for US Navy women's clothing and pattern design [AD-A068600] p0290 A79-31939

TECHER, W. M.

Visual search for complex targets p0208 A79-38557

TIESE, T. P.

Effects of chronic changes in hemoglobin-02 affinity in rats p0185 A79-33808

TIETEETA, R. A.

Ototokinetic motion sickness - Attenuation of visually-induced apparent self-rotation by passive head movements p0135 A79-27558

TELL, E. N.

Life support systems for biological specimens in the Shuttle/Spacelab [AERON PAPER 78-ERAS-38] p0009 A79-12585

TELL, E. A.

Measurements of radiofrequency field intensity in buildings with close proximity to broadcast stations [PB-290944/6] p0975 A79-25750

Radiofrequency radiation levels and population exposure in urban areas of the eastern United States [PB-292655/4] p0241 A79-26779

TEMPLETON, T. E.

Compensation for transport delays produced by computer image generation systems [AD-A056720] p0019 A79-10738

TEEMAN, F.

Influences of dietary fats on coronary flow rate and left ventricular work of the isolated rat heart p0230 A79-26766

Effects of dietary fats on the coronary flow rate and the left ventricular function of the isolated rat heart p0239 A79-26767

Aspects of dietary prevention of arteriosclerosis p0262 A79-29792

TEISSER, K. J.


TEPPER, R. W.

Between incident and accident p0292 A79-31953

TERPOGGISSID, K. S.

Computerized positron emission tomography /PET/ for the assessment of myocardial integrity p0293 A79-51031

TERRY, S. C.

A study of noninvasive blood pressure measurement techniques p0294 A79-51036

TESSAN, D.

Computer augmented manual control of remote manipulators p0269 A79-48019

TESKY, R. J.

Nonshivering thermogenesis in normal and dystrophic muscle p0054 A79-13680

TETYPOR, A.

Mechanisms of the formation of phosphates by X-rays p0006 A79-12516

TECKRAY, R. E.

The effect of increased monitoring load on vigilance performance using a simulated radar display p0236 A79-43674

Visual search performance during simulated radar observation with and without a sweepline [AD-A068020] p0281 A79-30938

THEDISS, G. F.

Human compatibility testing of a 2-man molecular sieve oxygen generator [AD-A058248] p0053 A79-12710

THIES, D. B.

The local and time-dependent temperature field in the body of a homothermic organism in case of sudden changes of quantity and local distribution of internal heat production p0128 A79-24699

THOMAS, D. J.

Medical qualification procedures for hazardous-duty aeromedical research p0026 A79-11695

Multiaxis dynamic response of the human head and neck to impact acceleration p0284 A79-31996

Transient intraventricular conduction defects observed during experimental impact in human subjects p0285 A79-31907

THOMAS, R. E.

The distribution of cadmium and other metals in human tissues [PB-285200/2] p0057 A79-13703

THOMAS, R. G.

A preliminary toxicological study of silastic 386 foam elastomer: catalyst (LAB-3766-85) p0071 A79-14714

THOMPSON, C. D.

Extended duration Orbiter life support definition [AERON PAPER 78-ERAS-42] p0009 A79-12588

Test evaluation of space station ECLSS maintenance concepts [AERON PAPER 78-ERAS-43] p0099 A79-12589

THOMPSON, D. A.

The development of a six degree-of-constraint robot performance evaluation test p0117 A79-17504

THORPSON, R. G.

Compensation for transport delays produced by computer image generation systems [AD-A056720] p0019 A79-10738

THOMPSON, R. W.


THORNB, P. W.

Individual differences in knowledge acquisition from maps [AD-A065040] p0196 A79-23663

THORBOM, W.

Anthropometric changes in weightlessness p0032 A79-11735

THORSLER, R.

A model for vestibular function in altered
gravitational states

TICKER, R. G.  
Noninvasive assessment of pulmonary hypertension using bubble ultrasonic imaging (BUI) method, part 2  
[PB-283935/5]  
p0051 A79-12699

TICE, J. D.  
A comparison of occlusion and action parallax cues of egocentric distance  
p0305 A79-54253

TIFFANY, F. R.  
Discrimination of density and clustering on four versions of a stochastic display  
p0036 A79-13192

TIGRANYAN, B. A.  
Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite  
p0299 A79-52475

TIGRANYAN, B. A.  
Radiation lesion to liver DNA of rats exposed to radiation during flight aboard the Kosmos-690 biosatellite  
p0014 A79-10702

Principal results of experiment with animals onboard the Kosmos-782 biosatellite  
p0073 A79-14726

DNA content of animal organs during space flight on Kosmos-690 satellite  
p0073 A79-14728

Effects of space flight factors on electrolyte composition of rat skeletal muscles  
p0109 A79-16530

Sterols bound with blood plasma proteins and erythrocyte membranes during hypokinesia  
p0193 A79-23636

Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite  
p0294 A79-27822

Electrolyte composition of rat blood plasma and skeletal muscles after flight aboard the Kosmos-690 biosatellite  
p0311 A79-33795

Intensity of DNA synthesis in animal organs after flight aboard the Cosmos-782 biosatellite  
p0311 A79-33796

TICKER, R. G.  
The time parameter in exposures to microwave radiation  
p0105 A79-24419

Effect of microwave radiation on the resistance of rats to transverse acceleration loading  
p0275 A79-50946

Time parameter in microwave irradiation  
p0277 A79-50949

TICHEREHOVA, G. F.  
The effect of hypokinesia on animal resistance to chemical agents  
p0199 A79-16524

TILLEY, J. B.  
The distribution of cadmium and other metals in human tissues [PB-285200/2]  
p0057 A79-13703

TILTON, H. B.  
ISAC-1 - A color crossing robot  
p0138 A79-28168

TIMBAL, J.  
Relations between research and instruction in physiology and aerospace ergonomics in the military health sciences  
p0104 A79-23960

TIMBERLAKE, G. T.  
Laser Doppler technique for measurement of eye movement  
p0233 A79-42450

TIMOFEEV, A. V.  
Robots and artificial intelligence  
p0061 A79-17569

TIMOFEEV-BELISKY, N. Y.  
Materials of the final reports on the joint Soviet-American experiment on the Kosmos-936 biosatellite [NASA-TM-75582]  
p0071 A79-14711

TINDLE, J. R.  
Effects on A-5E bombardier/navigator flight training with the introduction of device 2P114, A-5E weapon system trainer [AD-A068067]  
p0289 A79-31933

TIKRONOVA, U. P.  
Soviet-American experiment on the Eosmos-936 biosatellite  
p0138 A79-28168

TIRIYAK, V. S.  
Training with the introduction of device 2F114, biosatellite  
p0014 A79-14429

TOMASHEVSKAYA, L. A.  
Investigation of the activity of some enzymatic systems in response to a super-high frequency electromagnetic field  
p0076 A79-14737

TOMURA, T.  
The origin of the protein synthesis mechanism  
p0027 A79-37986

TOPPEL, D. A.  
Computer-graphic design for human performance  
[AD-A055132]  
p0046 A79-15399

TOPPATTI, D.  
Capillary fragility during air exposure of man to 1-5 ATA and after decompression  
p0010 A79-12863

Organ blood flow, cardiac output, arterial blood pressure, and vascular resistance in rats exposed to various oxygen pressures  
p0135 A79-27557

TOLLA, T.  
Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite  
p0294 A79-27822

TORNAH, T. G.  
Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermophilic 'archaeobacteria'  
p0224 A79-27822

TOUCHSTONE, R. W.  
The effect of increased monitoring load on vigilance performance using a simulated radar display  
p0236 A79-43674

Visual search performance during simulated radar observation with and without a sweepline  
[AD-A068020]  
p0281 A79-30938

TOUSSAINT, G.  
The abundance of organic compounds photochemically produced in the atmospheres of the Outer Planets  
p0210 A79-39075

TOUSSAINT, G.  
The responses of frogs to vestibular and visual stimulation in weightlessness  
p0006 A79-12513

TOWE, B. C.  
X-ray backscatter imaging  
p0176 A79-21754

TOWLE, V. L.  
Objective determination of human visual acuity from the visual evoked potential  
p0228 A79-61423

TOWNSEND, T. H.  
Effects of phase manipulation on speech intelligibility through communication headsets  
p0164 A79-30654

TREANOR, B. A.  
Microbiological evaluation of the mobile biological isolator system [NASA-CR-162293]  
p0307 A79-32822

TREANOR, J. J.  
Workload and the certification of helicopters for safety operation  
[AD-A072758]  
p0318 A79-33850

TREANOR, J. J.  
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples  
p0160 A79-28993

TREANOR, J. J.  
A helmet protects the aviator’s head — or does it  
[AD-A068020]  
p0311 A79-33796

TREANOR, J. J.  
The effect of thermal stimulation of the skin on activity of lateral cranial interneurons of lumbar segments  
p0208 A79-38147

TREANOR, J. J.  
Some neurochemical characteristics of rats after space flight in the Cosmos-936 satellite  
p0299 A79-52475

TREANOR, J. J.  
Isaac-1 — A color sensing robot  
Effects on A-5E bombardier/navigator flight training with the introduction of device 2P114, A-5E weapon system trainer [AD-A068067]  
p0289 A79-31933

TREANOR, J. J.  
Preliminary results of Cytos experiment flows in Salyut VI - Investigations of Paramecium aurelia  
p0299 A79-41709

TREANOR, J. J.  
The effect of increased monitoring load on vigilance performance using a simulated radar display  
[AD-A068020]  
p0281 A79-30938

TREANOR, J. J.  
Visual search performance during simulated radar observation with and without a sweepline  
[AD-A068020]  
p0281 A79-30938

TREANOR, J. J.  
The responses of frogs to vestibular and visual stimulation in weightlessness  
p0006 A79-12513

TREANOR, J. J.  
The effect of thermal stimulation of the skin on activity of lateral cranial interneurons of lumbar segments  
p0208 A79-38147

TREANOR, J. J.  
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples  
p0160 A79-28993

TREANOR, J. J.  
The helmet protects the aviator’s head — or does it  
[AD-A068020]  
p0318 A79-33850

TREANOR, J. J.  
 investigations of Paramecium aurelia  
p0299 A79-41709

TREANOR, J. J.  
The effect of increased monitoring load on vigilance performance using a simulated radar display  
[AD-A068020]  
p0281 A79-30938

TREANOR, J. J.  
Visual search performance during simulated radar observation with and without a sweepline  
[AD-A068020]  
p0281 A79-30938

TREANOR, J. J.  
The responses of frogs to vestibular and visual stimulation in weightlessness  
p0006 A79-12513

TREANOR, J. J.  
The effect of thermal stimulation of the skin on activity of lateral cranial interneurons of lumbar segments  
p0208 A79-38147

TREANOR, J. J.  
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples  
p0160 A79-28993

TREANOR, J. J.  
The helmet protects the aviator’s head — or does it  
[AD-A068020]  
p0318 A79-33850
UDUPA, K. J.
Homomorphic analysis and modeling of ECG signals

UENO, T.
Spatial summation in human vision - Simple reaction time measurements

UHRHANNER, T. J.
Development of an electrical energy converter for driving left heart assist blood pumps

ULLIAR, S.
Potential relationship between human central bandpass channels, zero-crossings, and early visual information processing

URSANO, R. J.
Retinal site of transient tritanopia

URTERHARNSCHEIDT, V. V.
Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

UTIDJIAN, H. N. D.
Arousal from sleep by emergency alarms: Implications from the scientific literature

UTKIN, V. H.
Follow-up and transversal study of vital capacity and FEV1 values among personnel of the Belgian Army forces

VALBERG, A.
Temperature effects on shape and function of human granulocytes

VALENTON, J. N.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on platelet aggregation

VALLOT, C.
Retinal site of transient tritanopia

VALLOT, V.
Visual acuity with regard to simultaneous colored contrast on a television screen - Results

VALOY, C.
Early diagnosis for decompression sickness. Changes in the blood found shortly after decompression. Part 2: Experiments on rats

VALMA, J.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on platelet aggregation

VAN BEAUNONT, N.
Effect of sodium and calcium ingestion on thermoregulation during exercise in man

VAN BEIJN, L. S.
Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

VANCOTT, R. P.
Arousal from sleep by emergency alarms: Implications from the scientific literature

VAN DER BEEDE, J. J.
Development and evaluation of instrument systems for noninvasive detection, characterization and quantification of atherosclerotic lesions

VANDERSCHANS, G. P.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin S sub 1 esters and their inhibiting properties on platelet aggregation

VANDEWEGHE, H.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on platelet aggregation

VANDERSCHARS, G. P.
Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

VANDERVAART, J. C.
Arousal from sleep by emergency alarms: Implications from the scientific literature

VANDERVOET, J. P.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on platelet aggregation

VANCEK, P.
Evaluation of the risks involved in the application of tritium gas and measures which have to be taken

VAN EVENDORF, E.
Preparation of some prostaglandin E sub 1 omega-homo-prostaglandin E sub 1 esters and their inhibiting properties on platelet aggregation

VANGUARD, B. F. C.
Influence of motion wash-out filters on pilot tracking performance

Sweating responses during heat acclimation and moderate conditioning

Limb blood flow - Rest and heavy exercise in sitting and supine positions in man

Van Hedea Kolff, E.
Weight control and restraint of laboratory rats

Van Hoeren, D.
Primate cone sensitivity to flicker during light and dark adaptation as indicated by the foveal local electroretinogram

VAN VOLLHOFEN, H.
Theoretical foundations of cardiovascular processes

VAN WIK, R. A.
Psychiatric education in aerospace medicine

VANN, S.
The interpretation of visual motion

Bandpass channels, zero-crossings, and early visual information processing

(AD-40637501)

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[IRI-133-77-04]

[PB-286851/1]

[TB-133-77-02]

[PN-1978-225]

[PN-1978-125]
PERSONAL AUTHOR INDEX

VERNA, R. N.
Assessment of burns in accident fatalities p0272 A79-49729

VERNA, S. P.
Aerobiotelemetry from a fighter aircraft p0200 A79-37131

VERNIKOS-DANELLIS, J.
Comparison of circadian rhythms in male and female humans p0004 A79-11947

VENDERS, J.
Comparison of hormone and electrolyte circadian rhythms in male and female humans p0004 A79-11948

VENDERS, J.
Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat p0005 A79-12474

VERNO, E. H.
Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding p0235 A79-43605

VERNOT, E. H.
The importance of light, postural and social cues in the regulation of the plasma cortisol rhythm in man p0267 A79-47398

VERSAUL, D.
Synaptosomal uptake of hypothalamic monoamines and in the regulation of the plasma corticosterone rhythm in man p0275 A79-50232

VERNOIN, V. L.

VERNET, E. H.
Toxicity of high density jet fuel components [AD-A065996] p0259 A79-28870

VERNON, E. W.
Contrast sensitivity of the human eye to various display phosphor types [AD-1058380] p0056 A79-13695

VETER, E. H.
Head aiming/tracking accuracy in a helicopter environment p0153 A79-19651

VENELA, M. L.
Human/computer control of underwater teleoperators p0089 A79-15612

VENET, E. H.
Display aids for remote control of untethered underwater vehicles p0090 A79-15613

VENET, E. H.
The facilitating effects of uncertainty in long-term manual control p0115 A79-17485

VENDRILL, E. J.

VENDRILL, E. J.
Special test for astronaut selection - Tests of tolerance in the centrifuge and in flight p0087 A79-15491

VENDRILL, E. J.
Cardiac reactions in tests on the wearing of the Yankee Escape System harness during minus g accelerations in the z direction p0103 A79-23953

VENDRILL, E. J.
Conduction difficulties of vagal origin in flight personnel - Significance of intrathoracic data on the bundle of His p0103 A79-23955

VENDRILL, E. J.
Cardiac conduction and aptitude problems of fliers. The benefits of endocardial recording of the His bundles p030 A79-11716

VENDRILL, E. J.
Tentative estimation of the injuries likely to occur during the crash of a SA 341 Gazelle helicopter, from a study on mannequins p0287 A79-31925

VIADRO, H. D.
Some tests used in the practice of aviation medical examination for differential diagnosis of heart diseases p0108 A79-35136

VIADRO, H. D.
Selection and techniques for analysis of indices of visual data reception. II p0047 A79-15494

VIEUVT, E. H.
Choice and techniques of analysis of indices for the perception of visual information. III p0103 A79-23954

VICENS, V. V.
Vertebral pains in helicopter pilots
and the protective effect of area

VODIAN, M. A.
Studies on the bioassayable growth hormone-like activity of plasma

VODIAN, M. A.

VOGEL, F. S.
Effects of high-LET neon /Ne-20/ particle radiation on the brain, eye and other head structures of the pocket mouse - a histological study

VOGEL, J. A.
Physiological effects of a military training program on males and females

VOGEL, M. B.
Effect of rate of change in skin temperature on local sweating rate

VOGT, J. J.

WAGG, N. L.
Recent studies of simulation training effectiveness

WACHTEL, T. L.
Effect of fiber and dye degradation products /FDI/D on burn wound healing

Biocassay of thermal protection afforded by candidate flight suit fabrics

Biomedical constraints on thermal protective flight clothing design: A bioengineering analysis

A porcine bioassay study of the physiological effects of fiber and dye degradation products (FDI) on burn wound healing

Evaluation of four thermally protective fabrics using the USAERL bioassay method

Mathematical models of skin burns induced by simulated postcrash fires as aids in thermal protective clothing design and selection

WADDELL, J.
Soviet civil aviation training programs

WADDELL, J. L.
Current trends in UK military aircrew survival equipment

WADE, C. E.
Regional heat loss in resting man during immersion in 25.2°C water

WAHANAVAN, E. L.
Ageing and flying fitness

WAGNER-DARTAK, C. G.
The use of artificial signals during SIMAR-watch

WALDE, W. R.
Multi-channel stimulation of peripheral nerve trunks

WALL, R. J.
Development of space biology experiments for the Space Shuttle - A student's perspective

WALL, R. J.
Automated clinical system for chromosome analysis

WALKER, C. P.
Manned simulations of the SRMS in SIMFAC

WALKER, N. C.
Ageing and flying fitness

WALKER, J.
The significance of rhythm disturbances in asymptomatic persons
Weiss, C. H.

[ NASA-CASE-MSC-16098-1] p0013 N79-10693
Better definition of eye to aortic valve distance in high acceleration cockpit /HAC/ seating geometries p0102 A79-23475

Wells, C. H.

Tissue gas and blood analyses of human subjects breathing 80% argon and 20% oxygen p0164 A79-30655
Concurrent loss of consciousness and sino-atrial block during +Gz stresses p0183 A79-33632

Wels, E.

Visual angle constancy for the subjective checkerboard pattern, as an indication of cortical origin of size constancy p0234 A79-42232
+Gz tolerance correlation with clinical parameters p0202 A79-37714

Wells, K. W.

Visual acuity of the aging hyperopic eye in the intermediate range p0037 A79-13196
Reproducibility of +Gz tolerance testing p0235 A79-40213

Wells, L. N.

Fluorides and electrolyte control systems in the human body [ NASA-CH-160212] p0177 N79-25723

West, J. B.

The combined effects of pulsed magnetic radiation (diapulse) and chemotherapy on tumor bearing mice. The measurement of rodent palatal explants as a device for measurement of the biologic effects of nonionizing radiation (NIR) p0016 N79-10733
A simple model of fluid flow and electrolyte balance in the body [ NASA-CH-160210] p0177 N79-25723

West, S. A.

Control of skin blood flow during exercise - Thermal and nonthermal factors p0185 A79-33807
On a basic model of circulatory, fluid, and electrolyte regulation in the human system based upon the model of Dayton [ NASA-CH-160212] p0178 N79-25725

Westbrook, R. M.

A long-range and long-life telemetry data-acquisition system for heart rate and multiple body temperatures from free-ranging animals [ NASA-TR-78590] p0239 N79-26762

Weston, L. N.

An Air Combat Effectiveness Study /ACES/ program p0040 A79-13222

Westover, J. B.


Westra, B. H.

Experience with periodic aviation medical examinations p0026 N79-11696

White, H. N.

A theoretical and experimental analysis of the outside world perception process p0091 N79-15625

White, C. H.

An analysis of helicopter pilot control behavior and workload during instrument flying tasks [ MLA-TR-78003-U] p0128 N79-17553

White, S. A.

An analysis of helicopter pilot control behavior and workload during instrument flying tasks p0150 N79-19630

Performance and workload analysis of inflight helicopter missions [ MLA-TR-77013-U] p0306 N79-32834

White, W.

A theoretical and experimental analysis of the outside world perception process [ MLA-TR-78020-U] p0309 N79-32835

Whitehead, C. D.

A preliminary study of the air traffic controller's 'picture' p0221 A79-36227

Whelan, E. M.

The biodynamic response of the human body and its application to standards p0288 N79-31929

Whitmore, W. L.

Caloric and exercise requirements of space flight - Biostereometric results from Skylab p0128 A79-24637

Wilcox, H.

In-flight measures of stress reduction due to wearing expandable foam earplugs p0273 A79-49986

Wickens, C. D.

The event related cortical potential as an index of task workload p0038 A79-13208

The effects of participatory node and task workload on the detection of dynamic system failures p0098 A79-21156

Wichman, H.

The internal model: A study of the relative contribution of proprioception and visual information to failure detection in dynamic systems p0097 N79-15596

A quasi-linear control theory analysis of timesharing skills p0115 N79-17479
WISWELL, R. A.  

[A069983]  p0308 W79-32833

WISWELL, R. A.  

Time course of O2-pulse during various tests of aerobic power  
p0297 A79-52024

WITK, W. M.  

Regional coronary blood flow at rest and during high sustained +Gz in a miniature swine with subclinical, ischemic, coronary heart disease due to coronary stenosis  
p0010 A79-12865

WITK, W. M.  

Direct exposure of monolayers of mammalian cells to airborne pollutants in a unique culture system  
p0283 W79-31897

WITTEN, R.  

Morphological and biochemical effects of oxygen toxicity  
[AD-1056778]  p0018 W79-10738

WORSE, C. R.  

A proposal concerning the origin of life on the planet earth  
p0253 A79-45641

WORBALLETT, E. L.  

Electrophysiological determination of retinal sensitivity to color after intense monochromatic light adaptation  
[AD-4063302]  p0189 W79-22756

WOLCOTT, J. H.  

Correlation of choice reaction time performance with biophysical criticality and cycle phase  
p0102 A79-23471

WOLCER, O.  

Chirality of compounds essential for the existence of life, and the possibility of its evolution in the universe  
p0186 A79-30864

WOLF, J. B.  

Crew workload assessment. Development of a measure of operator workload  
[AD-1068616]  p0254 W79-28888

WOLF, J. J.  

A survey of Applied Psychological Services' models of the human operator  
p0317 W79-33839

WOLF, W.  

Radar, Insect Population Ecology, and Pest Management  
[ASA-CP-2070]  p0147 W79-19592

WOLFE, C.  

Composition of cerebral fluids in goats adapted to high altitude  
[AD-1070142]  p0310 W79-33788

WOLFE, D.  

Composition of cerebral fluids in goats adapted to high altitude  
p0277 A79-50902

WOLFE, J. N.  

Eye torsion and visual tilt are mediated by different binocular processes  
p0254 A79-46651

WOLFE, L. A.  

Effects of endurance training on left ventricular dimensions in healthy men  
p0237 A79-43706

WOLLBERGER, A.  

Effect of adaptation to high-altitude hypoxia on cardiac adrenoreactivity and the state of the adenylylase and phosphodiesterase systems in the myocardium  
p0255 A79-46500

WOLLSCHLAGER, P. B.  

Microwave spectrometry  
p0231 A79-41828

WOLTHEIS, R. A.  

Reproducibility of human cardiovascular responses to orthostatic stress  
p0030 W79-11720

WOLTHUIS, R. E.  

Relaxed +Gz tolerance in healthy men - Effect of age  
p0067 A79-16956

Blood pressure variability of the individual in orthostatic testing  
p0265 A79-47328

Distinguishing borderline hypertensives from normotensives: A clinical study of 300 aircrewmen  
p0227 W79-11699

Detection of coronary artery disease in apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusion scintigraphy  
p0297 A79-11712

Effect of age on relaxed +G sub z tolerance of aircrewmen  
p0030 W79-11719

YAGODOVSKY, V. S.  

Changes in properties of rat femur as a result of crucal exarticulation and hypokinesia  
p0007 A79-16522

YAKINHET, L. J.  

Ultrasound Doppler directional blood flow velocity meter  
[AD-1188-TRSA-19181]  p0279 A79-30920

YAKINHOV, T. V.  

Effects of different values of urine pH during long-term storage on microflora composition  
p0194 A79-23643

YAGODOVSKY, V. S.  

Changes in properties of rat femur as a result of crucal exarticulation and hypokinesia  
p0007 A79-16522
Quality of water reclaimed from urine as related to pH of initial product

YANEKOVA, Y.
Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 Biosatellite

YAKOVLEV, V. I.
Histological and histochemical studies of the liver of rats flown aboard Kosmos-690 Biosatellite

Comparative analysis of causes of animal deaths during chronic exposure to gamma radiation and the aftereffect period

YAKUSHEVA, V. I.
Changes in properties of rat femur as a result of protein-energy nutrition and growth in rats flown aboard Kosmos-690 satellite

YAMAGAWA, H.
Estimation of rate constants in the Michaelis-Menten model for identification of respiratory control dynamics

YANG, E.
Organic geochemical studies on kerogen precursors in recently deposited algal nats and ooze

YANG, P.
Application of pseudo random binary sequence input to identification of respiratory control dynamics

YANG, J.
Experimental approach to the chemical evolution in the praeval sea. I - Formation of amino acids and amino acid polymers in modified sea medium

YANG, J. T.
Experimental approach to the chemical evolution in the praeval sea. II - Formation of protocell-like structures 'marigranules' in a modified sea medium

YANG, J.
A fast-reacting and versatile optokinetic stimulus. development and application of resistive pulse spectroscopy: Studies on the size, form and deformability of red blood cells

YEVGENOVA, N.
Medical science in Siberia: Oxygen exchange in the Far North

YEZIKOVA, I. A.
Intensity of DNA synthesis in animal organs after flight aboard the Cosmos-782 Biosatellite

YEZIKOVA, I. A.
Radiation lesion to liver DNA of rats exposed to radiation during flight aboard the Kosmos-690 Biosatellite

YEROKHIN, V. Y.
Mechanisms of oxygen toxicity at the cellular level

YEROKHIN, V. Y.
Psychological experiment on components of the meaning of work

YEROKHIN, V. Y.
Aphotometer for determining the biomass of microorgan from the ATP content

YEROKHIN, V. Y.
Effect of exercise on collateral development in dogs with normal coronary arteries

YOKOMI, T.
Electromagnetic power absorption in cylindrical tissue models excited by a loop antenna

YOUNGBRITES, N. V.
Training requirements for helicopter operation with night vision goggles

YOUNGBRITES, N. V.
In vivo bone strain telemetry in monkeys /N.

YOUNGBRITES, N.
Health and safety hazards associated with solar concentration systems

YOUNGBRITES, N.
A fast-reacting and versatile optokinetic stimulus pattern by computer graphics with application examples

YOUNGBRITES, N.
Manual control of yaw motion with combined visual and vestibular cues

YOUNGBRITES, N. E.
Sensory mechanisms modeling

YOUNGBRITES, N. E.
Effects of fatigue on human behavior and performance. A bibliography with abstracts

YOUNGBRITES, N. E.
Human memory. A bibliography with abstracts

YOUNGBRITES, N. E.
Publications of the planetary biology program for 1977: A special bibliography

YOUNGBRITES, N. E.
Publications of the planetary biology program for 1978: A special bibliography

YOUNGLING, E. V.
At Air Cosbat Effectiveness Study/ACES/ program
Z

ZABALI ITORBLADE, J.
Control of robot manipulators from the modeling of their dynamics
p0101 A79-23827

ZACHARIAS, G. L.
Manual control of yaw motion with combined visual and vestibular cues
p0119 A79-17513

Zelin, V. F.
Compensatory reactions of the kidneys to orthostatic factors
p0015 A79-10708

ZEMORI, T. J.
Design considerations for inflatable head/neck restraint systems
p0043 A79-14407

ZERMUEHLEN, E. O.
Computer aided control of a mechanical arm
p0275 A79-50334

ZELTLOV, G. I.
Thermal effects during the exposure of ocular fundus tissues to laser radiation
p0234 A79-43057

ZHERBAKOV, A. F.
Evaluation of circulatory reactions in the head to antiochostatic positions
p0245 A79-27832

ZHICAILIO, T. L.
Individual differences in hypoxic responses at high altitudes
p0159 A79-28738

ZHILLMA, G. E.
Functional changes in the cardiovascular system of machine-tool operators under physical and neurologically stressful loads
p0160 A79-29270

ZHILLI, B. G.
Effect of acute hypoxia on some parameters of renal excretory function and renal hemodynamics
p0245 A79-27828

ZHVIKOVSKAIL, T. P.
Biological experiments carried out aboard the biological satellite Cosmos-936
p0230 A79-14717

ZHVIKOVSKAI, T. P.
Materials of the final reports on the joint Soviet-American experiment on the Kosmokos-936 biosatellite [NASA-TR-75582]
p0071 A79-14711

ZIBAN, D.
A description of the recent neuropsychological selection of pilots for land forces light aircraft
p0151 A79-19633

ZINCHEKNO, T. P.
Visual information processing
p0076 A79-14747

ZINCHEKNO, V. P.
Physiologic/hygiogenic and ergonomic aspects of Salyut 6 cosmonauts extravehicular activity /EVA/
p0303 A79-53486

ZIPPLER, D. B.
Improved airline-type supplied-air plastic suit
[DPSPH-79-30-12]
p0282 A79-30943

ZLATEK, A.
p0121 A79-17532

ZOLLARS, G. P.
Stress factors on pilot performance. Citations from the International Aerospace Abstracts data base [N79/PS-79/0506/0]
p0260 A79-28878

ZON, J. M.
A hypothesis of plasmatic absorption of RF energy by biological objects
p0233 A79-42506

ZOREN, V. I.
Effects of vestibular stimuli on the electrical activity of muscles
p0187 A79-35121

ZOSULIKA, S. V.
Epiphyses of rats under the combined action of hypoxia, hypercapnia and cooling
p0256 A79-46680

ZUCKER, R. S.
The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [RS-GMS-2394]
p0252 A79-44582

ZUKER, R. S.
The application of integral performance criteria to the analysis of discrete maneuvers in a driving simulator [RS-GMS-2394]
p0252 A79-44582

ZUKREST, B. H.
Effects of long-term and chronic radiation on...
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page</th>
<th>Volume</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOROFF, B.</td>
<td>Comparison of plasma and urinary steroids in men with type A and type B behavior patterns</td>
<td>p0016</td>
<td>79</td>
<td>10719</td>
</tr>
<tr>
<td>ZWICK, H.</td>
<td>Low level laser light effects</td>
<td>p0138</td>
<td>79</td>
<td>26171</td>
</tr>
<tr>
<td>ZWIEBEL, W.</td>
<td>Real-time computerized fluoroscopic cardiac imaging</td>
<td>p0294</td>
<td>79</td>
<td>51035</td>
</tr>
<tr>
<td>ZYBIN, O. K.</td>
<td>Effect of brief head-down hypokinesia on pressure in various parts of the healthy man's cardiovascular system</td>
<td>p0245</td>
<td>79</td>
<td>27831</td>
</tr>
<tr>
<td>ZYKOV, P. M.</td>
<td>Ultrasonic doppler directional blood flow velocity meter</td>
<td>p0279</td>
<td>79</td>
<td>30920</td>
</tr>
</tbody>
</table>
### Typical Corporate Source Index Listing

<table>
<thead>
<tr>
<th>CORPORATE SOURCE</th>
<th>TITLE</th>
<th>REPORT NUMBER</th>
<th>PAGE NUMBER</th>
<th>ACCESSION NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AERONAUTICAL RESEARCH LABS., MELBOURNE (AUSTRALIA).</td>
<td>Impact tests on crash helmets for motor cyclists</td>
<td>p0197 N79-24655</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACADEMIC KIEMENHUIS ST. RAPHAEL, LEUVEN (BELGIUM).</td>
<td>Optimisation of pilot capability and avionic system design, introduction</td>
<td>p0113 N79-16560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT, NHBILLI-SUN-SEINE (FRANCE).</td>
<td>Human capabilities</td>
<td>p0113 N79-16561</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Listings in this index are arranged alphabetically by corporate source. The title of the document provides the user with a brief description of the subject matter. The report number helps to indicate the type of document listed e.g. NASA report, translation. NASA contractor report). The page and accession numbers are located beneath and to the right of the title, e.g. p0197 N79-24655. Under any corporate source the accession numbers are arranged in sequence with the AIA accession numbers appearing first.

**A**

ACADEMIC KIEMENHUIS ST. RAPHAEL, LEUVEN (BELGIUM). Follow-up and transversal study of vital capacities and FIV sub values among personnel of the Belgian Army forces p0028 N79-11706


ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT, NHBILLI-SUN-SEINE (FRANCE). Optimisation of pilot capability and avionic system design p0113 N79-16560

Optimisation of pilot capability and avionic system design, introduction p0113 N79-16561

Human capabilities p0114 N79-16562

System design p0114 N79-16563

Pilot workload qualification for avionic design p0114 N79-16564

Training implications p0114 N79-16565

The design of air combat aircraft p0114 N79-16566

Ground attack p0114 N79-16567

The Helicopter p0114 N79-16568

Survival and protection of aircrew in the event of accidental immersion in cold water p0196 N79-23651


Contributions of psychophysiological techniques to aircraft design and other operational problems p0290 N79-31941

Human Factors Aspects of Aircraft Accidents and Incidents p0290 N79-31942

ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT, PARIS (FRANCE). Prospective Medicine Opportunities in Aerospace Medicine p0026 N79-11692

Specific Findings in Cardiology and Pulmonary Function with Special Emphasis on Assessment criteria for Flying [AGARD-CP-232] p0028 N79-11705

Operational Helicopter Aviation Medicine [AGARD-CP-255] p0148 N79-19605

Evaluation of aircrew fatigue during operational helicopter flight mission p0149 N79-19622


AEROJECT LIQUID ROCKET CO., SACRAMENTO, CALIF. Development of an electrical energy converter for driving left heart assist blood pumps p0241 N79-26780


AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO. Study of crew task loading on the C-141A aircraft [AD-A0573116] p0034 N79-11746

AEROSPACE MEDICAL DIV. AEROSPACE MEDICAL RESEARCH LABS., WRIGHT-PATTERSON AFB, OHIO. Evaluation of cardiac risk and subject response to aerodynamic forces in flight environments p0081 N79-14779

AEROSPACE MEDICAL RESEARCH LABS., WRIGHT-PATTERSON AFB, OHIO. Reach capability of men and women: A three-dimensional analysis [AD-A060312] p0081 N79-14779

The behavior of observers in detecting unbriefed targets at different aircraft speeds with side-looking radar [AD-A069008] p0085 N79-15586

AA gunnery model based on observer theory p0087 N79-15594

Two dimensional eye tracking: Sampling rate of forcing function p0090 N79-15617

Head tracking at large angles from the straight ahead position p0090 N79-15618

A method motion-simulator design based on modeling characteristics of the human operator p0091 N79-15623

A relationship between eye movement patterns and performance in a precognitive tracking task p0116 N79-17490

Use of the optimal control model in the design of motion cue experiments p0118 N79-17510

Effects of propellant hydrazines on red blood cells: Methemoglobin and Heinz body formation [AD-A0691133] p0189 N79-22755

A subhuman primate restraint system [AD-A069607] p0279 N79-30915

Prediction of whole-body response to impact forces in flight environments p0284 N79-31902

Correlation of mechanism of extremity injury and aerodynamic factors in ejections from F-4 aircraft p0284 N79-31904

Application of biodynamic models to the analysis of F-16 canopy birdstrike p0285 N79-31911

The validation of biodynamic models p0286 N79-31914
bover maneuver as a function of extended flight requirements and aviator fatigue

Visual performance/workload of helicopter pilots during instrument flight

The effective acoustic environment of helicopter crews

Operational consideration of AR/IR/MS-5 night vision goggles for helicopter night flight

Training requirements for helicopter operations with night vision goggles

Head aiming/tracking accuracy in a helicopter environment

Aviator visual performance: A comparative study of a helicopter simulator and the M-1 helicopter

US Army aviation fatigue-related accidents, 1971-1977

A porcine bioassay study of the physiological effects of fiber and dye degradation products (PDP) on burn wound healing

Evaluation of four thermally protective fabrics using the USAARL bioassay method

Mathematical models of skin burns induced by simulated postcrash fires as aids in thermal protective clothing design and selection

Correlation of head injury with mechanical forces based on helmet damage duplication

The use of mathematical modeling in crashworthy helicopter seating systems

Army Aeromedical Research Unit, Fort Rucker, AL.

Oculomotor performance of aviators during an autorotation maneuver in a helicopter simulator

Army Aviation Research and Development Command, Fort Rucker, VA.

The use of mathematical modeling in crashworthy helicopter seating systems

Army Cold Regions Test Center, Fort Greely, AK.

Man and material in the cold regions, part 1

Army Communications Research and Development Command, Fort Monmouth, NJ.

Modeling and analysis of man-machine interface information

Army Construction Engineering Research Lab., Charleston, SC.

Establishing habitability factors for the design of office environments

Army Electronics Command, Fort Belvoir, VA.

A behavioral model of target acquisition in realistic terrain

Army Electronics Command, Fort Monmouth, NJ.

The effect of active area on the legibility of dot matrix displays

Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD.


Army Medical Research Inst. of Infectious Diseases, Frederick, MD.

The effect of ultrasound on botulin toxin

Army Natick Research and Development Command, Natick, Mass.

United States Army anthrometry: 1946-1977

Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.

A methodology for conducting human factors evaluations of vehicles in operational field tests

Army Research Inst. of Environmental Medicine, Natick, Mass.

A comparison of the physiological responses in young men and women to heat and cold stress

Instrumentation and techniques for the measurement of muscular strength and endurance in the human body

Evidence for increased intrathoracic fluid volume in man at high altitude

Physiological effects of a military training program on males and females

The effects of dehydration on peripheral cooling

Composition of cerebral fluids in goats adapted to high altitude

Baltimore City Hospitals, MD.

Sweat changes in the ribosomes of animal cells in vivo and in vitro

Batelle Pacific Northwest Labs., Richland, Wash.

The use of Na-22 as a tracer for long-term bone mineral turnover studies

Determination of muscle mass changes in legs from K-40 measurements

Pacific Northwest Laboratory report for 1977 to the DOE assistant secretary for environment. Part 2: Ecological sciences

The use of Na-22 as a tracer for long-term bone mineral turnover studies

Kinetic measurements of bone mineral metabolism: The use of Na-22 as a tracer for long-term bone mineral turnover studies

Review of unfolding methods used in the US and their standardization for dosimetry

Belgian Air Force, Brussels.

Analysis of the intervention of the human factor as a principal cause or influence in accidents of Mirage aircraft in the Belgian Air Force

Boeing Co., Houston, Tex.

Test evaluation of space station ECLSS maintenance concepts

Boeing Co., Seattle, Wash.

The effects of pilot age, lighting, and head-down time on visual accommodation


A model for the pilot's use of roll-axis motion cues in steady-state tracking tasks

Closed loop models for analyzing the effects of simulator characteristics

Evaluation of display and control concepts for a terminal configured vehicle in final approach in a windtunnel environment

Use of the tilt cue in a simulated heading tracking task

Combined monitoring, decision and control model for the human operator in a command and control task
Stress in air traffic controllers: A re-study of 32 controllers 5 to 9 years later

Characteristics of medically disqualified airline applicants in calendar years 1975 and 1976

Time-sharing ability in complex performance: An expanded replication

A comparison of three models for determining test fairness

Index to FAA Office of Aviation Medicine reports: 1961 through 1978

The optical properties of smoke-protective devices

A lower body negative pressure box for +Gz simulation in the upright seated position

The selection of air traffic control specialists: Two studies demonstrating methods to insure an accurate validity coefficient for selection devices

The impact of coronary vascular risk factors on professional aircrew selection devices

The development of the ATC selection battery: A new procedure to make maximum use of available information when correcting correlations for restriction in range due to selection

The optical properties of smoke-protective devices

A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel

Visual search performance during simulated radar observation with and without a Sweepsline

Effects of propranolol on Time of Useful Function (TUF) in rats

Oxygen equipment and rapid decompression studies

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Laboratory performance during acute intoxication and hangover

Development of electrophysiological indices of neurotoxicity for organophosphate pesticides and depressant drugs

CIVIL AVIATION AUTHORITY, LONDON (ENGLAND).

The impact of coronary vascular risk factors on professional aircrew selection devices

Laboratory performance during acute intoxication and hangover

Effect of exogenous and endogenous factors on the risk of cardiovascular disease among airline pilots

The optical properties of smoke-protective devices

A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel

Visual search performance during simulated radar observation with and without a Sweepsline

Effects of propranolol on Time of Useful Function (TUF) in rats

Oxygen equipment and rapid decompression studies

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Laboratory performance during acute intoxication and hangover

Development of electrophysiological indices of neurotoxicity for organophosphate pesticides and depressant drugs

CIVIL AVIATION AUTHORITY, LONDON (ENGLAND).

The impact of coronary vascular risk factors on professional aircrew selection devices

Laboratory performance during acute intoxication and hangover

Effect of exogenous and endogenous factors on the risk of cardiovascular disease among airline pilots

The optical properties of smoke-protective devices

A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel

Visual search performance during simulated radar observation with and without a Sweepsline

Effects of propranolol on Time of Useful Function (TUF) in rats

Oxygen equipment and rapid decompression studies

Effects of congener and noncongener alcoholic beverages on a clinical ataxia test battery

Laboratory performance during acute intoxication and hangover

Development of electrophysiological indices of neurotoxicity for organophosphate pesticides and depressant drugs
Effects of lead on subcellular components in bacteria

COLORADO UNIV., DENVER.

Noninvasive assessment of pulmonary hypertension

[PB-285121/0]

COLOMBIA UNIV., NEW YORK.

Applications of two-parameter decision theories in psychology

[AD-A0591010]

COMMITTEE ON GOVERNMENT OPERATIONS (U. S. HOUSE).

Radiation protection

[GP-35-561]

COMMITTEE ON SCIENCE AND TECHNOLOGY (U. S. HOUSE).

Extraterrestrial intelligence research

[GP-35-355]

COMPUTER SCIENCES CORP., MOUNTAIN VIEW, CALIF.

The effect of a visual/option display mismatch in a single axis compensatory tracking task

[EE-11-79-1009]

CONNECTICUT UNIV., STORRS.

Effects of uncertainty on manual tracking performance

[EE-11-79-1006]

Dayton University Research Inst., Ohio.

A comparison of motor subaspects in the optimal control model

[EE-11-79-1005]

Dunlap and Associates, Inc., La Jolla, Calif.

Effects of uncertainty on manual tracking performance

[EE-11-79-1004]

Dunlap and Associates, Inc., La Jolla, Calif.

A comparison of motor subaspects in the optimal control model

[EE-11-79-1003]

Dunlap and Associates, Inc., La Jolla, Calif.

A study of pilot/observer interaction in aligning a helicopter with a target

[DLR-PB-78-04]

Dunlap and Associates, Inc., La Jolla, Calif.

A method for semi-automatic analysis of eye movements

[DLR-PB-78-02]

Dunlap and Associates, Inc., La Jolla, Calif.

The influence of hyperbaric environment in combination with workload and confinement on human information processing

[DLR-PB-78-12]

Dunlap and Associates, Inc., La Jolla, Calif.

Bioluminertion for evaluation of workload in payload specialists - Results of ASSEG II

[TAP PAPER 79-88]

Dunlap and Associates, Inc., La Jolla, Calif.

The response of a realistic computer model for siting humans to different types of shock

[EEAD-A067228]

Dunlap and Associates, Inc., La Jolla, Calif.

The relationship between aerobic fitness and cardiovascular risk factors in the Canadian Forces

[AD-A069865]

Dunlap and Associates, Inc., La Jolla, Calif.

Evaluation of British and Canadian conductive rubber heating elements for handwear:

Preliminary report

[AD-A0528676]

Dunlap and Associates, Inc., La Jolla, Calif.

A general model for the transfer of vapour through clothed skin from liquid on and in clothing

[AD-A0701577]

Dunlap and Associates, Inc., La Jolla, Calif.

The loudness of tinutus

[EE-11-79-27837]

DEPARTMENT OF THE NAVY, WASHINGTON, D. C.

Experiments on the effects of blood fields in the presence of a magnetic field

[CONF-780541-1]

DEVEREUX, M., S. COLE, PA.

An examination of statistical impact acceleration injury prediction models based on -GR accelerometer data from subhuman primates

[AD-A0572766]

The influence of hyperbaric environment in combination with workload and confinement on human information processing

[DLR-PB-78-12]

DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LOFT- UND RAUMFAHRT, BONN (WEST GERMANY).

A study of pilot/observer interaction in aligning a helicopter with a target

[DLR-PB-78-04]

DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LOFT- UND RAUMFAHRT, BONN (WEST GERMANY).

A method for semi-automatic analysis of eye movements

[DLR-PB-78-02]

DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LOFT- UND RAUMFAHRT, BONN (WEST GERMANY).

The influence of hyperbaric environment in combination with workload and confinement on human information processing

[DLR-PB-78-12]
and assessment of their flying fitness
FUTURE SYSTEMS, INC., GAITHERSBURG, Md.

A technology assessment of vegetable substitutes for animal protein in human food. Volume 2:
Appendices
[pb-284681/4] p0059 N79-13720

FUTURES GROUP, GLASTONBURY, Conn.
A technology assessment of vegetable substitutes for animal protein in human food. Volume 1:
The study
[pb-284681/4] p0059 N79-13719

GARD, INC., MILES, Ill.
Four-man rated dual catalyst system for the recovery of water from urine

GENERAL ACCOUNTING OFFICE, WASHINGTON, D. C.
The Department of the Army's food irradiation program: Is it worth continuing
[pb-286399/11] p0099 879-15644

GENERAL ELECTRIC CO., HOUSTON, Tex.
Regional program for acquisition of medical experiments
Fluid and Electrolyte Balance models
Validation of a model for investigating red cell mass changes during weightlessness
User's instructions for the Grodins' respiratory control model using the UNIVAC 1110 remote batch and demand processing
A long term model of circulation
Transient thermoregulatory model with graphics output
User's instructions for the 41-node thermoregulatory model (steady state version)
Evaluation of exercise-respiratory system modifications and preliminary respiratory-circulatory system integration scheme

Acid-base homeostasis in the human system
Design specification for the whole-body algorithms
System identification and application systems development for monitoring the physiological and health status of crewmen in space
Physiological system integrations with emphasis on the respiratory-circulatory system
Study report on combining diagnostic and therapeutic considerations with subsystem and whole-body simulation
The application of sensitivity analysis to models of large scale physiological systems
User's instructions for the erythropoiesis regulatory model
Study report on a double isotope method of calcium absorption
Strontium metabolism in the rebuilding of skeletal tissue
The influence of exercise on bone atrophy
[NASA-CR-160196] p0216 N79-25714
A brief review of space flight calcium metabolism results and methodologies
Preliminary design specifications of a calcium model
Development of an hypothesis for simulating anti-orthostatic bed rest
Use of a computer model in the understanding of erythropoietic control mechanisms
A prioritized set of physiological measurements for future spaceflight experiments
Dynamic regulation of erythropoiesis: A computer model of general applicability
User's instructions for the cardiovascular Walters model
A simple model of fluid flow and electrolyte balance in the body
Fluid and electrolyte control systems in the human body: A study report
User's instructions for the high speed version of the cardiovascular exercise model
On a basic model of circulatory, fluid, and electrolyte regulation in the human system based upon the model of Guyton
Investigations of respiratory control systems simulation
Study report on modification of the long term circulatory model for the simulation of bed rest
Improvements and validation of the erythropoiesis control model for bed rest simulation
Study report on interfacing major physiological and subsystem models: An approach for developing a whole-body algorithm
The development of a whole-body algorithm
User's instructions for the Guyton circulatory dynamics model using the UNIVAC 1110 batch and demand processing (with graphic capabilities)
User's instructions for the GE cardiovascular model to simulate LRFP and tilt experiments, with graphic capabilities
Evaluation of exercise-respiratory system modifications and integration schemes for physiological systems
Study report on guidelines and test procedures for investigating stability of nonlinear cardiovascular control system models
User's instructions for the whole-body algorithms
Modifications to the steady-state 41-node thermoregulatory model including validation of the respiratory and diffusional water loss equations
The application of systems analysis and mathematical models to the study of erythropoiesis during space flight
User's guide for the Skylab integrated medical data analysis system
The application of MINIVACAS to thermal program boundary and initial value problems

AND
GENERAL ELECTRIC CO., PHILADELPHIA, Pa.
Animal life support transports for Space Shuttle/Spacelab
[ASME PAPER 78-ENAS-13] p0006 N79-12559
Food packages for Space Shuttle
Food and waste management biotechnology for the Space Shuttle
[TAP PAPER 79-93] p0302 N79-32994
Skylab medical data evaluation program (SMDEP)
Automated biowaste sampling system feces monitoring system

CORPORATE SOURCE INDEX

GENERAL MOTORS RESEARCH LABS., WARREN, Mich.
The influence of vehicle aerodynamic and control response characteristics on driver-vehicle...
C-10

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

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Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.

Honeywell, Minneapolis, Minn.
A quasi-linear control theory analysis of time-sharing skills.

Refinement and validation of a mathematical model of the human torso

Characterization of cardiovascular function by automated monitoring of cardiac contractility and left ventricular wall motion activity

Refinement and validation of a three-dimensional head-spin model

Dose-effect relationships for ultrasound irradiation of brain tissue

Applications of chlorophyll fluorescence transient measurements to the functional analysis of photosynthetic processes

Development and utilization of internal models in dynamic systems: A comparison of monitors and operators as failure detectors

The effects of participatory mode and task workload on the detection of dynamic system failures

Modeling the human as a controller in a multitask environment

Investigation on the effect of mechanical vibrations on individual perception and reactions to control parameters

A proposal concerning the origin of life on the planet earth

Criteria for maximum tolerable heat stress. A proposal

The driving simulator developed by the Institute for Perception two. A validation study in straight road driving

Steering behavior and manual control actions. Part 1: An evaluation of the literature and a research plan

Acceptable radiation levels in the ultraviolet visible infrared regions

Effects of acute noise traumata on whole-nerve and single-unit activity

The use of artificial signals during sonar-watch research plan

Car driving as a cybernetic task

Effects of amphetamine on response selection and response execution processes in choice reaction tasks

Tentative evaluation of annoyance caused by noise from gunfire

The psychologist in aircraft accident investigation

Pilot incapacity in flight

Geographical disorientation and flight safety

The child in coma

The application of remote sensors to a model for fish mapping

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relation to a defect in the Cu-metabolism

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Characteristics of vestibular nystagmus in rats

Characteristics of bacterial aerosol in airtight rooms occupied by humans

Decreased activity of palladium catalyst during Role of vestibular system in behavior of animals

A method of evaluating the pupillary reaction to vestibular stimuli

Comparative analysis of causes of animal deaths during chronic exposure to gamma radiation and the aftereffect period

Effects of long-term and chronic radiation on hemopoiesis

Effect of accelerations combined with radiation on occurrence of gene mutations in the drosophila

Effect of oxygen poisoning on the spectrum of lactate dehydrogenase isozymes of rabbit blood plasma

Light and color on a manned spacecraft

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Psychological experiment on components of the meaning of work

Effects of laser radiation on morphology of peripheral blood and bone marrow under experimental and clinical conditions

Space biology and aerospace medicine, vol. 12, no. 6

Dynamics of Compton's blood biochemistry during space missions

Studies of hemodynamics and phase structure of cardiac cycle in the crew of Salut-A

Dynamic medical monitoring of flight crews in the course of long-term flights

Investigation of composition of trace contaminants in the air environment of the Soyuz-22 spacecraft

Effects of hyperhydration on human endurance of orthostatic and LBNP tests

Changes in human renal function in passive head-up and head-down positions

Stability of circadian system of the body

Dynamics of impairment of pilot performance in the presence of hypoxia

Combined effect of hypoxia, low pressure and exercise on the rate of methylketone excretion from the human body

Principal results of experiment with monkeys onboard the Kosmos-782 biosatellite

Spermatogenesis in dogs during many years of chronic exposure to gamma radiation and in the aftereffect period

DNA content of animal organs during space flight on Kosmos-690 satellite
Biochemical study of proteins of gastric and intestinal mucosa of rats flown aboard the Kosmos-605 biosatellite

Effects of vestibular factors on color-discriminating function of the human eyes following color preadaptation

The adrenergic system in the presence of traumatic shock during simulation of effects of weightlessness on the human body

Effects of physical conditioning and electric stimulation on metabolic processes in the soleus muscle and structure thereof in hypokinetic man

Distinctions referable to excretion of end products of protein metabolism in urine of man submitted to 182-day antiorthostatic hypokinesia

Sterola bound with blood plasma proteins and erythrocyte membranes during hypokinesia

Increased hemoglobin and content of rat blood serum as a result of decreased resistance of erythrocyte membranes to hyperbaric oxygenation, and the protective effect of urea

Microflora of water reclaimed in sealed compartments

External respiration and gas exchange reactions to exercise during rotation of man on a short-radius centrifuge

Restoration of color perception after deadapting flashes

Effect of combination of hypoxia and hypercapnia on survival of Japanese quail

Effects of different values of urine pH during long-term storage on microflora composition

Tissular blood clotting factors of vascular walls and myocardium during hypokinesia

Space biology and aerospace medicine, v. 13, no. 3, 1979

Helium-oxygen mixture and the organism hyperbaric aspect

Simulation of fluid-electrolyte metabolism as a means of preventing orthostatic instability in the crew of the second expedition aboard the Salyut-4 station

Investigation of albumin and globulin composition of blood of the crew of the Salyut-3 orbital station

The combined effect of space flight factors and radiation on rat skeletal muscles

Catecholamines and enzymes of metabolism thereof in the rat hypothalamus after flight aboard Cosmos-782 biosatellite

Tissular metabolism in mixed type fibers of rat skeletal muscles after flight aboard Cosmos-690 biosatellite

Immunological reactivity of rats flown aboard Cosmos-605 and Cosmos-690 biosatellites

Possibilities of preventing adverse reactions in simulating the acute period of adaptation to weightlessness

Probability of calcinosis disease while wearing a space suit when exiting from a spacecraft with an atmosphere close to that of earth

Pneumotachographic distinctions of external respiration in man in the presence of excess intrapulmonary pressure on ground level and at high altitudes
Some of the problems involved in planning biological experiments
Adaptive optimization of exchange of gases in plants in a sealed phytophotron
Quality of water reclaimed from urine as related to pH of initial product
Evaluation of oxidizability of air in closed areas
Effect of hydrostatic factor on orthostatic stability and physical fitness of man during 60-day antithorostatic hypokinesia
Vertical orientation of man during 5-day antithorostatic hypokinesia (4, 8, and -12 deg head down position)
Effect of impact accelerations on chemical resistance of rat erythrocytes
External respiration and gas exchange reactions of man during rotation on a short-arm centrifuge
Blood coagulation and tinsuic factors of blood clotting in heparinized rabbits submitted to hypokinesia
Third Symposium on Motion Sickness

KANSAS STATE UNIV., MANHATTAN.
Investigations of respiratory control systems simulation
KANSAS UNIV., LAWRENCE.
The effect of hyperoxia on cerebral blood flow in the unanesthetized pony
A study of the effects of six light conditions on caloric induced nystagmus
KANSAS WATER RESOURCES RESEARCH INST., MANHATTAN.
Effects of heavy metals especially selenium, vanadium and zirconium on movement, growth and survival of certain animal aquatic life
KENTUCKY STATE UNIV., FRANKFORT.
Reproductive adaptation in support of Spacelab scrubber analysis and test support
KENTUCKY STATE UNIV., CORPUS CHRISTI.
Orthomolecular enhancement of human development

L
LABORATOIRE DE MEDECINE AEROSPATIALE, BRESTIGNY-SUR-OHGE (FRANCE).
Vertebral pains in helicopter pilots

LEHIGH UNIV., BETHLEHEM, PA.
Mathematical studies of oxygen transport to tissue
LETTERMAN ARMY INST. OF RESEARCH, SAN FRANCISCO, CALIF.
Personel: Personality, heart rate, urinary catecholamine, and subjective fatigue measures related to night nap-of-the-earth flying
LIFE SYSTEMS, INC., CLEVELAND, OHIO.
Instrumentation for controlling and monitoring environmental control and life support systems

Technology advancement of an oxygen generation subsystem
Electrochemically regenerable carbon dioxide absorber
LINCONE LAB., MASS. INST. OF TECH., LEXINGTON.
Arma authoring systems
LINKS PAULING INST. FOR SCIENCE AND MEDICINE, MENLO PARK, CALIF.
Orthomolecular enhancement of human development

LOCHER ELECTRONICS CO., BOSTON, MASS.
Meteorological limits on the growth and development of screwworts populations
LOCHER MUSICAL AND SPACE CO., SUNNYVALE, CALIF.
Specialized physiological studies in support of some of the problems involved in planning biological experiments
Life sciences in the Shuttle era
Noninvasive techniques in the evaluation of the cardiovascular system to vibration and other environmental stresses and response
Mechanisms of retinal damage from chronic laser irradiation: Thresholds and mechanisms
Mechanisms of regional hemoconcentration during 60-day antithorostatic hypokinesia
The effect of hyperoxia on cerebral blood flow in the unanesthetized pony
A study of the effects of six light conditions on caloric induced nystagmus

Mechanisms of regional hemoconcentration during 60-day antithorostatic hypokinesia

C-16
Urine collection apparatus
Manned maneuvering unit: User's guide
Photochemistry and enzymology of photosynthesis
Optokinetic motion sickness - Attenuation of
Results of benthic studies at Calvert Cliffs
Region extraction using convergent evidence
Electric field measurements within biological
Abundance of organic compounds photochemically
Changes in apparent body orientation and sensory
Display aids for remote control of untethered
Mechanisms of deterioration of nutrients
Bandpass channels, zero-crossings, and early
Human/computer control of undersea teleoperators
Experiments in texture perception
Eye torsion and visual tilt are mediated by
different binocular processes
Microwave thermography: Physical principles and
diagnostic applications
Experiments in texture perception
Human/computer control of undersea
display aids for remote control of
undersea vehicles
A model for dynamic allocation of
attention among multiple tasks
Control
The facilitating effects of uncertainty in
long-term manual control
Multi-attribute subjective evaluations of manual
tracking tasks vs. objective performance of
the human operator
Manual control of yaw motion with
visual and vestibular cues
Mechanisms of deterioration of nutrients
Bandpass channels, zero-crossings, and early
visual information processing
Maximizing storage stability of foods to be used for
resupply in a controlled ecological life
supply system: Evaluation of research
Cell response to chronic irradiation-modeling
and simulation studies
Response to chronic irradiation-modeling
and simulation studies
Urology at the National Naval Medical Center
Low tryptophan diet decreases brain serotonin
and alters response to apomorphine
High-speed computerized tomography
Development of high-resolution ultrasonic
imaging techniques for detection and clinical
assessment of cardiovascular disease
Medicolegal aspects of the use of
human cadaver tissues in medical research
Biological specimen holding facilities for
SpaceLab experiments
Generalized environmental control and life
support system computer program (GSLPCP), phase 3
Development of high-resolution ultrasonic
imaging techniques for detection and clinical
assessment of cardiovascular disease
Development of high-resolution ultrasonic
imaging techniques for detection and clinical
assessment of cardiovascular disease
Biomedical application in space, pilot program in
the southern California region
Microbial load monitor
MEDICAL BIOLOGICAL LAB., KYO-TO, KYOJUK
(NETHERLANDS).
Early diagnosis for decompression sickness.
Changes in the blood found shortly after
decompression. Part 2: Experiments on rats
Chemical protection against ionizing radiation:
a survey of possible mechanisms
evaluation of the risks involved in the
application of tritium gas and measures which
have to be taken
A microangiographic study of the effect of
hyperthermia on the radiation
response of crypt cells in mouse jejunum
A microangiographic study of the effect of
hyperthermia on the rabbit bladder
The combined effects of pulsed magnetic
radiation (diapulse) and chemotherapy on tumor
bearing mice. The measurement of roden
tpalatal explants as a device for measurement of
the biologic effects of somatic radiation
(EBM)
Recruitment and discharge properties of motor
unit in human brachial biceps and adductor
pollicis during isometric contractions
General activities related to medical research
MEDICAL PHYSICS INST. OTHECHR (NETHERLANDS).
Balance training of the equilibrium organ and
its effect on flight strategy
MEDIZINISCHE POLIKLINIK DER UNIV., WUERZBURG (WEST
GERMANY).
The significance of rhythm disturbances in
asymptomatic persons
MIAMI UNIV., CORAL GABLES, FLA.
Interfacial and intracellular water: Expected
anomalies in dielectric properties
MICHIGAN STATE UNIV., EAST LANSING.
Arm-Leg reach and workspace layout
p0033 N79-11739

MICHIGAN UNIV., ANN ARBOR.
The response of selected terrestrial organisms to the Martian environment - A modeling study
p0036 N79-27928
The inertial properties of the body and its segments
p0033 N79-11738
Whole body response research program
[PB-286151/6]
p0093 N79-15600
Whole body response research program. Appendix A: Methodology
[PB-286152/3]
p0094 N79-15641
Whole body response research program. Appendix B: Raw Data
[PB-286153/2]
p0094 N79-15642
Whole body response research program. Appendix C: Processed data
[PB-286154/0]
p0094 N79-15643
A stochastic model of muscle fatigue in frequent strenuous work cycles
p0261 N79-29789
Isometric strength testing in selecting workers for strenuous jobs
p0262 N79-29790

MIDWEST RESEARCH INST., CINCINNATI, OHIO.
Evaluation of clofibrate on carboxyhemoglobin in oxygenators
[PB-286698/6]
p0112 N79-15647
MINICARS, INC., GOLETA, CALIF.
Development of a solid propellant inflation assist device
[PB-286129/2]
p0084 N79-15579

MISSOURI UNIV., COLUMBIA.
The growth kinetics of freshwater algae in a turbid Missouri Reservoir
[PB-291012/3]
p0178 879-21774
Toxicity to blue-green algae and other nuisance organisms
[PB-291637/7]
p0189 N79-22751

MISSOURI UNIV., KANSAS CITY.
Citic acid enhancement of copper sulfate toxicity to blue-green algae and other nuisance organisms
[PB-290460/5]
p0170 N79-20718
Citic acid enhancement of copper sulfate toxicity to the blue-green algae "Phormidium flos-aquae" and "Microcystis aeruginosa"
[PB-291637/7]
p0189 N79-22751

MONTGOMERY HOSPITAL, NEW YORK.
Comparison of plasma and urinary steroids in men with type A and type B behavior patterns
p0028 N79-11704

MOUNT SINAI HOSPITAL AND MEDICAL CENTER, SAN FRANCISCO, CALIF.
Comparison of plasma and urinary steroids in men with type A and type B behavior patterns
p0028 N79-11704

N

NATIONAL ACADEMY OF SCIENCES - NATIONAL RESEARCH COUNCIL, WASHINGTON, D. C.
Zinc
[PB-285130/1]
p0057 N79-13704
Improved subcutaneous electrode structure
[NASA-CASE-ARC-11117-1]
p0084 N79-15576
Evaluation of research on surrogates for humans in motor vehicle crashes
[PB-291012/3]
p0178 879-21774
The effects of whole-body vibration on health
[AD-1068478]
p0264 N79-31900

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D. C.
Challenges to life support system's future
[ASME PAPER 78-ENAS-28]
p0008 A79-12582
Life sciences in the Shuttle era
[ASME PAPER 78-ENAS-34]
p0008 A79-12582
NASA flight management research
p0400 A79-13218
The role of physical examinations and education in prospective medicine
p0026 N79-11694
The cosmonaut in flight
[NASA-TP-17438]
p0032 N79-11729
Role of gravity in early development
[NASA-TN-75599]
p0049 N79-12684
The organization and the habitation atmosphere
[NASA-TM-75536]
p0049 N79-12685
The effects of strong shock waves on mortality rates and percentages of pulmonary lesions in rats as a function of the number of exposures
[NASA-TM-75598]
p0053 N79-13676
Paul Bert
[NASA-TM-75599]
p0055 N79-13687
Materials of the final reports on the joint Soviet-American experiments on the Kosmos-936 biosatellite
[NASA-TM-75582]
p0071 N79-14711
Man in space and on earth
[NASA-TP-75602]
p0122 N79-17533
The Mendoza experiment: An orbital complex ten weeks in flight
[NASA-TM-75534]
p0169 N79-20714
Biochemical coordination chemistry: The potential role of transition-metal complexes in the chemical evolution
[NASA-TM-75518]
p0169 N79-20715
Salut-6 - Soyuz-29: Our commentary, the crew and the station
[NASA-TM-75611]
p0174 N79-20745
Microanalytical identification of barium sulphate crystals in statoliths of Chara hispida
[NASA-TM-75611]
p0175 N79-21748

C-18
Utilization of the wastes of vital activity

Publications of the planetary biology program for 1977: A special bibliography

Investigations into the quantitative changes of carbon dioxide production in humans. Report 21: Carbon dioxide production during fever and its relationship with heat production

Obtaining growth hormone from calf blood

Experimental and theoretical investigations concerning a frequency filter behavior of the human retina regarding electric pulse currents

Contribution to the theory of photopic vision: Retinal phenomena

Biological specimen holding facilities for Spacelab experiments

Comparison of circadian rhythms in male and female humans

Comparison of biorhythms and electrolyte circadian rhythms in male and female humans

Characterization of a novel extremely alkalophilic bacterium

A study of axonal degeneration in the optic nerves of aging mice

In vivo response of ornithine decarboxylase activity to growth hormone as demonstrated by oxidation of L-ornithine-1-C-14 in hypophysectomized rats

Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat

Temperature-dependent morphological changes in sebaceous glands of rat and mouse

Planetary protection guidelines for Outer Planet missions

Animal life support transporters for Shuttle/Spacelab

Vestibular function research aboard Spacelab

Support system considerations for STS biological investigations

Studies on the erythrocyte and the ferrokinetic responses in beagles adapted to hypergravity

Coordinated crew performance in commercial aircraft operations

Identification of a tripeptidyl aminopeptidase in the anterior pituitary gland - Effect on the chemical and biological properties of rat and bovine growth hormones

The Viking biological investigations - Review and status

Cardiovascular regulatory response to lower body negative pressure following blood volume loss

The use of hybrid integrated circuit techniques in biotelemetry applications

Semen changes in the ruminants of animal welfare in vivo and in vitro

ECO/CO-59: half-life and albinism turnover in growing beagle dogs during chronic gondola acceleration

The response of selected terrestrial organisms to the Martian environment - A modeling study

Plasma volume and electrolyte shifts with heavy exercise in sitting and supine positions

Prebiotic nucleotide oligosacceration in a fluctuating environment - Effects of kaolinite and cyanamide

Effects of aeration on formation and localization of the acetyl coenzyme A synthetases of Saccharomyces cerevisiae

Effect of sodium and calcium ingestion on thermostability during exercise in man

Spaceflight and bone turnover - Correlation with a new rat model of weightlessness

The joint US-USSR biological satellite program

Swimming responses during heat acclimation and moderate conditioning

A rationale for human operator pulsive control behavior

Motion sickness in cats - A symptom rating scale used in laboratory and flight tests

An approach to the origin of self-replicating system - Intermolecular interactions

Relationship between proton motive force and thermoregulation during exercise in man

Electrocardiogram and temperature, ERG, and activity monitoring

Telemetry of intracranial pressure

Analysis of population mortality kinetics with application to the longevity followup of the Navy's 1,000 aviators

Telemetry of intracranial pressure

Continuous metabolic and cardiovascular measurements on a monkey subject during a 6-day Spacelab mission

Heparin - Reagent for the indirect crossmatch test

Analysis of population mortality kinetics with application to the longevity followup of the Navy's 1,000 aviators

Limb blood flow - Rest and heavy exercise in sitting and supine positions in man

Inhibition of the pituitary-adrenal response to stress during deprivation-induced feeding

Computer design synthesis of a below knee-Symmetry prosthesis

Hypertension and exercise

Insulin-like effect of bovine growth hormone in vivo as demonstrated by oxidation of C-14-labeled glucose in diabetic rats

Effects of high-LET neon /Ne-20/ particle radiation on the brain, eye and other head structures of the pocket mouse - A histological study

Quantitative analysis of eating behavior in aging male Drosophila melanogaster

A structural model of the adaptive human pilot

C-19
Quantitative analysis of selected bone parameters
Cosmic ray effects on the eyes of stationary and
centrifuged rats flown on COSMOS 936,
experiment K-207
p0024 N79-11678

Subcutaneous channeling probe
[NASA-CASE-ARC-11091-1]
p0025 N79-11684

Physiological responses of women to simulated
weightlessness: A review of the first female
bed-rest study
[NASA-SP-940]
p0054 N79-13686

Indomethacin-antihistamine combination for
gastric ulceration control
[NASA-CASE-ARC-11116-2]
p0077 N79-14755

A simulator study of the interaction of pilot
workload with errors, vigilance, and decisions
[NASA-TM-78482]
p0079 N79-14769

Improved subcutaneous electrode structure
[NASA-CASE-ARC-11117-1]
p0084 N79-15576

The 14th Annual Conference on Manual Control
[NASA-CC-2069]
p0086 N79-15588

A safety margin and flight reference system
and display for powered-lift aircraft
p0090 N79-15614

Vision
p0095 N79-15694

A dual-loop model of the human controller
p0115 N79-17480

The human as a detector of changes in variance
and bandwidth
p0117 N79-17496

Speech as a pilot input medium
p0119 N79-17519

Miniature implantable ultrasonic echosounder
[NASA-CASE-ARC-11035-1]
p0144 N79-18580

Effects of hypodynamic simulations on the
definition of effective workload in the
skeletal system of monkeys
p0146 N79-19021

Aircraft flight simulation of space laboratory
experiments using an implanted telemetry system
to obtain cardiovascular data from the monkey
p0147 N79-19022

Computer program for calculation of oxygen uptake
[NASA-TM-78585]
p0174 N79-21741

Wildlife monitoring program plan
[NASA-TM-78578]
p0190 N79-23626

Spacesuit mobility knee joints
p0214 N79-24651

A long-range and long-life telemetry
payload for cardiovascular data-acquisition system
for heart rate and multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
p0239 N79-26762

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2]
p0240 N79-26771

Spinal immobilization method and apparatus
[NASA-CASE-ARC-11167-1]
p0279 N79-30921

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
L. DRYDEN FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
Flight test evaluation of an RAP high altitude
carrying canister with a pressurization system
[NASA-TM-78264]
p0214 N79-24658

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

Goddard Space Flight Center, Greenbelt, Md.

Wildlife monitoring program plan
[NASA-CASE-ARC-11056-2]
p0214 N79-24651

A long-range and long-life telemetry
payload for cardiovascular data-acquisition system
for heart rate and multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
p0239 N79-26762

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2]
p0240 N79-26771

Spinal immobilization method and apparatus
[NASA-CASE-ARC-11167-1]
p0279 N79-30921

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
L. DRYDEN FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
Flight test evaluation of an RAP high altitude
carrying canister with a pressurization system
[NASA-TM-78264]
p0214 N79-24658

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

Goddard Space Flight Center, Greenbelt, Md.

Wildlife monitoring program plan
[NASA-CASE-ARC-11056-2]
p0214 N79-24651

A long-range and long-life telemetry
payload for cardiovascular data-acquisition system
for heart rate and multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
p0239 N79-26762

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2]
p0240 N79-26771

Spinal immobilization method and apparatus
[NASA-CASE-ARC-11167-1]
p0279 N79-30921

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
L. DRYDEN FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
Flight test evaluation of an RAP high altitude
carrying canister with a pressurization system
[NASA-TM-78264]
p0214 N79-24658

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

Goddard Space Flight Center, Greenbelt, Md.

Wildlife monitoring program plan
[NASA-CASE-ARC-11056-2]
p0214 N79-24651

A long-range and long-life telemetry
payload for cardiovascular data-acquisition system
for heart rate and multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
p0239 N79-26762

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2]
p0240 N79-26771

Spinal immobilization method and apparatus
[NASA-CASE-ARC-11167-1]
p0279 N79-30921

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
L. DRYDEN FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
Flight test evaluation of an RAP high altitude
carrying canister with a pressurization system
[NASA-TM-78264]
p0214 N79-24658

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

Goddard Space Flight Center, Greenbelt, Md.

Wildlife monitoring program plan
[NASA-CASE-ARC-11056-2]
p0214 N79-24651

A long-range and long-life telemetry
payload for cardiovascular data-acquisition system
for heart rate and multiple body temperatures from free-ranging
animals
[NASA-TM-78590]
Aircraft sonic boom: Biological effects. A bibliography with abstracts [NTIS/PS-79/0190/1] p0174 N79-24650

NAVAL AEROSPACE MEDICAL INST., PENSACOLA, Fla.
Human performance in concurrent verbal and tracking tasks: A review of the literature [AD-A0606931] p0085 879-19669

NAVAL AEROSPACE MEDICAL RESEARCH LAB., NEW ORLEANS, La.
Medical qualification procedures for hazardous-duty aeromedical research [AD-A0636987] p0085 N79-15585

NAVAL AEROSPACE MEDICAL RESEARCH LAB., PENSACOLA, Fla.
Oculogravic illusion in response to straight-ahead acceleration of a CF-104 aircraft [AD-A0649626] p0164 N79-30660
Rotation at 30 RPM about the Z axis after 6 hours in the 10-deg head-down position - Effect on susceptibility to motion sickness [AD-A0605128] p0165 N79-30662

C-22
<table>
<thead>
<tr>
<th>Corporate Source Index</th>
<th>Office National d'Études et de Recherches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of the CWU-48/P high temperature resistant aramid knit flyer's coverall</td>
<td>p0059 N79-13716</td>
</tr>
<tr>
<td>Environmental test and evaluation of a molecular sieving on-board oxygen generation system</td>
<td>p0125 N79-17559</td>
</tr>
<tr>
<td>Protective approaches in the modernization of the physiological effects of extreme ambient conditions in helicopter operations</td>
<td>p0149 N79-19618</td>
</tr>
<tr>
<td>Human factor engineering test and evaluation of the US Navy LAMPS helicopter systems</td>
<td>p0151 N79-19632</td>
</tr>
<tr>
<td>US Navy development of an On-Board Oxygen Generation (OBG) system</td>
<td>p0197 N79-28656</td>
</tr>
<tr>
<td>Thermal conduction effects in human skin. 1: Experimental data acquisition</td>
<td>p0259 N79-28671</td>
</tr>
<tr>
<td>Thermal conduction effects in human skin. 2: Influence of epidermal thickness and exposure time</td>
<td>p0259 N79-2872</td>
</tr>
<tr>
<td>Human body and crew station modelling system for motion studies</td>
<td>p0287 N79-31922</td>
</tr>
<tr>
<td>Human factors responses to repeated 40 mph 2 pulses</td>
<td>p0288 N79-31928</td>
</tr>
<tr>
<td>NAVAL AIR TEST CENTER, PATUXENT RIVER, MD. Aircrew personnel restraint subsystems: Definition of deficiencies and correction measures</td>
<td>p0053 N79-12711</td>
</tr>
<tr>
<td>NAVAL CIVIL ENGINEERING LAB., PORT HUENEMER, CALIF. A head injury model</td>
<td>p0286 N79-31918</td>
</tr>
<tr>
<td>NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIF. Human factors evaluation of the A-47-21 display console</td>
<td>p0020 N79-10743</td>
</tr>
<tr>
<td>A preliminary investigation of aural input/output systems for in-flight information retrieval</td>
<td>p0178 N79-21770</td>
</tr>
<tr>
<td>Development of information theory concepts and equations for human mental processing</td>
<td>p0260 N79-28877</td>
</tr>
<tr>
<td>Effects on A-6E bomber/driver/navigator flight training with the introduction of device 2P114, A-6E weapon system trainer</td>
<td>p0289 N79-31933</td>
</tr>
<tr>
<td>NAVAL RESEARCH LAB., WASHINGTON, D.C. Capabilities of radar as they might relate to entomological studies</td>
<td>p0188 N79-19598</td>
</tr>
<tr>
<td>NAVAL SURFACE WEAPONS CENTER, WHITE OAK, MD. Investigation of techniques to reduce electrostatic discharge susceptibility of HBO's containing plastic plugs</td>
<td>p0093 N79-15638</td>
</tr>
<tr>
<td>NAVAL TRAINING EQUIPMENT CENTER, ORLANDO, FLA. Compensation for transport delays produced by computer image generation systems</td>
<td>p0019 N79-10738</td>
</tr>
<tr>
<td>NAVAL WEAPONS CENTER, CHINA LAKE, CALIF. Safety evaluation tests of personal protective equipment for ordnance operations</td>
<td>p0053 N79-12712</td>
</tr>
<tr>
<td>NAVY CLOTHING AND TEXTILE RESEARCH FACILITY, NATICK, MASS. Aluminized firefighters' crash-escape protective hood: Facepiece-visor redesign study</td>
<td>p0085 N79-15584</td>
</tr>
<tr>
<td>淫性 asymmetry as related to pilot and radar intercept officer performance</td>
<td>p0289 N79-31935</td>
</tr>
<tr>
<td>NEW HAMPSHIRE UNIV., LEICESTER. The prototype wrist joint assembly TACPAV (Triple Axis Common Pivot Arm Wrist), phase 2</td>
<td>p0093 N79-15635</td>
</tr>
<tr>
<td>NETHERLANDS INSTITUUT VOOR PREVENTIEVE GENESISHUDE, TNO, LEIDEN. Reduced mental capacity and behavior of a rider of a bicycle simulator under alcohol stress or under dual task load</td>
<td>p0116 N79-17489</td>
</tr>
<tr>
<td>NEVADA UNIV., LAS VEGAS. Distribution of phytoplankton in North Carolina lakes</td>
<td>p0084 N79-15573</td>
</tr>
<tr>
<td>NEW ENGLAND MEDICAL CENTER HOSPITALS, BOSTON, MASS. Determination of antimicrobial susceptibilities on infected urines without isolation</td>
<td>p0076 N79-14750</td>
</tr>
<tr>
<td>NEW MEXICO UNIV., ALBUQUERQUE. Stress factors on pilot performance. Citations from the International Aerospace Abstracts data base</td>
<td>p0260 N79-28878</td>
</tr>
<tr>
<td>NEW YORK UNIV., N.Y. Atmospheric neutrinos</td>
<td>p0211 N79-24631</td>
</tr>
<tr>
<td>NORTH CAROLINA STATE UNIV. AT RALEIGH. A model for predicting human discomfort response to combined noise and vertical vibration</td>
<td>p0156 N79-19685</td>
</tr>
<tr>
<td>NORTH CAROLINA STATE UNIV., RALEIGH The role of insect dispersal and migration in population processes</td>
<td>p0147 N79-19593</td>
</tr>
<tr>
<td>NORTHERN COLORADO STATE UNIV., GRAND FORKS. Application of computer simulated decompression profiles</td>
<td>p0017 N79-10722</td>
</tr>
<tr>
<td>NORTHROP CORP., HAWTHORNE, CALIF. Prediction, evaluation, and specification of flying qualities by means of step target tracking</td>
<td>p0088 N79-15604</td>
</tr>
<tr>
<td>Error rate information in attention allocation pilot models</td>
<td>p0115 N79-17483</td>
</tr>
<tr>
<td>Prediction of pilot reserve attention capacity during air-to-air target tracking</td>
<td>p0116 N79-17488</td>
</tr>
<tr>
<td>NORTHERNNESS UNIV., EVANSVILLE, ILL. Raman spectroscopy of biological membranes and other biological systems</td>
<td>p0181 N79-18559</td>
</tr>
<tr>
<td>Dynamic measurement of human cyclofusional eye movements</td>
<td>p0182 N79-18575</td>
</tr>
<tr>
<td>Three dimensional discrete element dynamic model of the spine, head and torso</td>
<td>p0285 N79-31910</td>
</tr>
<tr>
<td>NOTRE DAME UNIV., IND. Application of numerical methods to physiological flows</td>
<td>p0146 N79-18945</td>
</tr>
<tr>
<td>OAK RIDGE NATIONAL LAB., TENN. Emergence of biotechnology</td>
<td>p0211 N79-24626</td>
</tr>
<tr>
<td>Dose-rate conversion factors for external exposure to photon and electron radiation from radionuclides occurring in routine releases from nuclear fuel cycle facilities</td>
<td>p0259 N79-28873</td>
</tr>
<tr>
<td>Mutagenic components of alternate energy sources</td>
<td>p0280 N79-30923</td>
</tr>
<tr>
<td>OFFICE NATIONAL D'ÉTUDES ET DE RECHERCHES AEROSPATIALES, PARIS (FRANCE).</td>
<td></td>
</tr>
</tbody>
</table>

C-23
Discrete-time model pilot behavior

Discrete-time modeling of heavy transport plane pilot behavior

Office of Radiation Programs, Las Vegas, NV

Measurements of radiofrequency field intensity in buildings with close proximity to broadcast stations

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A comparison of kinesthetic-tactual and visual displays via a critical tracking task

Evaluation of kinesthetic-tactual displays using a critical tracking task

An investigation of the pulse-scatter imaging technique for medical ultrasonic imaging and tissue characterization

Techniques of cumulative quantitative characterization of the thorax using aulouiscos methods

Combined discrete network-continuous control modeling of man-machine systems

Estimation of rate constants in the Michaelis-Menten model

Ohio State University, Research Foundation, Columbus

A formal model of the adaptive and discrete control behaviors of human operators

Ohio University, Athens

Evidence for the neural regulation of respiration during low intensity exercise in man

A study of the mechanism of thigmomorphogenesis in plants, with special reference to the role of ethylene and its significance to research with plants in space

NASA-CR-158506

Ohio University, Athens

Effects of methylprednisolone sodium succinate on clearance of living E. coli from peripheral blood of dogs

Oregon State University, Corvallis

The development and evaluation of objective frequency domain based pilot performance measures in ASSEP

AD-A059477

Metabolism of hydrazine

AD-A062251

Oregon University, Eugene

Time-sharing is not a unitary ability

AD-A056322

Oregon Diagnostics, El Monte, Calif.

Water system virus detection

NASA-CR-16099-1

Oxford Orthopaedic Engineering Centre (England)

Caloric and exercise requirements of space flight - Biomechanical results from Skylab

Pacifica Systems, Inc., Arlington, VA

Workload and the certification of helicopters for IFR operation

AD-A077258

Paris V Univ. (Franch)

The use of biostereometry in helicopter cockpit design

Paris-Val de Marne Univ., Creteil (Franch)

Abundance of organic compounds photochemically produced in the atmospheres of the outer planets

Pennsylvania State University, University Park

Effects of magnesium, calcium, and serous on reversal of stable I-forms

Minute tubular forces in soil

Purdue University, Lafayette, Ind.

Attachment to autoclaved soil of bacterial cells from pure cultures of soil isolates

Purification and cultivation of human pituitary growth hormone secreting cells

NASA-CR-158583

Evaluation of biofeed therapy

PB-877777/7

Evaluation of clinical biofeedback

PB-877776/9

A comparison of sweating responses in men and women before and after acclimation to humid heat

X-ray backscatter imaging

Purification and cultivation of human pituitary growth hormone secreting cells

NASA-CR-160242

Pennsylvania University, Philadelphia

Serendipitous solution to the problem of cultivating Arabidopsis plants in sealed containers for spaceflights of long duration

Importance of temperature control for REFLUX, a biological experiment for Spacelab 1

Analysis of inert gas exchange in the middle ear

Pittsburgh University, PA

Effect of optical magnification on the perception of displayed orientation

Planning Research Corp., Kennedy Space Center, Fla.

Advanced life support equipment for nitrogen tetroxide environments

Polytechnic Inst. of New York

Acoustic attitude orientation

Prens Mauritz Labs, To, Rijswijk (Holland)

Percutaneous absorption of toxic agents. Part 2: The nerve bases and some other toxic organophosphates. A survey of the literature

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Effects of oxides on nitrogen, Carbon monoxide and photochemical oxidants on the EEC during exercise and on cardiopulmonary function

Purdue University, Lafayette, Ind.

An illness-injury severity index
Microwave frequencies and the structure of the double helix  
P0050 N79-12688

Pilot-optimal augmentation synthesis  
P0082 N79-15559

Advanced industrial robot control systems  
[PB-287273/7]  
P0113 N79-16558

The relationship between adult articular cartilage thickness and dynamic loads of a uniaxial joint  
P0154 N79-19671

A mathematical scheme for predicting the electro-acoustic frequency response of hearing aid receiver-earbud-ear systems  
P0154 N79-19673

Magnitude estimation as a hearing aid selection procedure  
P0246 N79-27838

QUEEN ELIZABETH COLL., LONDON (ENGLAND).  
Determination of bound water in biological materials from dielectric measurements  
P0082 N79-15557

RANCHO LOS AMIGOS HOSPITAL, INC., DOWNEY, CALIF.  
Computer quantitation of coronary angiograms  
P0093 N79-51030

RAND CORP., SANTA MONICA, CALIF.  
Individual differences in knowledge acquisition from maps  
[AD-A065062]  
P0106 N79-23663

RASOR ASSOCIATES, INC., SUNNYVALE, CALIF.  
Noninvasive assessment of pulmonary hypertension using bubble ultrasonic ranging (BURP) method, part 2  
[PB-283935/5]  
P0051 N79-12699

RASOR ASSOCIATES, INC., SUNNYVALE, CALIF.  
Potential relationship between human central nervous system injury and impact forces based on pristine studies  
P0286 N79-31919

REHABILITATIONSKLINIK LOIDL, BÖHMERTSHEIM-BIEBERBACHEN (WEST GERMANY).  
Potential relationship between human central nervous system injury and impact forces based on pristine studies  
P0286 N79-31919

RESEARCH INST. OF NATIONAL DEFENCE, STOCKHOLM (SWEDEN).  
Effect on mice of microwave in the non-thermal intensity region. Respiration, rectal temperature and mental reaction  
[FOA-C-55020-86]  
P0124 N79-17555

Perceived quantization error. Effect of quantization function, reconstruction function and number of levels  
[FOA-C-55020-86]  
P0124 N79-17555

Royal Aircraft Establishment, Farnborough (England).  
Lion on humidity and mesh size  
[ASHE PAPER 78-EMAS-5]  
P0006 N79-12554

Tracer contaminant studies of HSO3 adsorbent  
[NASA-CH-160148]  
P0077 N79-21769

Studying the state of cellular metal ions by the extended X-ray absorption fine structure  
[AD-A069799]  
P0279 N79-30914

A nonlinear mapping approach to discrimination of sleep stages from the human electroencephalogram  
P0334 N79-33817

ROCHESTER UNIV., N. Y.  
Noninvasive ultrasonic blood flow characterization  
P0017 N79-10726

Diffraction-based characterization of biological tissue with ultrasonic  
P0054 N79-13683

Studies of metabolites, function and mechanism of destruction of red cells  
[AD-1070240]  
P0315 N79-33828

Metabolic and physical scaling in microwave/frequency bioeffects studies  
[OSR-3490-1561]  
P0316 N79-33831

ROCKFORD INTERNATIONAL CORP., DOWNEY, CALIF.  
Simulated EVA operation of a remote connector assembly test report  
[NASA-CR-161667]  
P0156 N79-19687

ROSENSTIEL SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES, MIAMI, FLA.  
Nitrigen fixation with photosynthetic marine microorganisms  
[PB-286003/5]  
P0083 N79-15570

Nitrigen fixation with photosynthetic marine microorganisms  
[PB-287590/4]  
P0120 N79-17525

RUPRECHT PARK MEMORIAL INST., BUFFALO, N. Y.  
An approach to the origin of self-replicating system. I - Intermolecular interactions  
P0204 N79-37948

ROYAL AIR FORCE, PARSBOURGH (ENGLAND).  
Mechanics of mammalian lung  
P0247 N79-27044

ROYAL AIR FORCE, HALTON (ENGLAND).  
Injury mechanisms analysis in aircraft accidents  
P0286 N79-31913

ROYAL AIR FORCE CENTRAL MEDICAL ESTABLISHMENT, LONDON (ENGLAND).  
The significance of I wave abnormalities  
P0029 N79-11713

ROYAL AIR FORCE HOSPITAL, HALTON (ENGLAND).  
Beta-adrenoceptor antagonists: Central effects  
P0027 N79-17702

ROYAL AIR FORCE INSTIT. OF AVIATION MEDICINE, FARNBOURGH (ENGLAND).  
Disorientation in Royal Naval helicopter pilots  
P0152 N79-19649

The effect of a reclined sitting position on psychomotor performance during exposure to high, sustained Gz and XGz accelerations  
[FPRC-1362]  
P0248 N79-27856

The effect of acceleration and seat back angle on performance of a reaction time task  
[FPRC-1364]  
P0248 N79-27857

The influence of seat back angle on acceleration tolerance  
[FPRC-1365]  
P0248 N79-27857

ROYAL AIRCRAFT ESTABLISHMENT, FARNBOURGH (ENGLAND).  
The physiological significance of light for human beings  
[RAB-LIB-TRANS-1976]  
P0077 N79-14757

Investigations into the importance of the direction of centrifugal forces acting on the human body  
[RAB-LIB-TRANS-1945]  
P0077 N79-14758

Psychological aspects of the human-operator's activity while tracking  
[RAB-LIB-TRANS-1979]  
P0079 N79-14768

Evaluation of the amount of exposure to vibrations transmitted to the whole body case of vibrations due to a loader mounted on a caterpillar track, a fork-lift truck and a hydraulic excavator  
[RAB-LIB-TRANS-1930]  
P0080 N79-14773

Comparative experiments on performance and fatigue effects on pilots using tracking tests and physiological measurement parameters  
[RAB-LIB-TRANS-1971]  
P0080 N79-14774

The influence of mechanical vibration and noise on the peripheral blood circulation at skin
level
[BAE-LIB-TRANS-1980]
Human factors evaluations of today's helicopters as an aid to future systems design
p0150 N79-19627

Ultrasonic doppler directional blood flow
velocity meter
[BAE-LIB-TRANS-1918]
p0279 N79-30920

The use of spinal analogues to compare human tolerance of repeated shocks with tolerance of vibration, part 1
p0288 N79-31926

ROYAL NAVAL AIR MEDICAL SCHOOL, SHEFFIELD PARK (ENGLAND)
A system of training in aviation physiology and human factors for Army and Navy helicopter aircrew
p0151 N79-19635

ROYAL NAVAL PERSONNEL RESEARCH COMMITTEE, LONDON (ENGLAND)
Human factors. Speech communication
[PS-5/76]
p0113 N79-16555

BUSH MEDICAL CENTER, CHICAGO, ILL.
Directional errors of movements and their correction in a discrete tracking task
p0086 N79-15589

BUSH-PRESBYTERIAN-SAINTE LUCIE'S MEDICAL CENTER, CHICAGO, ILL.
A quasi-linear control theory analysis of time-sharing skills
p0120 N79-17520

RUTGERS - THE STATE UNIV., NEW BRUNSWICK, N. J.
A study of cerebral blood flow in the goat. A. Correlations between the ventilatory and cerebrovascular responses to carbon monoxide inhalation. B. The dynamics of the cerebral blood flow response to hypoxia by frequency response analysis
p0107 N79-16510

The effects of brain ischemia on the control of breathing in unanesthetized goats
p0190 N79-23624

SAINT LOUIS UNIV., MO.
List blood flow - Rest and heavy exercise in sitting and supine positions in man
p0235 N79-43208

SAN FRANCISCO UNIV., CALIF.
Statistical studies of animal response data from USF toxicity screening test method
p0066 N79-18305

Two-week studies of survivors from exposures to pyrolysis gases
p0066 N79-18307

Weight control and restraint of laboratory rats
p0113 N79-26584

Effects of high-LET neon /He-20/ particle radiation on the brain, eyes and other head structures of the pocket mouse - A histological study
p0252 N79-48798

Space radiation dosimetry onboard COSBOS 936: OS portion of experiment X-206
p0023 N79-11677

SAN JOSE STATE UNIV., CALIF.
Perpetual factors involved in performance of air traffic controllers using a microwave landing system
p0092 N79-15628

Venibular influences on other sensory and motor processes
p0094 N79-15939

SAN JOSE STATE UNIVERSITY, FOUNDATION, CALIF.
The role of cognitive switching in head-up displays
[NASA-CH-3137]
p0318 N79-33851

SANTRA LABS., AEROQUADE, N. RH.
Effect of impermeableness of clothing and respirator on work performance. Part 1: Laboratory studies
[SAND-79-1722]
p0034 N79-11748

SCHOOL OF AEROSPACE MEDICINE, BROOKS AFB, TX.
Influence of the ambient acceleration field upon acute acceleration tolerance in chickens
p0230 N79-41115

A prospective medical approach to the problem of ischemic vascular disease in the USAF
p0027 N79-11697

Distinguishing borderline hypertensives from normotensives: A clinical study of 300 aircrewmen
p0027 N79-11699

Psychosocial aspects of syncope and vertigo in aircrew
p0027 N79-11701

The prediction of the existence or nonexistence of coronary artery disease using routine clinical laboratory measurements
p0279 N79-11703

Detection of coronary artery disease in apparently healthy, asymptomatic aircrew members using thallium-201 myocardial perfusion scintigraphy
p0029 N79-11712

Effect of age on relaxed isometric muscle tolerance of aircrewmen
p0030 N79-11719

Reproducibility of human cardiovascular responses to orthostatic stress
p0030 N79-11720

Human compatibility testing of a 2-man molecular sieve oxygen generator
[AD-A059248]
p0053 N79-12710

Minute mean crew fatigue and 24-hour alertness
p0056 N79-13669

Fighter index of thermal stress: Development of interia guidance for hot-weather USAF operations
[AD-A053471]
p0056 N79-13699

The dynamic oxygen-regulator test study
[AD-A060798]
p0125 N79-17560

Specific findings in cardiology and pulmonary function with special emphasis on assessment criteria for flying
p0171 N79-20731

Fighter index of thermal stress: Relation to winter conditions at ATC and FAC bases
[AD-A062713]
p0174 N79-20768

Electrical parameter values of some human tissues in the radiofrequency radiation range
[AD-A064202]
p0189 N79-22754

Hybrid computation of left ventricular performance using noninvasive techniques
[AD-A063749]
p0190 N79-22758

Mathematical modeling of arterial oxygen saturation and eye-level blood pressure during +G sub z stress
p0206 N79-31916

SCIENCE APPLICATIONS, INC., ARLINGTON, VA.
Image processing program completion report
[AD-A061597]
p0123 N79-17549

SCIENCE APPLICATIONS, INC., ENGLEWOOD, COLO.
A critially annotated bibliography of the literature on human factors in computer systems
[AD-A058081]
p0052 N79-12707

SCIENTIFIC SYSTEMS, INC., CAMBRIDGE, MASS.
Microprocessor: Based prosthetic control
[P-8-286652/3]
p0113 N79-16559

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Cell biology basis for the life of an organism in the radiation field
[ANL-TRANS-1152]
p0261 N79-29786

SIEBRA ENGINEERING CO., SIEBRA MADRE, CALIF.
Evaluation of the Siebra Engineering Company lightweight helmet
[AD-A061799]
p0157 N79-19689

SLOAN-RETHERING INST. FOR CANCER RESEARCH, NEW YORK.
The response of selected terrestrial organisms to the Martian environment - A modeling study
[AD-A056798]
p0136 N79-27928

SOUTH DAKOTA UNIV., VIBRILLION.
Squalenes, phytanes and other isoprenoids as major neutral lipids of methanogenic and thermoacidophilic 'archaeabacteria'
p0032 N79-42274

SOUTHAMPTON UNIV. (ENGLAND).
The biodynamic response of the human body and its application to standards
p0288 N79-31929

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Vehicle steering control: P. model of learning to drive
[AD-A058091]
p0052 N79-12707

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The distribution of cadmium and other metals in the vehicle steering control: P. model of learning to drive
[AD-A058091]
p0052 N79-12707

SPAR AEROSPACE PRODUCTS LTD., TORONTO (ONTARIO).
Assessed simulations of the SSM in SIMAPAC
C-26
Iodine imaging using spectral analysis
A three dimensional discrete element dynamic model of the spine, head and torso
The development of a six degree-of-constraint robot performance evaluation test
Human circadian physiology: Internal organization of temperature, sleep-wake and neuroendocrine rhythms monitored in an environment free of time cues
Estimation of nerve-bundle conduction
Cardiopulmonary readjustments in passive tilt
A quasi-linear control theory analysis of time-sharing skills
The morphogenetic responses of cultured totipotent cells of carrot (Daucus carota L.) at zero gravity
Electrophoresis pattern of serum from mice exposed to different concentrations of sulfur dioxide
The effects of the pollutant, sodium cyanide, on the morphology and physiology of oedogonium carducae
A failure criterion for human, vertebral, cancellous bone
Health effects associated with diesel exhaust emissions, literature review and evaluation
Evaluation of four target-identification training techniques
A safety margin and flight reference system and display for powered-lift aircraft
Roll tracking effects of G-vector tilt and various types of motion washout
Investigation of nonlinear motion simulator washout schemes
The effects of alcohol on driver performance in a decision making situation
A decision model applied to alcohol effects on driver signal light behavior
Driver steering dynamics measured in a simulator under a range of visibility and roadmaking conditions
Progress in measuring and modeling the effects of low frequency vibration on performance

TACTICAL AIR COMMAND, LANGLEY AFB, VA.
Medical and operational factors of accidents in advanced fighter aircraft
TACTICAL DRONE SQUADRON (11TH), DAVIS-MONTHAR AIR, ARIZ.
A head-up display for mid-air drone recovery
TECHNISCHE HOCHSCHUL ZURICH, ZURICH (SWITZERLAND)
Mechanics of breathing during graded exercise measured with the bodyplethysmograph
TECHNISCHE HOCHSCHULE, DARMSTADT (WEST GERMANY)
Reference parameters for shock inputs and shock tolerance limits
TECHNISCHE HOGESCHOOL, DELFT (NETHERLANDS)
Parameter estimation in a human operator describing function model for a two-dimensional tracking task
Modelling the human operator of slowly responding systems using linear models
A model of the human supervisor
Ventilatory models and thresholds of motion perception, Result of tests in a flight simulator

TECHNISCHE HOGESCHOOL, ERDBROEK, ERDBROEK, (NETHERLANDS)
Computer design synthesis of a below-knee-5Kg prosthesis
Observability of electrical heart activity studied with singular value decomposition

TECHNOLOGY, INC., HOUSTON, TX.
Food packages for Space Shuttle

TECHNOLOGY, INC., MOUNTAIN VIEW, CALIF.
SYSTEMS CONTROL, INC., PALO ALTO, CALIF.
Human operator identification model and related computer programs

SYSTEMS RESEARCH LABS., INC., DAYTON, OHIO
AAA gunnersonel based on observer theory
The effects of closed loop tracking on a subjective tilt threshold in the roll axis
Multipurpose digital switching and flight control workload

SYSTEMS TECHNOLOGY, INC., HAWTHORNE, CALIF.
Use of reward-penalty structures in human experimentation

SRI INTERNATIONAL CORP., MENLO PARK, CALIF.
Assessment of human exposures to atmospheric benzene
Development of high-resolution ultrasonic imaging techniques for detection of clinical assessment of cardiovascular disease
Development of high-resolution ultrasonic imaging techniques for detection and clinical assessment of cardiovascular disease
Two measures of performance in a peg-in-hole manipulation task with force feedback
Study of modeling and evaluation of remote manipulation tasks with force feedback
Study of pharmacetical industrial problems
Development of techniques to enhance man/machine communication
A directional pulsed-Doppler ultrasonic blood flowmeter
The development of a six degree-of-constraint robot performance evaluation test
Human circadian physiology: Internal organization of temperature, sleep-wake and neuroendocrine rhythms monitored in an environment free of time cues
Estimation of nerve-bundle conduction
Cardiopulmonary readjustments in passive tilt
A quasi-linear control theory analysis of time-sharing skills
The morphogenetic responses of cultured totipotent cells of carrot (Daucus carota L.) at zero gravity
Electrophoresis pattern of serum from mice exposed to different concentrations of sulfur dioxide
The effects of the pollutant, sodium cyanide, on the morphology and physiology of oedogonium carducae
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Roll tracking effects of G-vector tilt and various types of motion washout
Investigation of nonlinear motion simulator washout schemes
The effects of alcohol on driver performance in a decision making situation
A decision model applied to alcohol effects on driver signal light behavior
Driver steering dynamics measured in a simulator under a range of visibility and roadmaking conditions
Progress in measuring and modeling the effects of low frequency vibration on performance
Signal processing in ultrasound  

UNIVERSITY OF SOUTHERN ILLINOIS AT CARBONDALE.  
Cardiovascular, metabolic, and respiratory  
responses of sedentary females to equal  
metabolic workloads on the bicycle ergometer  
and treadmill  

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A simple model of fluid flow and electrolyte  
balance in the body  

UNIVERSITY OF WESTERN KENTUCKY, BOWLING GREEN.  
Wavelength dependence of ultraviolet-enhanced  
reactivation and induction of mammalian viruses  

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Personnel neutron monitoring in space  

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BLACKSBURG.  
Human factors analysis of visual distress  

VETERANS ADMINISTRATION HOSPITAL, LITTLE ROCK, ARK.  
Energy transfer mechanisms in photobiological  
reactions  

WATERLOO UNIV. (ONTARIO).  
Analysis of visible spectra and thermodynamic  
parameters in hemoprotein systems  

WAKE FOREST UNIV., WINSTON-SALEM, N.C.  
A transient analysis of the cerebrovascular  
response to carbon dioxide  

WAYNE STATE UNIV., DETROIT, MICH.  
Some recent results on the deposition of  
electromagnetic energy in animals and models  
of man  

WAYNE STATE UNIV., DETROIT, MICH.  
Cardiovascular studies of reducing and oxidizing  
agents  

WEATHER WING (5TH), LANGLEY APB, VA.  
Simulation of head and neck response to -G sub x  
and +0 sub z impacts  

WISCONSIN UNIV. - MADISON.  
Analysis of visible spectra and thermodynamic  
parameters in hemoprotein systems  

WISCONSIN UNIV. HOSPITAL, MADISON.  
Thermodynamic studies on the oxygenation and  
and +0 sub z impacts  

WISCONSIN UNIV. HOSPITAL, MADISON.  
Portable device for detection of petit mal
epilepsy

WILLIAM C., MEMPHIS, TENN.
Implementation of a divisional aviation program to decrease flight crew fatigue

Woods Hole Oceanographic Institution, Mass.
Impact of large scale aquatic biomass systems

Wright State Univ., Dayton, Ohio.
Motion sickness in cats - A symptom rating scale used in laboratory and flight tests

Yale Univ., New Haven, Conn.
A three-dimensional mathematical analogue of the spine structure: A comprehensive approach
TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SP-7011 Supplement</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>1</td>
</tr>
<tr>
<td>191</td>
<td>35</td>
</tr>
<tr>
<td>192</td>
<td>61</td>
</tr>
<tr>
<td>193</td>
<td>97</td>
</tr>
<tr>
<td>194</td>
<td>127</td>
</tr>
<tr>
<td>195</td>
<td>159</td>
</tr>
<tr>
<td>196</td>
<td>181</td>
</tr>
<tr>
<td>197</td>
<td>199</td>
</tr>
<tr>
<td>198</td>
<td>225</td>
</tr>
<tr>
<td>199</td>
<td>251</td>
</tr>
<tr>
<td>200</td>
<td>265</td>
</tr>
<tr>
<td>201</td>
<td>293</td>
</tr>
</tbody>
</table>
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</thead>
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<td>University of Colorado, Boulder</td>
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<td>Georgia Institute of Technology, Atlanta</td>
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<td>Massachusetts Institute of Technology, Cambridge</td>
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<td>Linda Hall Library, Kansas City</td>
</tr>
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</tr>
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<td>University of Oklahoma, Bizzell Library</td>
</tr>
<tr>
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<td>Carnegie Library of Pittsburgh</td>
</tr>
<tr>
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<td>Denver Public Library</td>
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<td>Hartford Public Library</td>
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<td>Boston Public Library</td>
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<td>Detroit Public Library</td>
</tr>
<tr>
<td>MINNESOTA</td>
<td>Minneapolis Public Library</td>
</tr>
<tr>
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<td>Kansas City Public Library</td>
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<tr>
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<td>St. Louis Public Library</td>
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<td>Trenton Public Library</td>
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<td>Brooklyn Public Library</td>
</tr>
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<td></td>
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<tr>
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</tr>
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<td>Memphis Public Library</td>
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<tr>
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<td>Dallas Public Library</td>
</tr>
<tr>
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<td>Seattle Public Library</td>
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<tr>
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</tr>
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<th>TITLE</th>
<th>FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA SP-7011</td>
<td>AEROSPACE MEDICINE AND BIOLOGY</td>
<td>Monthly</td>
</tr>
<tr>
<td></td>
<td>Aviation medicine, space medicine, and space biology</td>
<td></td>
</tr>
<tr>
<td>NASA SP-7037</td>
<td>AERONAUTICAL ENGINEERING</td>
<td>Monthly</td>
</tr>
<tr>
<td></td>
<td>Engineering, design, and operation of aircraft and aircraft components</td>
<td></td>
</tr>
<tr>
<td>NASA SP-7039</td>
<td>NASA PATENT ABSTRACTS BIBLIOGRAPHY</td>
<td>Semiannually</td>
</tr>
<tr>
<td></td>
<td>NASA patents and applications for patent</td>
<td></td>
</tr>
<tr>
<td>NASA SP-7041</td>
<td>EARTH RESOURCES</td>
<td>Quarterly</td>
</tr>
<tr>
<td></td>
<td>Remote sensing of earth resources by aircraft and spacecraft</td>
<td></td>
</tr>
<tr>
<td>NASA SP-7043</td>
<td>ENERGY</td>
<td>Quarterly</td>
</tr>
<tr>
<td></td>
<td>Energy sources, solar energy, energy conversion, transport, and storage</td>
<td></td>
</tr>
<tr>
<td>NASA SP-7500</td>
<td>MANAGEMENT</td>
<td>Annually</td>
</tr>
<tr>
<td></td>
<td>Program, contract, and personnel management, and management techniques</td>
<td></td>
</tr>
</tbody>
</table>

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