Index to NASA News Releases and Speeches 1993

(NASA-TM-109722) INDEX TO NASA NEWS RELEASES AND SPEECHES, 1993 (NASA) 86 p

N94-31883

Unclas

G3/82 0009981

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
The NASA STI Program ... in Profile

Since its founding, NASA has been dedicated to the advancement of aeronautics and space science. The NASA Scientific and Technical Information (STI) Program plays a key part in helping NASA maintain this important role.

The NASA STI Program provides access to the NASA STI Database, the largest collection of aeronautical and space science STI in the world. The Program is also NASA’s institutional mechanism for disseminating the results of its research and development activities.

Specialized services that help round out the Program’s diverse offerings include creating custom thesauri, translating material to or from 34 foreign languages, building customized databases, organizing and publishing research results ... even providing videos.

For more information about the NASA STI Program, you can:

- **Phone** the NASA Access Help Desk at (301) 621-0390
- **Fax** your question to the NASA Access Help Desk at (301) 621-0134
- **E-mail** your question via the Internet to help@sti.nasa.gov
- **Write** to:

  NASA Access Help Desk  
  NASA Center for AeroSpace Information  
  800 Elkridge Landing Road  
  Linthicum Heights, MD 21090-2934
Index to NASA
News Releases and Speeches
1993

NASA TM-109722
April 1994

An index to selected news releases and speeches issued by NASA Headquarters during 1993.
INTRODUCTION

This issue of the Index to NASA News Releases and Speeches contains a listing of news releases distributed by the Office of Public Affairs, NASA Headquarters, and a selected listing of speeches presented by members of the Headquarters staff during 1993. This index supplements the previous issues that were identified as Index to NASA News Releases and Speeches 1963-1966, and the supplements for 1967 through 1992.

The index is arranged in six sections—Subject Index, Personal Names Index, News Release Number Index, Accession Number Index, Speeches, and News Releases.

Section 1, Subject Index, contains subject headings arranged alphabetically that describe the contents of the items indexed. Under each heading the user will find applicable references to news releases and speeches containing information on that subject entry and, in many cases, cross-references to related subject headings. Each entry contains the title, accession number, news release number, and reference section (05 for Section 5, Speeches and 06 for Section 6, News Releases).

Two types of cross-references are used:

S for 'SEE' directs the user to a subject heading where references can be found—

COMSAT
S COMMUNICATIONS SATELLITE CORP.

SA for 'SEE ALSO' directs the user to related subject headings where additional references may be found—

COMMUNICATION SATELLITES
SA TELESAT SATELLITES

Section 2, Personal Names Index, contains personal names arranged alphabetically that identify the persons mentioned in the indexed items or, in the case of speeches, the speaker. Each entry contains the title, accession number, news release number, and the reference section. The symbol + is used to identify speeches presented by the person under whose name they are indexed.

Section 3, New Release Number Index, lists all numbered NASA News Releases arranged in news release number order, with the corresponding accession and reference numbers.

Section 4, Accession Number Index, lists all items indexed in this publication arranged in accession number order. Each entry contains the reference section and the corresponding news release number.

Section 5, Speeches, lists the speeches indexed in this publication arranged in accession number order. Each entry contains the title, speaker, date of release, and other reference information.

Section 6, News Releases, lists the news releases, press briefings, news conference transcripts, and other public information releases indexed in this publication, arranged in accession number order. Each news release reference contains the title, date of release, news release number, if any, and other reference information.

Copies of documents listed in this index are available to NASA offices on request from the NASA Center for AeroSpace Information (CASI), 800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934. Requests for copies of the index itself should also be addressed to CASI via letter, the Internet (help@sti.nasa.gov), telephone (301-621-0390), or fax (301-621-0134).
# Table of Contents

<table>
<thead>
<tr>
<th>SECTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Subject Index</td>
<td>A-1</td>
</tr>
<tr>
<td>2. Personal Names Index</td>
<td>B-1</td>
</tr>
<tr>
<td>3. News Release Number Index</td>
<td>C-1</td>
</tr>
<tr>
<td>4. Accession Number Index</td>
<td>D-1</td>
</tr>
<tr>
<td>5. Speeches</td>
<td>E-1</td>
</tr>
<tr>
<td>6. News Releases</td>
<td>F-1</td>
</tr>
</tbody>
</table>
### INDEX TO NASA NEWS RELEASES AND SPEECHES 1993

**SECTION 1**

**SUBJECT INDEX**

**A**

**ABSORPTION**

<table>
<thead>
<tr>
<th>NASA RESEARCHERS RECORD UNUSUAL FLAMES IN UPPER ATMOSPHERE</th>
<th>P93-10168 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-167</td>
<td></td>
</tr>
</tbody>
</table>

**ABSORPTION SPECTRA**

<table>
<thead>
<tr>
<th>NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY</th>
<th>P93-10025 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>[NASA RELEASE-93-25]</td>
<td></td>
</tr>
</tbody>
</table>

**EVIDENCE FOR SOLID WATER FOUND ON JUPITER’S MOON IO**

<table>
<thead>
<tr>
<th>[NASA RELEASE-93-107]</th>
<th>P93-10108 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS</td>
<td></td>
</tr>
<tr>
<td>NASA RELEASE-93-152</td>
<td>P93-10153 06</td>
</tr>
</tbody>
</table>

**ADVANCED SOLID ROCKET MOTOR / SHUTTLE/ NASA LIMITS EXPENDITURES ON THE ASRM PROGRAM**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-189</th>
<th>P93-10190 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY</td>
<td></td>
</tr>
<tr>
<td>NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY: BRUNEL’S SUPERSONIC AIRLINER EFFORT</td>
<td>P93-10211 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-221</td>
<td>P93-10093 06</td>
</tr>
</tbody>
</table>

**ADVANCED RESEARCH PROJECTS AGENCY**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-221</th>
<th>P93-10093 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-152</td>
<td>P93-10153 06</td>
</tr>
<tr>
<td>NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS</td>
<td></td>
</tr>
<tr>
<td>NASA STARTS RECUTS FOR AERONAUTICS IN MOSCOW</td>
<td>P93-10227 06</td>
</tr>
</tbody>
</table>

**V**

**VARIABLES**

<table>
<thead>
<tr>
<th>NASA'S ACQUISITION OF THE AIR SYSTEM</th>
<th>P93-10056 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-801</td>
<td></td>
</tr>
</tbody>
</table>

**VIBRATIONS**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-150</th>
<th>P93-10151 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-150</td>
<td>P93-10151 06</td>
</tr>
<tr>
<td>NASA ADDS .4 MILLION ON AERONAUTICS RESEARCH PROJECT</td>
<td>P93-10082 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-91</td>
<td>P93-10010 06</td>
</tr>
</tbody>
</table>

**VIBRATION MEASUREMENTS**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-189</th>
<th>P93-10190 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY: BRUNEL’S SUPERSONIC AIRLINER EFFORT</td>
<td>P93-10211 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-221</td>
<td>P93-10093 06</td>
</tr>
</tbody>
</table>

**VIBRATIONS/STRESSES**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-150</th>
<th>P93-10151 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-150</td>
<td>P93-10151 06</td>
</tr>
<tr>
<td>NASA ADDS .4 MILLION ON AERONAUTICS RESEARCH PROJECT</td>
<td>P93-10082 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-91</td>
<td>P93-10010 06</td>
</tr>
</tbody>
</table>

**VIBRATIONS/STRESSES**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-150</th>
<th>P93-10151 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-150</td>
<td>P93-10151 06</td>
</tr>
<tr>
<td>NASA ADDS .4 MILLION ON AERONAUTICS RESEARCH PROJECT</td>
<td>P93-10082 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-91</td>
<td>P93-10010 06</td>
</tr>
</tbody>
</table>

**VIBRATIONS/STRESSES**

<table>
<thead>
<tr>
<th>NASA RELEASE-93-150</th>
<th>P93-10151 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-93-150</td>
<td>P93-10151 06</td>
</tr>
<tr>
<td>NASA ADDS .4 MILLION ON AERONAUTICS RESEARCH PROJECT</td>
<td>P93-10082 06</td>
</tr>
<tr>
<td>NASA RELEASE-93-91</td>
<td>P93-10010 06</td>
</tr>
</tbody>
</table>
SUBJECT INDEX

ARC
S AMES RESEARCH CENTER, MOUNTFIELD, CA.

ARCHAEOLOGY
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10046 06

ARCTIC
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-66] P93-10069 06

ARIZONA NATIONAL LAB., ILL
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

ARIZONA STATE UNIV., TEMPE
MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED
[NASA RELEASE-93-3-1] P93-10001 06

ARIZONA UNIV., TUCSON
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

ARKANSAS
ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER ACCORD
[NASA RELEASE-93-138] P93-10139 06

ARMSTRONG SYSTEMS, INC., PUYALLUP, WA
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

APBA
S ADVANCED RESEARCH PROJECTS AGENCY

ART
TENNA NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

ARTIFICIAL INTELLIGENCE
SA EXPERT SYSTEMS
PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

ASRM
S ADVANCED SOLID ROCKET MOTOR (SHUTTLE/STATION REDESIGN TEAM TO SUBMIT FINAL REPORT)
[NASA RELEASE-93-104] P93-10105 06

ASTEROIDS
EARTH'S ROTATION RATE MAY BE DUE TO EARLY COLLISIONS
[NASA RELEASE-93-12] P93-10013 06
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
HEADING FOR JUPITER, GALILEO TO ENCOUNTER ITS SECOND ASTEROID
[NASA RELEASE-93-149] P93-10150 06
GALEO DETECTS MAGNETIC FIELD AROUND ASTEROID IIA
[NASA RELEASE-93-193] P93-10194 06
NASA BEGINS DEVELOPMENT OF FIRST ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

ASTRO MISIONS
NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06
PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

ASTRO-C SATELLITE
S GINGA SATELLITE

ASTRO-D (JAPANESE SATELLITE)
ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN
[NASA RELEASE-93-28] P93-10029 06

ASTRONAUT PERFORMANCE
SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06

ASTRONAUT SCIENCE ADVISOR/COMPUTER/PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-85-180] P93-10181 06

ASTRONAUT TRAINING
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE'S 60 MISSION
[NASA RELEASE-93-61] P93-10061 06

ASTRONAUTS
AIA LUNCHEN, CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL, VIRGINIA
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN AT THE AEROSPACE INDUSTRY ASSOCIATION (AIA)
LITCHFIELD PARK, ARIZONA

ASTRONOMICAL CATALOGS
COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

ASTRONOMICAL INSTITUTE /RUSSIA/
U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE-93-106] P93-10197 06

ASTRONOMICAL MODELS
NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

ASTRONOMICAL SPECTROSCOPY
NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06
ASTRO-D MISSION LAUNCH TONIGHT IN JAPAN
[NASA RELEASE-93-28] P93-10026 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

ATTLE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10166 06

ATLANTIC OCEAN
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
[NASA RELEASE-93-122] P93-10123 06

ATLANTIS
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

ASTRONOMY
SA GAMMA RAY ASTRONOMY
SA INFRARED ASTRONOMY
SA MICROWAVE ASTRONOMY
SA RADIO ASTRONOMY
SA ULTRAVIOLET ASTRONOMY
SA X-RAY ASTRONOMY
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-61] P93-10007 06
NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGiant STAR
[NASA RELEASE-93-63] P93-10064 06
NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

ASTROPHYSICS
SA SOLAR PHYSICS
ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR
[NASA RELEASE-93-24] P93-10025 06
ASTRO-D MISSION LAUNCH TONIGHT IN JAPAN
[NASA RELEASE-93-20] P93-10020 06
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-89] P93-10100 06
NASA SELCETS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
NASA SELCETS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06
U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE-93-106] P93-10197 06

ATLANTIC OCEAN
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
[NASA RELEASE-93-122] P93-10123 06

ATLANTIS
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

ATLAS MISSIONS
S ATLAS-2 MISSION
S ATLAS-3 MISSION
DEMOGRAPHY

A-12

DATA ACQUISITION AND ANALYSIS

HUBBLE DEEP SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE 93-2031] P93-10204 06

DATA ACQUISITION AND ANALYSIS

SA NATIONAL SPACE SCIENCE DATA CENTER, GSFC

SA TRACKING AND DATA ACQUISITION

NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE 93-56] P93-10057 06

DATA BASES

COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE 93-67] P93-10086 06

TECHNOLOGY TRANSFER CENTER TO WORK WITH SICAO TO AID INDUSTRY
[NASA RELEASE 93-77] P93-10078 06

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE 93-134] P93-10135 06

NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
[NASA RELEASE 93-147] P93-10148 06

DATA LINKS

NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
[NASA RELEASE 93-84] P93-10085 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE 93-227] P93-10228 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE 93-164] P93-10165 06

DATA SYSTEMS

SA AIR DATA SYSTEMS

NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE 93-56] P93-10057 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE 93-164] P93-10165 06

DC-8 AIRCRAFT

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE 93-167] P93-10168 06

DECOMPOSITION

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE 93-223] P93-10224 06

DEEP SPACE NETWORK

THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE 93-48] P93-10049 06

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE 93-106] P93-10107 06

PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
[NASA RELEASE 93-119] P93-10111 06

DEFENSE REINVEST & CONVERSION INITIATIVE

NASA OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE 93-85] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE 93-85] P93-10066 06

DEFENSE, DEPARTMENT OF

S DEPARTMENT OF DEFENSE

DEFORESTATION

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE 93-119] P93-10120 06

DEMONSTRATION

DATA ACQUISITION AND ANALYSIS

DEMOGRAPHY

DEFORMATION

OC-8 AIRCRAFT

DATA SYSTEMS

DATA ACQUISITION AND ANALYSIS

DEMINERALIZATION

S BONE DEMINERALIZATION

DEPARTMENT OF COMMERCE

SA NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE 93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE 93-85] P93-10066 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD
[NASA RELEASE 93-176] P93-10177 06

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE 93-215] P93-10216 06

DEPARTMENT OF DEFENSE

SA ADVANCED RESEARCH PROJECTS AGENCY

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE 93-57] P93-10058 06

NASA OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE 93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE 93-85] P93-10066 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE 93-163] P93-10164 06

DEPARTMENT OF ENERGY

SA ARGONNE NATIONAL LAB., ILL

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE 93-57] P93-10058 06

NASA OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE 93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE 93-85] P93-10066 06

U.S.-RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE 93-196] P93-10197 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE 93-212] P93-10213 06

DEPARTMENT OF INTERIOR

S GEOLOGICAL SURVEY, U.S.

DEPARTMENT OF LABOR

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE 93-215] P93-10216 06

DEPARTMENT OF TRANSPORTATION

S FEDERAL AVIATION ADMINISTRATION

DEBUTS

NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
[NASA RELEASE 93-215] P93-10214 06

DESIGN ANALYSIS

NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
[NASA RELEASE 93-73] P93-10074 06

DESIGN CRITERIA

S AIRCRAFT DESIGN

S SPACECRAFT CONFIGURATIONS

S SPACECRAFT DESIGN

DETECTORS

SA INFRARED DETECTORS

JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS
[NASA RELEASE 93-209] P93-10210 06

DEUTERIUM

EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE 93-51] P93-10052 06

DIAGNOSIS

NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[NASA RELEASE 93-125] P93-10126 06

DIAMONDS

DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE 93-58] P93-10059 06

DIFFERENTIAL MICROWAVE RADIOMETER

CORE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
[NASA RELEASE 93-145] P93-10146 06

NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[NASA RELEASE 93-125] P93-10126 06

DIGITAL CODING

S DATA PROCESSING

DIGITAL DATA

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE 93-134] P93-10135 06

DIGITAL ELECTRONIC ENGINE CONTROL SYSTEM

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE 93-75] P93-10075 06

DIGITIZED PHOTOGRAPHIC PLATES

COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE 93-67] P93-10068 06

DIODES

NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS
[NASA RELEASE 93-200] P93-10201 06

DIRBE

S DIFFUSE INFRARED BACKGROUND EXPERIMENT

DISASTERS

S ENVIRONMENTAL DISASTERS

DISCOVERY

SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE 93-10] P93-10011 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE 93-21] P93-10022 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE 93-34] P93-10035 06

HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE 93-76] P93-10077 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE 93-184] P93-10185 06

DISCOVERY PROGRAM

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE 93-27] P93-10028 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE 93-146] P93-10147 06
EL SALVADOR
N.A.S.A. AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

ENGINE DESIGN
NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10003 06

ENGINE TECHNOLOGY
NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10003 06

ENGINE TESTS
SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06
NASA TESTING NEW, POWERFUL, DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10014 06
NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10003 06

ENGINEERING
S AEROSPACE ENGINEERING

ENGINEERS
NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

ENGINES
S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/
S AIRCRAFT ENGINES
S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES
S THRUSTORS

ENVIRONMENT
S EARTH ENVIRONMENT
S ENVIRONMENTAL DISASTERS
S ENVIRONMENTAL IMPACTS

ENVIRONMENTAL PROTECTION
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10003 06
NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10022 06

ENVIRONMENT DISASTERS
MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06
1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06
NASA RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06
TOPER/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

ENVIRONMENTAL IMPACTS
S AIRBORNE EQUIPMENT
S AIRCRAFT EQUIPMENT
S ELECTRONIC EQUIPMENT
S MEDICAL EQUIPMENT
S PORTABLE EQUIPMENT

ESR S EUROPEAN SPACE AGENCY

ESTEC S EUROPEAN SPACE TECH. CENTRE, NETHERLANDS

EUROCAESA/ ESA/
SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

EUROPEAN RETRIEVABLE CARRIER S EUROCAESA/ESA/

EUROPEAN SPACE AGENCY
SECOND OPALN SPACECRAFT MISSION IS SPACE SHUTTLES 5TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
SCIENTISTS REVEAL NATURE OF EXPLODING RED SUPERGIANT STAR
[NASA RELEASE-93-83] P93-10064 06
INTERNATIONAL MARS EXPLORATION GROUP FORMED
[NASA RELEASE-93-87] P93-10088 06
STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06
HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06
HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06
SATELITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06

ENGINE CONTROL
S DIGITAL ELECTRONIC ENGINE CONTROL SYSTEM
NASA F-15 MAKES FIRST ENGINE CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06
EXOBIOLgy
SA LIFE SCIENCES
SPACE SHUTTLE MISSIONS: STS-54 [NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 5TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10035 06
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH [NASA RELEASE-93-40] P93-10041 06
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] P93-10062 06
FIRST SPACELAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10070 06
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH [NASA RELEASE-93-93] P93-10094 06
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM [NASA RELEASE-93-117] P93-10118 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
HUBBLE TELESCOPE SVCNANCERING MISSION SCHEDULED FOR ELEVEN DAYS [NASA RELEASE-93-76] P93-10077 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH [NASA RELEASE-93-93] P93-10094 06
HUBBLE SERVICING MISSION STUDY COMPLETED [NASA RELEASE-93-96] P93-10097 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING [NASA RELEASE-93-169] P93-10170 06
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61 [NASA RELEASE-93-204] P93-10205 06

FEDERAL AVIATION ADMINISTRATION

EXTREME ULTRAVIOLET EXPLORER
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED [NASA RELEASE-93-105] P93-10106 06
EXTREME UV RADIATION
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED [NASA RELEASE-93-105] P93-10106 06
EXTREME UV TELESCOPE
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED [NASA RELEASE-93-105] P93-10106 06

F-15 AIRCRAFT
NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN [NASA RELEASE-93-75] P93-10076 06
NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT [NASA RELEASE-93-115] P93-10116 06

F-18 AIRCRAFT
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT [NASA RELEASE-93-95] P93-10096 06
NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST [NASA RELEASE-93-199] P93-10200 06

F/A-16 AIRCRAFT
NASA SAVES $1 MILLION ON AERONAUTICS RESEARCH PROJECT [NASA RELEASE-93-35] P93-10206 06

FACILITIES
S ICING RESEARCH TUNNEL/LERC/ S TEST FACILITIES

FAINT OBJECT CAMERA
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS [NASA RELEASE-93-156] P93-10157 06
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992 [NASA RELEASE-93-174] P93-10175 06

FAIRFAX HOSPITAL, VA
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY [NASA RELEASE-93-193] P93-10184 06

FAST AURORAL SNAPSHOT SYSTEMS
NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA [NASA RELEASE-93-213] P93-10214 06

FAR INFRARED ABSOLUTE EPIPHOTOMETER
BIG BAND THEORY PASSES TOUGHEST TEST [NASA RELEASE-93-5] P93-10005 06
COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY [NASA RELEASE-93-145] P93-10146 06
NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS [NASA RELEASE-93-228] P93-10223 06

FASTRONICS
NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD [NASA RELEASE-93-121] P93-10074 06

FEDERAL AVIATION ADMINISTRATION
UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA [NASA RELEASE-93-8] P93-10009 06
NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS [NASA RELEASE-93-127] P93-10128 06
GLOBAL WARMING

NASA scientists create Earth breathing image
[NASA RELEASE-93-221] P93-10224 06

GLOBULAR CLUSTERS
Hubble looks at the heart of a galaxy collision
[NASA RELEASE-93-97] P93-1008 06
Hubble finds evidence of stellar close encounters
[NASA RELEASE-93-109] P93-10110 06
Hubble identifies a source of mysterious X-ray bursts
[NASA RELEASE-93-156] P93-10157 06

GOUDARD INST. FOR SPACE STUDIES, N.Y.
NASA helps provide famine early warning for Africa
[NASA RELEASE-93-213] P93-10214 06

GOUDARD SPACE FLIGHT CTR., GREENBELT, MD.
SA national space science data center, GSFC
MYSTERY CONCENTRATION OF DARK MATTER DISCOVERED
[NASA RELEASE-93-1] P93-10001 06
BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10005 06
1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06
ASTRO-D MISSON TO LAUNCH TONIGHT IN JAPAN
[NASA RELEASE-93-28] P93-10029 06
SUPERNOVA MAY HAVE CAUSED HUDE Void Around Solar System
[NASA RELEASE-93-35] P93-10051 06
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
NASA TDRS NETWORK MARKS 10 YEARS OF OPERATION
[NASA RELEASE-93-60] P93-10061 06
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-68] P93-10067 06
OZONE DESTROYS CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06
NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06
SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06
NASA SELECS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06
CONE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06
CONTROLLERS LOSE CONTACT WITH NOAA-13 SATELITE
[NASA RELEASE-93-151] P93-10152 06
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06

GOUDARD SPACE FLIGHT CTR., GREENBELT, MD.
SA national space science data center, GSFC

GRAVITY
MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06
GREAT LAKES INDUSTRIAL TECHNOLOGY CENTER
S BATTELLE MEMORIAL INST., COLUMBUS, OHI0
GREENHOUSE EFFECT
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
NASA STUDY DEFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06
GRO SPACEBORNE OBSERVATORY
S GAMMA RAY OBSERVATORY
GROUND STATIONS
NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06
GROUND SUPPORT EQUIPMENT
S TRACKING AND DATA ACQUISITION
GROUND SYSTEMS
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06
GRUMMAN AEROSPACE CORP.
SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06
GRUMMAN CORP.
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
GSA
S GENERAL SERVICES ADMINISTRATION
GSFC
S GOUDARD SPACE FLIGHT CTR., GREENBELT, MD

GTE GOVERNMENT SYSTEMS CORP., MASS.
NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
[NASA RELEASE-93-60] P93-10061 06
GUATEMALA
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
GUIDANCE AND CONTROL
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTODOL METHOD
[NASA RELEASE-93-165] P93-10166 06
GUIDANCE AND NAVIGATION SYSTEMS
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTODOL METHOD
[NASA RELEASE-93-165] P93-10166 06
GULF STREAM
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVELS
[NASA RELEASE-93-122] P93-10123 06
GYROSCOPES
HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

H
HAMPTON UNIV., VA
MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06
HANDLING
S MATERIALS HANDLING
HAWAII UNIV.
HUBBLE FINDS A DOUBLE NUCLERUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06
NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992 [NASA RELEASE-93-174] P93-10175 06
FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06
INTERSTELLAR MATTER
SA INTERSTELLAR DUST
SA INTERSTELLAR GAS
NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
[NASA RELEASE-93-35] P93-10026 06
DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06
GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06
INTERSTELLAR SPACE
VOYAGER SPACECRAFT FINDS CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-59] P93-10100 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06
INVENTION OF THE YEAR AWARD
ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR
[NASA RELEASE-93-24] P93-10025 06
INVESTIGATION BOARDS
NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARDS
[NASA RELEASE-93-153] P93-10154 06
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06
MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
[NASA RELEASE-93-159] P93-10190 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06
IO
EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06
IO'S 'GHOST' DETECTED ON JUPITER [NASA RELEASE-93-208] P93-10200 06
ION EXCHANGE MEMBRANES
LEWIS SPACE RESEARCH SPAWS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-861] P93-10087 06
IONIZING RADIATION
SA GAMMA RAY BURSTS
IONOSPHERE
NASA SELECS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
IOWA
NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10125 06
IOWA UNIV., IOWA CITY
PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR SYSTEM
[NASA RELEASE-93-110] P93-10111 06
ISOTOPES
6A DEUTERIUM
JET PROPULSION LAB., PASADENA, CALIF.
GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06
ITALIAN SPACE AGENCY
INTERNATIONAL MARS EXPLORATION GROUP FORMED
[NASA RELEASE-93-97] P93-10088 06
NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06
SUE INTERNATIONAL ULTRAVIOLET EXPLORER/SCIENTISTS REVEAL NATURE OF EXPLORING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
SATELLITE DATA NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06
J
JAPAN
S INSTITUTE FOR SPACE/ASTRONAUTIC SCI., JAPAN
S JAPANESE SPACE AGENCY
JAPANESE SATELLITES
S GINGA SATELLITE
JAPANESE SPACE AGENCY
ASTRO-0 MISSION TO LAUNCH TONIGHT IN JAPAN
[NASA RELEASE-93-28] P93-10029 06
STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06
JET ENGINES
SA DUCTED FAN ENGINES
NASA TESTING NEW, POWERFUL, DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-101] P93-10104 06
JET PROPULSION LAB., PASADENA, CALIF.
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE-93-27] P93-10028 06
NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE
[NASA RELEASE-93-29] P93-10030 06
SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
[NASA RELEASE-93-39] P93-10040 06
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
COMPUTER WORKSHOP WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06
MAGELLAN TO TEST AEROBRAKING MANEUVER IN VENUS ATMOSPHERE
[NASA RELEASE-93-69] P93-10090 06
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10099 06
VOYAGER SPACECRAFT FINDS CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-93] P93-10100 06
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06
NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06
SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06
TOPEX POSEIDON MAPS PRECISE LEVEL
[NASA RELEASE-93-122] P93-10123 06
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06
LEWIS RESEARCH CENTER, CLEVELAND, OHIO

LASER APPLICATIONS
CATARACT SURFACERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
NASA tests new laser air data system on SR-71 Blackbird
[NASA RELEASE-93-163] P93-10164 06
LASER/LIGHT DETECTION AND RANGING
S OPTICAL RADAR
LASERS
CATARACT SURFACERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
LAUNCH DATES
CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06
LAUNCH VEHICLES
S DELTA LAUNCH VEHICLES
S PEGASUS AIR-LAUNCHED BOOSTER
S SHUTTLE DERIVED LAUNCH VEHICLES
LEAR JET AIRCRAFT
NASA LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06
LEARJET INC., WICHITA, KANSAS
NASA LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06
LERC
S LEWIS RESEARCH CENTER, CLEVELAND, OHIO
LEWIS RESEARCH CENTER, CLEVELAND, OHIO
NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
[NASA RELEASE-93-20] P93-10024 06
CATARACT SURFACERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
NASA/Ohio Aerospace Institute to Host CyberSpace Conference
[NASA RELEASE-93-50] P93-10051 06
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06
NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06
LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06
LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
[NASA RELEASE-93-91] P93-10092 06
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-05] P93-10096 06
NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-102] P93-10104 06
UNIQUE CHEMICAL PROCESS COULD IMPROVE CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06
SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06
NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06
NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06
NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06
LIDAR
S OPTICAL RADAR
LIFE SCIENCES
SA AEROSPACE MEDICINE
SA BIOTECHNOLOGY
SA GENETICS AND GROWTH
SA PHYSIOLOGY
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE-93-40] P93-10041 06
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10092 06
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
[NASA RELEASE-93-136] P93-10136 06
NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06
PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06
U.S./RUSSIAN SPACE AGENCY HOOKS SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06
LIGHTER-THAN-AIR VEHICLES
S BALLOONS
LIGHTNING
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06
LINE SPECTRA
NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06
EVIDENCE FOR SODIUM WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06
Gamma-Ray Observatory produces three major discoveries
[NASA RELEASE-93-182] P93-10183 06
LOCKHEED AERONAUTICAL SYSTEMS CO., GEORGIA
NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
LOCKHEED CORP.
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-121] P93-10124 06
LOCKHEED CORP., SUNNYVALE, CALIF.
S LOCKHEED SPACE SYS. DIV., SUNNYVALE, CA.
LOCKHEED MISSILES AND SPACE CO., CALIF.
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY "SUCCESS STORY"
[NASA RELEASE-93-170] P93-10171 06
MAN-MACHINE INTERFACE
LOCKHEED SPACE OPERATIONS, FLA.
KSC BASE OPERATIONS CONTRACT AWARD PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06
LOCKHEED SPACE SYS. DIV.; SUNNYVALE, CA.
NASA LIMITS EXPENDITURES ON THE ASTRONAUT PROGRAM
[NASA RELEASE-93-189] P93-10190 06
LORAL AEROSYS, SEABROOK, MD.
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06
LOS ALAMOS NATIONAL LAB., N. MEX.
ULYSSES REACHES UNEXPLRED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10216 06
LUNAR AND PLANETARY INSTITUTE OF HOUSTON
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
LUNAR EXPLORATION
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
LUNAR LANDING
S LANDING VEHICLES
MAN-MACHINE INTERFACE
MACHINE LEARNING
COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
MACINTOSH PERSONAL COMPUTERS
PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-190] P93-10181 06
MADIC
S MULTIDISCIPL. ANAL. & DESIGN INUSD. CNRS.
MAGELLAN MISSION
MAGELLAN TO TEST AEROBRACING MANEUVER IN VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06
MAGELLAN AEROBRACING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10099 06
MAGELLAN AEROBRACING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06
 MAGNETIC FIELDS
S INTERPLANETARY MAGNETIC FIELDS
S SOLAR MAGNETIC FIELD
MAGNETOMETER
GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06
MAINTENANCE
S AIRCRAFT MAINTENANCE
S CORRECTIVE OPTICS /HUBBLE TELESCOPE/
S SPACE MAINTENANCE
S SPACECRAFT MAINTENANCE
MAN ENVIRONMENT INTERACTIONS
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06
MAN-MACHINE INTERFACE
NASA/Ohio Aerospace Institute to Host CyberSpace Conference
[NASA RELEASE-93-50] P93-10051 06
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
MANNED SPACECRAFT CENTER, HOUSTON, TEX.

MARS ENVIRON. SURVEY/MESUR/PATHFINDER

MARKETING

MARS GEOSCIENCE/CLIMATOLOGY ORBITER

A-24

TO RECEIVE AWARD IN NASA RELEASE-93-2151 P93-10216 06

NASA PROVIDING MIDWEST FLOODED INFORMATION [NASA RELEASE-93-134] P93-10135 06

MARS /PLANE


MARS ATMOSPHERE


MARS ENVIRON. SURVEY /MESUR/PATHFINDER

INTERNATIONAL MARS EXPLORATION GROUP FORMED [NASA RELEASE-93-87] P93-10088 06

MARS SATELLITE

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS [NASA RELEASE-93-157] P93-10158 06

NASA NAMES MARS OBSERVER MISSION [NASA RELEASE-93-146] P93-10147 06

MARS EXPLORATION


MASSACHUSETTS INST. OF TECH.

ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN [NASA RELEASE-93-28] P93-10029 06

SPACE STATION REDesign ADVISORY MEMBERS NAMED [NASA RELEASE-93-59] P93-10060 06

NITROGEN ICE DISCOVERED ON PLUTO [NASA RELEASE-93-142] P93-10143 06

MASSACHUSETTS INST. OF TECH., CAMBRIDGE

PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE [NASA RELEASE-93-180] P93-10181 06

MATERIALS HANDLING

NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY [NASA RELEASE-93-100] P93-10101 06

MATERIALS PROCESSING IN SPACE

S. SPACE PROCESSING

MATERIALS RESEARCH

SA REFRACTORY MATERIALS


NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS [NASA RELEASE-93-124] P93-10125 06

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY [NASA RELEASE-93-211] P93-10212 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT [NASA RELEASE-93-225] P93-10226 06

REMARKS PREPARED FOR DELIVERY: BRUINEL’S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY, NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 06

MATHEMATICAL MODELS

TOPEX PTOSEIDON MAPS PRECISE GLOBAL SEA LEVEL [NASA RELEASE-93-122] P93-10123 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS [NASA RELEASE-93-124] P93-10125 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES [NASA RELEASE-93-198] P93-10199 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS [NASA RELEASE-93-205] P93-10206 06

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE [NASA RELEASE-93-233] P93-10224 06

MAX-PLANCK INSTITUTE, GERMANY

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER [NASA RELEASE-93-146] P93-10147 06

MAX-PLANK INSTITUTE, GERMANY

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES [NASA RELEASE-93-182] P93-10183 06

MAYA CIVILIZATION

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES [NASA RELEASE-93-47] P93-10048 06

MAYO CLINIC, ROCHESTER, M N H.

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS [NASA RELEASE-93-181] P93-10182 06

MCDONNELL AIRCRAFT CORP.

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED [NASA RELEASE-93-148] P93-10142 06

NASA NAMES IMAGING INVESTIGATOR FOR MARS PATHFINDER [NASA RELEASE-93-62] P93-10063 06

MARSHALL SPACE FLIGHT CENTER, ALA.


NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS [NASA RELEASE-93-72] P93-10073 06

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH [NASA RELEASE-93-88] P93-10089 06

HUBBLE SERVICING MISSION STUDY COMPLETED [NASA RELEASE-93-96] P93-10097 06

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER ACCORD [NASA RELEASE-93-138] P93-10139 06

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR [NASA RELEASE-93-141] P93-10142 06

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED [NASA RELEASE-93-148] P93-10149 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE [NASA RELEASE-93-181] P93-10186 06

MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED [NASA RELEASE-93-177] P93-10178 06

NASA LIMITS EXPENDITURES ON THE ASM PROGRAM [NASA RELEASE-93-199] P93-10190 06

NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY [NASA RELEASE-93-211] P93-10212 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES [NASA RELEASE-93-212] P93-10213 06

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK [NASA RELEASE-93-215] P93-10216 06

MARTIN MARIETTA ASTRO SPACE, NJ

CONTROLLERS LOSE CONTACT WITH NOAA-13 SATELLITE [NASA RELEASE-93-151] P93-10152 06

MARYLAND UNIV.

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE [NASA RELEASE-93-84] P93-10085 06

PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR SYSTEMS [NASA RELEASE-93-110] P93-10111 06

NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA [NASA RELEASE-93-213] P93-10214 06

ULYSES REACHES UNEXPLORED REGIONS OF SUN [NASA RELEASE-93-217] P93-10218 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT [NASA RELEASE-93-255] P93-10226 06

MARYLAND UNIV., COLLEGE PARK

MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED [NASA RELEASE-93-1] P93-10001 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS [NASA RELEASE-93-152] P93-10153 06

MASSACHUSETTS INST. OF TECH.

SUBJECT INDEX
NAVIGATION SATELLITE SYSTEM

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NAVIGATION SATELLITES
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NAVY, U.S.
MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

NEAR EARTH ASTEROID RENDEZVOUS /NEAR/
NASA BEGINS DEVELOPMENT OF FIRST ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

NEBRASKA
NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

NEBULAE
GMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NESS
S NATIONAL ENVIRONMENTAL SATELLITE SERVICE

NEUTRAL BUOYANCY SIMULATOR
HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

NEUTRON STARS
NASA SATELLITE DATA SUGGESTS NO GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

NEW ENGLAND
S NEW HAMPSHIRE

NEW HAMPSHIRE
NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

NEW HAMPSHIRE TECHNICAL COLLEGE, NASHUA
NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

NEW HAMPSHIRE UNIV., DURHAM
NASA STUDY REFINES ESTIMATES OF AMAZON OZONE DEPLETION
[NASA RELEASE-93-119] P93-10120 06

GMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NEW MEXICO SPACE GRANT CONSORTIUM
NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

NEW MEXICO STATE UNIV.
NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

NEW SPectRAL IMAGING PROCESSING SYSTEM
SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NEW YORK STATE UNIV., STONY BROOK
CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

NEW YORK TIMES
NASA INTERVIEW WITH BILL BROAD, NEW YORK TIMES SCIENCE WRITER
P93-10241 05

NEW YORK TIMES INTERVIEW
P93-10242 05

NEWS MEDIA
S NEW YORK TIMES
OFFICE OF ADVANCED CONCEPTS AND TECHNOLOGY
GOLDSMITH CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY [NASA RELEASE-93-9] P93-10010 06
CONSORTIUM LAUNCH DATE SET [NASA RELEASE-93-22] P93-10023 06
NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS [NASA RELEASE-93-32] P93-10004 06
NASA FUNDS EXPERIMENT TO HELP COMMERCIALIZE TECHNOLOGY [NASA RELEASE-93-37] P93-10038 06
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT [NASA RELEASE-93-65] P93-10066 06
NASA TO COMMERCIALIZATION REMOTE-CONTROL TECHNOLOGY [NASA RELEASE-93-100] P93-10101 06
ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD [NASA RELEASE-92-176] P93-10177 06
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS [NASA RELEASE-95-178] P93-10179 06
DIRECTOR OF AMES TECHNOLOGY COMMERCIALIZATION CENTER NAMED [NASA RELEASE-93-185] P93-10186 06
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-196] P93-10187 06
NASA SELECTS PHASE II SMALL BUSINESS PROJECTS [NASA RELEASE-93-219] P93-10200 06
NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT [NASA RELEASE-93-225] P93-10226 06
OFFICE OF AERONAUTICS AND SPACE TECHNOLOGY NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW [NASA RELEASE-93-92] P93-10230 06
OFFICE OF AERONAUTICS, NASA ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-327] P93-10228 06
OFFICE OF EDUC. PROGRAMS AND SERV., NASA NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED [NASA RELEASE-93-158] P93-10159 06
OFFICE OF EQUAL OPPORTUNITY PROGRAMS NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY [NASA RELEASE-93-187] P93-10198 06
OFFICE OF EXPLOSION, NASA EXPLOSION EXPLOSION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE [NASA RELEASE-93-54] P93-10055 06
OFFICE OF LEGISLATIVE AFFAIRS JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA [NASA RELEASE-93-70] P93-10071 06
OFFICE OF LIFE & MICROGRAVITY SCI. & APPL. ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06
OFFICE OF MISSION TO PLANET EARTH, NASA ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES [NASA RELEASE-93-47] P93-10048 06
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER [NASA RELEASE-93-68] P93-10069 06
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR [NASA RELEASE-93-74] P93-10075 06
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL [NASA RELEASE-93-122] P93-10123 06
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE [NASA RELEASE-93-154] P93-10155 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE [NASA RELEASE-93-223] P93-10224 06
OFFICE OF PLANETARY PROGRAMS, NASA FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY [NASA RELEASE-93-187] P93-10188 06
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE (NASA RELEASE-93-184) P93-10165 06
GOLDSMITH ANNOUNCES KEY SPACE STATION MANAGEMENT MOVES TO TRANSPORTATION [NASA RELEASE-93-191] P93-10182 06
YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK [NASA RELEASE-93-215] P93-10216 06
1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR [NASA RELEASE-93-17] P93-10014 06
NASA SELECTIONS FOR 11 DISCOVERY MISSION CONCEPTS FOR STUDY [NASA RELEASE-93-27] P93-10028 06
ASTRODAG MISSION TO LAUNCH TONIGHT IN JAPAN [NASA RELEASE-93-28] P93-10029 06
SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT [NASA RELEASE-93-91] P93-10040 06
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH [NASA RELEASE-93-40] P93-10041 06
EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE [NASA RELEASE-93-54] P93-10055 06
NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS [NASA RELEASE-93-72] P93-10073 06
MAGELLAN TO TEST AEROBRAKING MANEUVER IN VENUS ATMOSPHERE [NASA RELEASE-93-89] P93-10090 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER PROGRAM [NASA RELEASE-93-40] P93-10041 06
NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS [NASA RELEASE-93-10] P93-10107 06
EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO [NASA RELEASE-93-107] P93-10108 06
NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS [NASA RELEASE-93-123] P93-10124 06
POLYCYCLIC AROMATIC HYDROCARBONS
NASA SCIENTISTS SOLVE LONG-LASTING STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06
PORTABLE EQUIPMENT CATARACT SURGERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-160] P93-10181 06
POSITION ELECTRON MAGNETIC SPECTROMETER NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06
POWER S SOLAR POWER
S SPACE POWER
S SPACECRAFT POWER SUPPLIES
PRESSURE SUIT S SPACE SUITS
PRIVATE SECTOR COOPERATION SA INDUSTRIAL COOPERATION
NASA, STATE OF FLORIDA, SIGN TECHNOLOGY TRANSFER ACCORD
[NASA RELEASE-93-115] P93-10166 06
PROBES S GALILEO PROJECT
PROCUREMENT S CONTRACTING AND PROCUREMENT
PROGRAM MANAGEMENT GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-98] P93-10099 06
PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-103] P93-10104 06
EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06
NASA AWARDS CONTRACT FOR EIDSIS CORE SYSTEM MANAGEMENT MOVES
[NASA RELEASE-93-56] P93-10057 07
GOLDIN ANNOUNCES KEY SPACE STATION PROJECT MANAGEMENT
[NASA RELEASE-93-56] P93-10192 05
NASA AWARDS CONTRACT FOR EIDSIS CORE SYSTEM
GOLDIN ANNOUNCES KEY SPACE STATION PROJECT MANAGEMENT
[NASA RELEASE-93-56] P93-10057 07
NASA AWARDS CONTRACT FOR EIDSIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10192 05
NASA AWARDS CONTRACT FOR EIDSIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 07
PROJECT PLANNING PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06
PROPELLANT SA SPACECRAFT PROPULSION
NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-25] P93-10226 06
PROTEIN CRYSTALS CATARACT SURGERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06
PROTEINS NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06
PUBLIC AFFAIRS VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06
PUBLIC HEALTH NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06
PUBLIC RELATIONS NASA TO FEATURE VIDEWALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06
NASA OSHIKOSH EXHIBIT HIGHLIGHTS U.S. LEADERSHIP IN AERONAUTICS
[NASA RELEASE-93-128] P93-10129 06
PUBLICATIONS S MEASUREMENT TECHNOLOGY
S NEW YORK TIMES
S TESTING METHODS AND TECHNIQUES
PULSARS COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06
QUALITY EDUCATION FOR MINORITY NETWORK MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06
QUASARS HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06
SATellite DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06
Radar SA DOPPLER RADAR SYSTEM
SA MICROWAVE RADAR
SA OPTICAL RADAR
SA TERMINAL RADAR APPROACH CONTROL
TRACON
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
Radar Imagery STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06
Radar Mapping MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10099 06
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
Radiation S EXTREME UV RADIATION
S GALACTIC RADIATION
S GAMMA RAY BURSTS
S INFRARED RADIATION
S SOLAR RADIATION
S SPACE RADIATION
S STELLAR RADIATION
S ULTRAVIOLET RADIATION
S X-RAYS
Radiation Belts SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06
Radiation Effects STS-55 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
SPACE TRANSPORTATION SYSTEM FLIGHTS

SPACE TRANSPORTATION SYSTEM

SPACE SUITS

SPACE STRUCTURES

SPACE SURVEY

SPACE TELESCOPE

SPACE TRANSPORTATION SYSTEM

SPACEWALKS

SPACEWALKS: THE LARRY KING SHOW

ADDRESS TO THE AIAA

ADDRESS TO THE AIAA

NEW YORK TIMES INTERVIEW

INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION, ACR HEADQUARTERS, WASHINGTON, DC

ADVISORY BOARD

ADVISORY BOARD

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130

NASA RELEASE-93-130
SUBJECT INDEX

NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM: [NASA RELEASE-93-189] P93-10190 06
NASA RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES: [NASA RELEASE-93-196] P93-10199 06
TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS: [NASA RELEASE-93-205] P93-10206 06

STEP
S. STRATEGIC TECHNOLOG EVOLUTION PROGRAM

STEREOGRAPHY
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MIR PATHFINDER MISSION: [NASA RELEASE-93-146] P93-10017 06

STERLING FEDERAL SYSTEMS, INC.
METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH: [NASA RELEASE-93-93] P93-10094 06

STORMS
S. THUNDERSTORMS

STRAIN GAGES
NASA INVENTION YIELDS BETTER, FASTER STRESS
MEASUREMENTS: [NASA RELEASE-93-2] P93-10002 06

STRATEGIC DEFENSE INITIATIVE PROGRAM
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-68] P93-10067 06
TECHNOLOGY TRANSFER CENTER TO WORK WITH
SODI TO INDUSTRY: [NASA RELEASE-93-77] P93-10078 06

STRATEGIC PLANNING COUNCIL, NASA
FINARELLI APPOINTED HEAD OF STRATEGIC
PLANNING: [NASA RELEASE-93-132] P93-10133 06

STRATEGIC TECHNOLOG EVOLUTION PROGRAM
STEP/LEWIS, CASE, BATTTELLE TO COMMERCIALIZ NASA
INVENTIONS: [NASA RELEASE-93-91] P93-10092 06

STRATOSPHERE
OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER: [NASA RELEASE-93-68] P93-10069 06

STRESS MEASUREMENT
NASA INVENTION YIELDS BETTER, FASTER STRESS
MEASUREMENTS: [NASA RELEASE-93-2] P93-10002 06

STS-50
PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS: [NASA RELEASE-93-166] P93-10167 06

STS-51
SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT: [NASA RELEASE-93-21] P93-10022 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM: [NASA RELEASE-93-184] P93-10185 06

STS-54
FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES: [NASA RELEASE-93-4] P93-10004 06
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SPACE STATION PRECURSOR WORK CONTINUES ON
SHUTTLE IN 1993: [NASA RELEASE-93-10] P93-10011 06

STS-55
SPACE STATION PRECURSOR WORK CONTINUES ON
SHUTTLE IN 1993: [NASA RELEASE-93-10] P93-10011 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 8TH FLIGHT: [NASA RELEASE-93-20] P93-10021 06

STS-56
SPACE STATION PRECURSOR WORK CONTINUES ON
SHUTTLE IN 1993: [NASA RELEASE-93-10] P93-10011 06

STS-58 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH: [NASA RELEASE-93-34] P93-10035 06
SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER: [NASA RELEASE-93-118] P93-10119 06

STS-57
SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT: [NASA RELEASE-93-31] P93-10032 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION: [NASA RELEASE-93-78] P93-10079 06
PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARDS NEW DRUGS: [NASA RELEASE-93-166] P93-10167 06

STS-59
STS-58 second space lab mission dedicated to
LIFE SCIENCES: [NASA RELEASE-93-173] P93-10174 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST: [NASA RELEASE-93-173] P93-10174 06

STS-60
STS-62 and STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED: [NASA RELEASE-93-42] P93-10043 06

STS-61
PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE-60 MISSION: [NASA RELEASE-93-51] P93-10092 06
NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS: [NASA RELEASE-93-222] P93-10223 06

STS-62
HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS:
[NASA RELEASE-93-76] P93-10077 06
HUBBLE SERVICING MISSION STUDY COMPLETED:
[NASA RELEASE-93-96] P93-10097 06
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS MISSION STS-61:
[NASA RELEASE-93-204] P93-10105 06
HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS: [NASA RELEASE-93-226] P93-10122 06

STS-63
STS-62 and STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED: [NASA RELEASE-93-42] P93-10043 06

STS-65
CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT: [NASA RELEASE-93-161] P93-10162 06
NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS: [NASA RELEASE-93-222] P93-10223 06

STS-66
PAYLOAD COMMANDER ANNOUNCED FOR
FUTURE SHUTTLE MISSIONS: [NASA RELEASE-93-140] P93-10141 06

STS-67
PAYLOAD COMMANDER ANNOUNCED FOR
FUTURE SHUTTLE MISSIONS: [NASA RELEASE-93-140] P93-10141 06

STS-68
PAYLOAD COMMANDERS ANNOUNCED FOR
FUTURE SHUTTLE MISSIONS: [NASA RELEASE-93-140] P93-10141 06

STS-69
PAYLOAD COMMANDERS ANNOUNCED FOR
FUTURE SHUTTLE MISSIONS: [NASA RELEASE-93-140] P93-10141 06

STUDENT INVOVEMENT PROJECT
TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON: [NASA RELEASE-93-175] P93-10178 06

SUBCONTRACTS
MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED: [NASA RELEASE-93-177] P93-10178 06
CATARACT SURGERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10045 06
Nasa leaRnit jo create new business jet technologies
[NASA RELEASE-93-46] P93-10047 06
NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06
SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-69] P93-10070 06
Nasa Engineer receives technology transfer award
[NASA RELEASE-93-73] P93-10074 06
Technology transfer center to work with SDIO to aid industry
[NASA RELEASE-93-77] P93-10079 06
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06
LEWIS, CASE, BATTLETO COMMERCIALIZE NASA INVENTIONS
[NASA RELEASE-93-91] P93-10092 06
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06
NASA AND NIDCO SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06
NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06
NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06
ARKANSAS, NASA Sign technology transfer agreement
[NASA RELEASE-93-138] P93-10139 06
NASA, State of Florida, sign technology transfer accord
[NASA RELEASE-93-143] P93-10144 06
NASA, State of Florida, sign technology transfer accord
[NASA RELEASE-93-150] P93-10156 06
ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06
DIRECTOR OF AMES TECHNOLOGY COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06
NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06
TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06
NASA ANNOUNCES ADDITIONAL 1993 SMALL BUSINESS SELECTIONS
[NASA RELEASE-93-216] P93-10217 06
TECHNOLOGY UTILIZATION FOUNDATION, N.Y.
TECHNOLOGY UTILIZATION PROGRAM
LEWIS, SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-31] P93-10067 06
UNIQUE CHEMICAL PROCESS COULD IMPROVE CERAMIC MATERIALS
[NASA RELEASE-93-34] P93-10144 06
TECNICS
NASA RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06
TELECONFERENCE
NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06
TELEMEDICAL SYSTEMS
NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-89] P93-10070 06
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
[NASA RELEASE-93-163] P93-10184 06
TELEPRESENCE
NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06
NASA Ames to drive Russian robot via satellite
[NASA RELEASE-93-94] P93-10085 06
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-151] P93-10179 06
TELEBROTIC SYSTEMS
NASA Ames to drive Russian robot via satellite
[NASA RELEASE-93-84] P93-10085 06
TELEVISION CAMERAS

TELEVISION

TEXAS UNIV.

TEXAS SOUTHERN UNIV., HOUSTON

TEXAS MEDICAL

TESTS

TESTING

TERMINAL RADAR APPROACH CONTROL/TRACON/

TERMINAL AREA PRODUCTIVITY PROGRAM

TEST FACILITIES

TELECOMMUNICATIONS

TELECOMMUNICATIONS IN SPACE

TELECOMMUNICATIONS TELEVISION TELECOMMUNICATIONS TO COMMERCIALIZE

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TERMINAL AREA PRODUCTIVITY PROGRAM

TELECOMMUNICATIONS TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TELETEST SYSTEMS

TELECOMMUNICATIONS TERMINAL AREA PRODUCTIVITY PROGRAM

TELECOMMUNICATIONS TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY

TELECOMMUNICATIONS TECHNOLOGY
ULTRAVIOLET ASTRONOMY
ULTRASONICS
U.S. SPACE FOUNDATION
TURBULENCE
TURBOFAN
TURBINE ENGINES
TRW, INC.
TRW
TROPICAL REGIONS
TRITON
TRANSPORTATION
TRANSPONDERS
TRANSPORTATION
S CIVIL AVIATION
S COMMERCIAL AVIATION
S RAIL TRANSPORTATION
TRITON
NITROGEN ICE DISCOVERED ON PLUTO
[T]NASA RELEASE-93-142[PH3-10143 06
TROPICAL REGIONS
S AMAZON BASIN, BRAZIL
S RAINFORESTS
TROY
S REMOTELY OPERATED VEHICLES
TRW SPACE & ELECTRONICS GROUP, CALIF.
NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
[T]NASA RELEASE-93-60[PH3-10061 06
TRW, INC.
PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
[T]NASA RELEASE-93-110[PH3-10111 06
TUMORS
NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[T]NASA RELEASE-93-125[PH3-10126 06
TURBINE ENGINES
S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES
TURBOFAN ENGINE
S F404 ENGINE
TURBULENCE
NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[T]NASA RELEASE-93-221[PH3-10222 06
TURBULENCE PREDICTION SYSTEMS, BOULDER, CO
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY "SUCCESS STORY"[PH3-10171 06

U.S. INTERNATIONAL DEVELOPMENT AGENCY
NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
[T]NASA RELEASE-93-213[PH3-10214 06
U.S. SPACE FOUNDATION
S UNITED STATES SPACE FOUNDATION
ULTRASONICS
NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[T]NASA RELEASE-93-125[PH3-10126 06
ULTRAVIOLET ASTRONOMY
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[T]NASA RELEASE-93-63[PH3-10064 06
NASA SR-71 NOW A FLYING OBSERVATORY
[T]NASA RELEASE-93-71[PH3-10072 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[T]NASA RELEASE-93-105[PH3-10106 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[T]NASA RELEASE-93-129[PH3-10130 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[T]NASA RELEASE-93-156[PH3-10157 06
ULTRAVIOLET RADIATION
SA EXTREME UV RADIATION EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[T]NASA RELEASE-93-51[PH3-10052 06
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[T]NASA RELEASE-93-63[PH3-10064 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[T]NASA RELEASE-93-167[PH3-10168 06
ULTRAVIOLET SPECTROMETER
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[T]NASA RELEASE-93-121[PH3-10122 06
ULYSSES MISSION
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[T]NASA RELEASE-93-48[PH3-10049 06
ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[T]NASA RELEASE-93-217[PH3-10218 06
UNCONSCIOUSNESS
BLACKOUT (PHYSIOLOGY)
UNDERWATER TESTS
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[T]NASA RELEASE-93-44[PH3-10045 06
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
[T]NASA RELEASE-93-183[PH3-10184 06
UNITED AIR LINES, INC.
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
[T]NASA RELEASE-93-194[PH3-10195 06
UNITED STATES SPACE FOUNDATION
NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[T]NASA RELEASE-93-69[PH3-10070 06
UNIFIED TECHNOLOGIES CORP. INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[T]NASA RELEASE-93-90[PH3-10091 06
MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[T]NASA RELEASE-93-177[PH3-10178 06
UNITED TECHNOLOGIES CORP., CONN.
NASA TESTING NEW, POWERED DUCTED FANS ENGINE FOR CIVIL JETS
[T]NASA RELEASE-93-103[PH3-10104 06
UNIVERSAL ENGINEERING
NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS
[T]NASA RELEASE-93-228[PH3-10229 06
UNIVERSITIES
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[T]NASA RELEASE-93-27[PH3-10028 06
UNIVERSITIES SPACE RESEARCH ASSOC.
SUPERNova MAY HAVE CAUSED HUGE VOLUME IN UPPER ATMOSPHERE
[T]NASA RELEASE-93-36[PH3-10037 06
UNIVERSITIES SPACE RESEARCH ASSOC., MD.
NASA SATELLITE DATA SHAKE THEORIES OF VARIABLE STARS
[T]NASA RELEASE-93-72[PH3-10073 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[T]NASA RELEASE-93-167[PH3-10168 06
NASA UNVEILS NEW DUTCH DUCTED FANS ENGINE FOR CIVIL JETS
[T]NASA RELEASE-93-103[PH3-10104 06
UNIVERSITY PROGRAMS
NASA NATIONAL SPACE GRANT COLLABORATIVE PROGRAMS

VACCINES
NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[T]NASA RELEASE-93-88[PH3-10089 06
VARIABLE STARS
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[T]NASA RELEASE-93-108[PH3-10109 06
Vegetation
NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
[T]NASA RELEASE-93-213[PH3-10214 06
Vehicles
S LANDING VEHICLES
S ROVING VEHICLES
VENUS/PLANET:
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[T]NASA RELEASE-93-51[PH3-10052 06
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[T]NASA RELEASE-93-98[PH3-10099 06

SUBJECT INDEX

A-44
VENUS EXPLORATION
S MAGELLAN MISSION

VENUS RADAR MAPPER
S MAGELLAN MISSION

VENUS SURFACE
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10009 06
MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

VENUS EXPLORATION
S MAGELLAN MISSION

VIBRATION TESTS

VESTIBULAR SYSTEM

VENUS RADAR MAPPER
S MAGELLAN MISSION

VOLCANOLOGY
MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10009 06
EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06
NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

VORTICES
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

WAKE VORTEX
S VORTICES

WAKES
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

WALLOPS FLIGHT FACILITY, VA.
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06
NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

WARNSYSTEMS
SA FAMINE EARLY WARNING SYSTEMS
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

WASTE WATER
LEWIS SPACE RESEARCH SPAWS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

WATER
SA WASTE WATER
SA WATER RESOURCES
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-41] P93-10052 06
EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06
WATER RESOURCES
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
WATER SPLITTING
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
WATER TREATMENT
LEWIS SPACE RESEARCH SPAWS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

WAVE SWELL

WEATHER DATA
COCKPII TEST IN THEATRICAL MACHINES MAY SAVE AIRLINES $6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
WEATHER FORECASTING
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06
WEIGHT REDUCTION
NASA, LEAFJIT TO JOIN NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

WEST VIRGINIA HIGH TECH CONSORTIUM
WEST VIRGINIA HIGH TECH CONSORTIUM: THE UNIVERSITY OF WEST VIRGINIA P93-10247 05

WESTINGHOUSE, INC.
KSC BASE OPERATIONS CONTRACT AWARD
[NASA RELEASE-93-18] P93-10109 06
WESTINGHOUSE, INC., BALTIMORE, MD.
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

WHEELED COLL., WV
NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06
WHITE DWARF STARS
NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06
MYSTERY OF 'FASTEST FLICKERING' GALAXY SOLVED
[NASA RELEASE-93-192] P93-10193 06
WHITE SANDS MISSILE RANGE, N. MEX.
CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06
WHITE SANDS TEST FACILITY, N. MEX.
SPACE STATION FREEDOM PROPELLANT FIRING TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06
WIDE FIELD CAMERAS
SA WIDE FIELD/PLANETARY CAMERA 2
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06
WIDE FIELD/PLANETARY CAMERA 2
HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING
[NASA RELEASE-93-199] P93-10170 06
WIDE-FIELD INFRARED EXPLORER
NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10165 06
WILCOX ELECTRIC CO., INC., KANSAS CITY, MO
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06
WIND /METEOROLOGY/
UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06
Typical Personal Names

Index Listing

The title of the news release or speech appears under every name mentioned in each, whether or not the individual was an author or a speaker. In the case of a speech where the name refers to the actual speaker, this is indicated with a + to the left of the title. The accession number is located at the bottom right of the entry, followed by a two-digit number (05 or 06) identifying the index section where the complete citation appears. In the case of a news release, this number is included at the bottom left of the entry.

A

ABBAK, THOMAS D.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61

[A NASA RELEASE-93-204] P93-10205 06

ACKER, THOMAS S.

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED

[A NASA RELEASE-93-158] P93-10159 06

AKERS, THOMAS D.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61

[A NASA RELEASE-93-204] P93-10205 06

ALBRITON, DAN

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE

[A NASA RELEASE-93-161] P93-10161 06

ALBREY, CLARENCE P.

FIRST SPACECRAFT TO SERVICE HUBBLE SPACE TELESCOPE SELECTED

[A NASA RELEASE-93-126] P93-10126 06

ALADIN, THOMAS S.

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS

[A NASA RELEASE-93-186] P93-10186 06

ALBAY, ISMAIL

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS

[A NASA RELEASE-93-186] P93-10186 06

ALBEE, ARDEN

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE

[A NASA RELEASE-93-161] P93-10161 06

ALLAN, ANDREW M.

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES

[A NASA RELEASE-93-156] P93-10156 06

ALLENSON, GARY B.

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS

[A NASA RELEASE-93-186] P93-10186 06

ALLAN, GARY B.

NATIONAL SPACE TECHNOLOGY REDESIGN ADVISORY GROUP ANNOUNCED

[A NASA RELEASE-93-126] P93-10126 06

AMRINE, DAVID E.

NATIONAL STUDENT WINNERS HONORED IN WASHINGTON

[A NASA RELEASE-93-175] P93-10175 06

ANDERSEN, DALE

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS

[A NASA RELEASE-93-178] P93-10178 06

ANDERSON, DAVID

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION

[A NASA RELEASE-93-121] P93-10121 06

ANDERSON, MARK

FIRST SPACECRAFT TO SERVICE HUBBLE SPACE TELESCOPE SELECTED

[A NASA RELEASE-93-126] P93-10126 06

ANDERSON, MALCOLM PETERSON

NASA HEADQUARTERS BUILDING, WASHINGTON, DC

[A NASA RELEASE-93-10136] P93-10136 06

APRIL 1994

B-1
ASMAR, SAMI W.

ASMAR, SAMI W.
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE 93-48] P93-10049 06

AUDEMORTE, THOMAS
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANT
[NASA RELEASE 93-102] P93-10103 06

AUGUSTINE, NORMAN
NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
[NASA RELEASE 93-92] P93-10093 06

AULT, LEONARD
GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
[NASA RELEASE 93-9] P93-10010 06

AUSTIN, ANDREW
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE 93-121] P93-10122 06

AYERS, T. G.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE 93-4A] P93-10005 06

BAIE, JOAN
NEW YORK TIMES INTERVIEW
P93-10242 05

BADIO, JAMES P.
ASTRONAUT BADIO TAKES LEAVE OF ABSENCE
[NASA RELEASE 93-139] P93-10140 06

BAILEY, F. RON
FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
[NASA RELEASE 93-80] P93-10081 06

BAILEY, SHEILA
NASA/ohio aeroSpace INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE 93-50] P93-10051 06

BAIRD, CHERYL L.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE 93-117] P93-10118 06

BAIRD, RANDY
NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, Washington, DC
P93-10233 05

BAKER, DANIEL
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE 93-66] P93-10067 06

Baldwin, kenneth M.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE 93-4A] P93-10005 06

Bridgeman, CHRISTOPHER
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE 93-43] P93-10006 06

Bartel, JOHN
INVESTIGATION BOARD ANNOUNCES SPACE SHUTTLE MISSION
[NASA RELEASE 93-317] P93-10158 06

Barlow, ANDRE
UTOPIA REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE 93-217] P93-10218 06

Baltz, MIRIAM
RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE 93-199] P93-10199 06

Banks, Bruce
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE 93-186] P93-10187 06

Bar-Ness, Y.
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE 93-121] P93-10122 06

Barch, Don
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE 93-178] P93-10179 06

Baron, richard
IQ'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE 93-206] P93-10209 06

Barrett, richard T.
NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
[NASA RELEASE 93-73] P93-10074 06

Barry, Edward P., Jr.
ST-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE 93-34] P93-10035 06

Barry, James
ANALYTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE 93-178] P93-10179 06

Barthelme, neal
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Bartolomew, M. J.
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE 93-142] P93-10143 06

Bates, MATT
INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION, ACR HEADQUARTERS, Washington, DC
P93-10245 05

Baugher, charles
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Beach, H. Lee
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE 93-52] P93-10053 06

Beck, Jurgen
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE 93-20] P93-10021 06

Beckman, John
NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE 93-157] P93-10158 06

Begelman, Mitchell C.
MYSTERY OF 'FASTEST FLICKETING' GALAXY SOLVED
[NASA RELEASE 93-192] P93-10192 06

Bejjczy, Antal
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE 93-100] P93-10101 06

Belton, Michael
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE 93-27] P93-10029 06

Bement, Lawrence J.
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE 93-184] P93-10185 06

Benjamin, Steve
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE 93-186] P93-10187 06

Benison, Robert
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE 93-4A] P93-10005 06

Benz, Michael D.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE 93-186] P93-10187 06

Bergman, L. A.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE 93-186] P93-10187 06

Bertotti, Bruno
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE 93-48] P93-10049 06

Bessette, Denis
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE 93-95] P93-10096 06

Bessinger, sellus
TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE 93-175] P93-10176 06

Betterm, Thomas C.
MARKS OBSERVER INVESTIGATION BOARD NAMED
[NASA RELEASE 93-159] P93-10160 06

Bilby, charles
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Billow, dan
NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, Washington, DC
P93-10233 06

Blaha, John E.
ST-56 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
P93-10106 06

Blair, Alan F.
ST-56 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
P93-10106 06

Blank, dan
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Blanchard, R. C.
ST-56 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
P93-10106 06

Blanford, kenneth
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Bluford, guion S., JR.
ASTRONAUT BLUFORD LEAVES NASA
[NASA RELEASE 93-113] P93-10114 06

Blumenthal, Charles
HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE 93-226] P93-10227 06

Borg, Michael
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE 93-40] P93-10041 06

Bromley, guion S., JR.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE 93-78] P93-10079 06

Bohn-Meyer, Marta
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE 93-61] P93-10062 06

Bond, thomas H.
NASA TESTS HELICOPTER MODEL IN TUNING CONDITIONS
[NASA RELEASE 93-147] P93-10148 06

Borne, kirk
HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
[NASA RELEASE 93-97] P93-10098 06

Bowersox, kenneth D.
FIVE SPACECRAFT TO WORK HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE 93-254] P93-10205 06

PERSONAL NAMES INDEX
COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE SHUTTLE MILESTONES [NASA RELEASE-93-79] P93-10080 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10120 06
NASA, STATE OF FLORIDA, SIGN TECHNOLOGY TRANSFER ACCORD [NASA RELEASE-93-155] P93-10156 06
NASA PRESS CONFERENCE SPACE STATION REDESIGN, NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05
CROMMELYNCK, D. STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10035 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
COURNIAU, COLLEEN NASA OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT [NASA RELEASE-93-65] P93-10066 06
COYNE, RICHARD O. FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61 [NASA RELEASE-93-204] P93-10205 06
COWEN, SCOTT LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS [NASA RELEASE-93-91] P93-10082 06
COX, DANIELLE M. STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM [NASA RELEASE-93-117] P93-10118 06
COX, JOHN SPACE STATION ORGANIZATION CHANGES ANNOUNCED [NASA RELEASE-93-136] P93-10137 06
CRAFT, HARRY G. JR. SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06
CRAFT, HARRY G., JR. SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10005 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
CRANE, ROBERT E. ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
CRAWLEY, EDWARD F. SPACE STATION REDESIGN ADVISORY MEMBERS NAMED [NASA RELEASE-93-59] P93-10060 06
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06
CREEDEN, JEREMIAH GAIN RIVALS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY [NASA RELEASE-93-9] P93-10010 06
CRIPKEN, ROBERT LAUREL SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10005 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
CROSSFIELD, ALBERT SCOTT CROSSFIELD AWARDED NASA Distinguished Public Service Medal [NASA RELEASE-93-16] P93-10017 06
CROWE, MARK NASA PRESS CONFERENCE SPACE STATION REDESIGN, NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05
CRUIKSHANK, DALE EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO [NASA RELEASE-93-107] P93-10108 06
NITROGEN ICE DISCOVERED ON PLUTO [NASA RELEASE-93-142] P93-10143 06
CUMBERLANCE, ALAN ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
CUMMINGS, ALAN SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH [NASA RELEASE-93-94] P93-10095 06
CUMMINGS, JAY SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH [NASA RELEASE-93-94] P93-10095 06
DALEY, JOHNN R. ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06
FINARILLI APPOINTED HEAD OF STRATEGIC PLANNING [NASA RELEASE-93-132] P93-10133 06
NASA BUDGET BRIEFING, NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05
DALLMAN, MARY F. NASA STUDY MAY HELP REDUCE LIGHTHEADEDNESS AFTER SPACE FLIGHT [NASA RELEASE-93-30] P93-10031 06
DALLMAN, JOHN NASA/Ohio AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE [NASA RELEASE-93-50] P93-10051 06
DAMOURS, NORMAN E. JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA [NASA RELEASE-93-70] P93-10071 06
DAVID, LEONARD NASA BUDGET BRIEFING, NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05
DAVIS, MERTON CLEMENTINE MISSION SCIENCE TEAM SELECTED [NASA RELEASE-93-66] P93-10067 06
DAVIS, BRETT NASA PRESS CONFERENCE SPACE STATION REDESIGN, NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05
NASA BUDGET BRIEFING, NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05
DAVIS, DAVID S. MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED [NASA RELEASE-93-11] P93-10001 06
DAVIS, GARY NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE [NASA RELEASE-93-154] P93-10155 06
DAVIS, N. JAN PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] P93-10062 06
DEBAKEY, MICHAEL REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO: GIVING THOUGHT TO WHAT COMES NEXT IN SPACE, NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05
DEBERGH, C. NITROGEN ICE DISCOVERED ON PLUTO [NASA RELEASE-93-142] P93-10143 06
DELAMERE, ALAN NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06
DELANEPA, MICHELE SATTELITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST [NASA RELEASE-93-164] P93-10165 06
DELMOND, RICHARD FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
DELUCAS, LAWRENCE PROTO CRystal GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS [NASA RELEASE-93-196] P93-10167 06
DEMACHER, GUIDO HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERERS [NASA RELEASE-93-109] P93-10110 06
DEMIMCIO, PAUL STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10035 06
DENSING, ROLF ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-92-121] P93-10122 06
DHIR, VIJAY NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06
DIAZ, ALPHONSO V. SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10021 06
NASA BUDGET BRIEFING, NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05
PERSONAL NAMES INDEX

SMITH, GERALD
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

SMITH, BRIANNA M.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM [NASA RELEASE-93-117] P93-10118 06

SMITH, DAVID
CLEMENTINE MISSION SCIENCE TEAM SELECTED [NASA RELEASE-93-66] P93-10067 06

SMITH, EDWARD J.
ULYSES REACHES UNEXPLORED REGIONS OF SUN [NASA RELEASE-93-217] P93-10218 06

SMITH, GERALD
SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-94A] P93-10005 06

SMITH, JAMES E., JR.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

SMOLKA, JIM
NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT [NASA RELEASE-93-115] P93-10116 06

SNEIDERMAN, GARY
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

SODERBLOM, LARRY
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER [NASA RELEASE-93-146] P93-10147 06

SOMOLI, ANIL K.
TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON [NASA RELEASE-93-125] P93-10124 06

SONNENBERG, GEORGE
SCIENTISTS REVEAL NATURE OF EXPLODING RED SUPERGIANT STAR [NASA RELEASE-93-65] P93-10064 06

SOURS, RYAN E.
TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON [NASA RELEASE-93-175] P93-10176 06

SOUZA, KENNETH A.
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST [NASA RELEASE-93-173] P93-10174 06

SPANOHER, MARC O.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM [NASA RELEASE-93-117] P93-10118 06

SPAUDING, GLENN
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

SPAUNHOIST, FRANZ-PETER
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

SPRINTMAN, DANIEL A.
SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06

SPOFFORD, JOHN R.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

SPUCK, WILLIAM
GOLDEN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY [NASA RELEASE-92-9] P93-10010 06

SPUDIS, PAUL D.
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY [NASA RELEASE-93-27] P93-10026 06

SRINI, VASON P.
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

STACHNIK, ROBERT
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH [NASA RELEASE-93-48] P93-10049 06

STECHLE, ROB
NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS [NASA RELEASE-93-157] P93-10158 06

STEFFAD, THOMAS PATTEN
STAFFORD RECEIVES CONGRESSIONAL SPACE MEDAL OF HONOR [NASA RELEASE-93-14] P93-10015 06

STANAWAY, JEFFREY D.
TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON [NASA RELEASE-93-175] P93-10176 06

STEEL, JAY
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS [NASA RELEASE-93-179] P93-10179 06

STEIMLE, HANS-ULRICH
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06

STEIN, T. PETER
STS-58 SECOND SPACECRAFT DEPLOYED TO LIFE SCIENCES [NASA RELEASE-93-103] P93-10136 06

STEINBERG, KLAUS
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

STEPHENS, ROBERT M.
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM [NASA RELEASE-93-184] P93-10185 06

STETSON, PETER

STEWART, JAMES
NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN [NASA RELEASE-93-75] P93-10076 06

SULLIVAN, KATHRYN D.
NASA TO FEATURE VIDEO WALL AT PARIS AIR SHOW [NASA RELEASE-93-92] P93-10093 06

SWETT, DICK
LEWIS SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H. [NASA RELEASE-93-206] P93-10207 06

SZALAI, KENNETH J.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

STOVER, CAROL
NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE [NASA RELEASE-93-50] P93-10051 06

SZALAI, KENNETH J.
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06

SZALI, KENNETH J.
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06

STOWELL, MARK
ATHLETICS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

SZERFO, JOHN P.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-144] P93-10005 06

SZOSTAK, JOHN W.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-144] P93-10005 06

SZLONSKI, ROBERT
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-144] P93-10005 06

SZURPULIS, B.
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-144] P93-10005 06

SYED, ASIF
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-144] P93-10005 06
THOMPSON, RANDY J.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

THOMPSON, MILTON O.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TAYLOR, GERALD
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

TELEK, CAROL A.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

THOMAS, JAMES A.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

THOMAS, LAWRENCE R.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

THOMAS, RALPH
NASA BUDGET BRIEFING, NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05
THOMAS, RALPH C., III
NEW ADVISORY GROUP EYES MINORITY
BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

THOMPSON, MILTON O.
CROSSED AWARDED NASA DISTINGUISHED
PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

THOMPSON, RANDY
SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

THORNTON, KATHRYN C.
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

THUILLIER, G.
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

THIOT, PIERRE J.
STS-62 AND STS-56 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10040 06
NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

TIELENS, XANDER
DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

TILDOR, SHELBY G.
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

TITOV, VLADIMIR G.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

TOMASKO, MARTIN
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MEASUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

VANALLEN, JAMES
PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

VANALSTINE, JAMES M.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

VANBEEK, KELLY M.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

VANDECAR, DAVID A.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

VANESS, CHARLES
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
NASA TDSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

VANHOOSER, TERA
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

VEITCH, LISA
NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
LEADERSHIP IN AERONAUTICS
[NASA RELEASE-93-128] P93-10129 06

TURNER, ANNE
HUBBLE CLOSING IN AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

TURNER, RUSSELL T.
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

TURNER, T. JANE
MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06
WILLSON, R.

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

WILSON, ANDREW
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-5] P93-10007 06

WILSON, ROBERT B.
COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

WINDHORST, ROGER
HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

WINDYKA, JOHN
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-1-186] P93-10187 06

WINFREE, WILLIAM
NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

WINGATE, ROBERT T.
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10195 06

WISOFF, PETER JEFF K.
SPACEWALK ADDED TO APRIL SPACE SHUTTLE MISSION
[NASA RELEASE-93-31] P93-10032 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 MISSION
[NASA RELEASE-93-78] P93-10079 06

WITHHIOE, GEORGE
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

WITTEBORN, FRED
EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

WOLF, DAVID A.
STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
[PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

YOUNG, L. A.
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

YOUNG, LAURENCE R.
MUTUAL BROADCASTING SYSTEM'S THE LARRY KING SHOW: INTERVIEW WITH DAN GOLDIN
P93-10249 05
NASA RELEASE-93-222 .......................... P93-10223 06
NASA RELEASE-93-223 .......................... P93-10224 06
NASA RELEASE-93-224 .......................... P93-10225 06
NASA RELEASE-93-225 .......................... P93-10226 06
NASA RELEASE-93-226 .......................... P93-10227 06
NASA RELEASE-93-227 .......................... P93-10228 06
NASA RELEASE-93-228 .......................... P93-10229 06
<table>
<thead>
<tr>
<th>Accession Number</th>
<th>Index Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>P93-10056 06</td>
<td>NASA RELEASE-93-55</td>
</tr>
</tbody>
</table>

This index correlates each accession number with its corresponding news release number, if assigned. The accession number is followed by a two-digit number (05 or 06) identifying the index section where the complete citation appears. The statement NO REPORT NUMBER appears for unnumbered news releases and speeches.
<table>
<thead>
<tr>
<th>Accession Number</th>
<th>Report Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>P93-10222</td>
<td>NASA RELEASE:93-221</td>
</tr>
<tr>
<td>P93-10223</td>
<td>NASA RELEASE:93-222</td>
</tr>
<tr>
<td>P93-10224</td>
<td>NASA RELEASE:93-223</td>
</tr>
<tr>
<td>P93-10225</td>
<td>NASA RELEASE:93-224</td>
</tr>
<tr>
<td>P93-10226</td>
<td>NASA RELEASE:93-225</td>
</tr>
<tr>
<td>P93-10227</td>
<td>NASA RELEASE:93-226</td>
</tr>
<tr>
<td>P93-10228</td>
<td>NASA RELEASE:93-227</td>
</tr>
<tr>
<td>P93-10229</td>
<td>NASA RELEASE:93-228</td>
</tr>
<tr>
<td>P93-10230</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10231</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10232</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10233</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10234</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10235</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10236</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10237</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10238</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10239</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10240</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10241</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10242</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10243</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10244</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10245</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10246</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10247</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10248</td>
<td>NO REPORT NUMBER</td>
</tr>
<tr>
<td>P93-10249</td>
<td>NO REPORT NUMBER</td>
</tr>
</tbody>
</table>
Typical Speech Entry

<table>
<thead>
<tr>
<th>ACCESSION NUMBER</th>
<th>SPEECHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>P93-10230</td>
<td></td>
</tr>
</tbody>
</table>

**ACCESION NUMBER**
P93-10230

**TRANSCRIPT:** REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION
GOLDIN, DANIEL S. 18 FEB. 1993 3p

This listing provides the complete citation for each speech indexed in this publication. Included for each speech are the title, name of speaker, date of release, and other reference information.

P93-10237
THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE
GOLDIN, DANIEL S. 7 JUN. 1993 3p

P93-10238
REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA
GOLDIN, DANIEL S. 23 JUN. 1993 9p

P93-10239
PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS
GOLDIN, DANIEL S. 16 JUL. 1993 13p

P93-10240
ADDRESS TO THE AIAA
GOLDIN, DANIEL S. 27 SEP. 1993 14p

P93-10241
NASA INTERVIEW WITH BILL BROAD, NEW YORK TIMES SCIENCE WRITER
BROAD, BILL 8 NOV. 1993 52p

P93-10242
NEW YORK TIMES INTERVIEW
BROAD, BILL 8 NOV. 1993 15p

P93-10243
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA
GOLDIN, DANIEL S. 9 NOV. 1993 16p

P93-10244
GLOBAL CHANGE RESEARCH; ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL BUILDING, WASHINGTON, DC
GOLDIN, DANIEL S. 10 NOV. 1993 13p

P93-10245
INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC
BATES, MATT 10 NOV. 1993 16p

P93-10246
REMARKS BY DANIEL S. GOLDIN
GOLDIN, DANIEL S. 12 NOV. 1993 5p

P93-10247
WEST VIRGINIA HIGH TECH CONSORTIUM, FAIRMONT, WEST VIRGINIA
GOLDIN, DANIEL S. 3 DEC. 1993 6p

P93-10248
REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
LOGSTONE, JOHN 6 DEC. 1993 40p

P93-10249
MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN
KING, LARRY 6 DEC. 1993 37p
**Typical News Release Entry**

<table>
<thead>
<tr>
<th>ENTRY</th>
<th>ACCESSION NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>P93-10001</td>
<td>1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR</td>
</tr>
<tr>
<td>P93-10002</td>
<td>NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS</td>
</tr>
<tr>
<td>P93-10003</td>
<td>NASA SELECTS PHASE II SMALL BUSINESS INNOVATION RESEARCH PROJECTS</td>
</tr>
<tr>
<td>P93-10004</td>
<td>FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES</td>
</tr>
<tr>
<td>P93-10005</td>
<td>SPACE SHUTTLE MISSION: STS-54</td>
</tr>
<tr>
<td>P93-10006</td>
<td>BIG BANG THEORY PASSES TOUGHEST TEST</td>
</tr>
<tr>
<td>P93-10007</td>
<td>HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY</td>
</tr>
<tr>
<td>P93-10008</td>
<td>SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY</td>
</tr>
<tr>
<td>P93-10009</td>
<td>UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.</td>
</tr>
<tr>
<td>P93-10010</td>
<td>GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY</td>
</tr>
</tbody>
</table>

This listing provides the complete citation for each news release indexed in this publication. Included for each news release are the title, date of release, news release number (if any), and other reference information.
NEWS RELEASES

P93-10045
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
11 MAR. 1993 3p NASA RELEASE-93-44

P93-10046
CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY
15 MAR. 1993 2p NASA RELEASE-93-45

P93-10047
NASA LEAR JET TO CREATE NEW BUSINESS JET TECHNOLOGIES
16 MAR. 1993 3p NASA RELEASE-93-46

P93-10048
NASA AND CENTRAL AMERICA WILL EXPAND RAINFOREST STUDIES
16 MAR. 1993 3p NASA RELEASE-93-47

P93-10049
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
17 MAR. 1993 3p NASA RELEASE-93-48

P93-10050
PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
19 MAR. 1993 2p NASA RELEASE-93-49

P93-10051
OHIO AEROSPACE INSTITUTE TO HOST CONFERENCE
22 MAR. 1993 2p NASA RELEASE-93-50

P93-10052
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
24 MAR. 1993 3p NASA RELEASE-93-51

P93-10053
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
25 MAR. 1993 2p NASA RELEASE-93-52

P93-10054
DIAZ NAMED TO SPACE SCIENCE POST
24 MAR. 1993 1p NASA RELEASE-93-53

P93-10055
EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
25 MAR. 1993 1p NASA RELEASE-93-54

P93-10056
NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE
30 MAR. 1993 3p NASA RELEASE-93-55

P93-10057
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
30 MAR. 1993 2p NASA RELEASE-93-56

P93-10058
NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
30 MAR. 1993 2p NASA RELEASE-93-57

P93-10059
DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
1 APR. 1993 3p NASA RELEASE-93-58

P93-10060
SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
1 APR. 1993 2p NASA RELEASE-93-59

P93-10061
NASA TO RSR NETWORK MARKS 10 YEARS OF OPERATION
2 APR. 1993 2p NASA RELEASE-93-60

P93-10062
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-63 MISSION
2 APR. 1993 1p NASA RELEASE-93-61

P93-10063
NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT
2 APR. 1993 1p NASA RELEASE-93-62

P93-10064
SCIENTISTS REVEAL NATURE OF EXPLODING RED SPACECRAFT TEMPESTAR
6 APR. 1993 3p NASA RELEASE-93-63

P93-10065
GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
6 APR. 1993 2p NASA RELEASE-93-64

P93-10066
NASA OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
8 APR. 1993 2p NASA RELEASE-93-65

P93-10067
CLEMEN'TINE MISSION SCIENCE TEAM SELECTED
9 APR. 1993 2p NASA RELEASE-93-66

P93-10068
COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
13 APR. 1993 2p NASA RELEASE-93-67

P93-10069
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
14 APR. 1993 2p NASA RELEASE-93-68

P93-10070
SPACE AND MEDICAL TECHNOLOGIES HONORED
15 APR. 1993 2p NASA RELEASE-93-69

P93-10071
JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA
19 APR. 1993 2p NASA RELEASE-93-70

P93-10072
NASA SR-71 NOW A FLYING OBSERVATORY
20 APR. 1993 2p NASA RELEASE-93-71

P93-10073
NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
22 APR. 1993 3p NASA RELEASE-93-72

P93-10074
NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
23 APR. 1993 1p NASA RELEASE-93-73

P93-10075
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
22 APR. 1993 2p NASA RELEASE-93-74

P93-10076
NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
22 APR. 1993 2p NASA RELEASE-93-75

P93-10077
HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
23 APR. 1993 2p NASA RELEASE-93-76

P93-10078
TECHNOLOGY TRANSFER CENTER TO WORK WITH DOD TO ADVISE INDUSTRY
29 APR. 1993 1p NASA RELEASE-93-77

P93-10079
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
JUN. 1993 7p NASA RELEASE-93-78

P93-10080
COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE SHUTTLE MILESTONES
6 MAY 1993 4p NASA RELEASE-93-79

P93-10081
FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
7 MAY 1993 2p NASA RELEASE-93-80

P93-10082
WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST
10 MAY 1993 2p NASA RELEASE-93-81

P93-10083
NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
11 MAY 1993 2p NASA RELEASE-93-82

P93-10084
NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
13 MAY 1993 2p NASA RELEASE-93-83

P93-10085
NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
14 MAY 1993 2p NASA RELEASE-93-84

P93-10086
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
14 MAY 1993 2p NASA RELEASE-93-85

P93-10087
LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
17 MAY 1993 2p NASA RELEASE-93-86

P93-10088
INTERNATIONAL MARS EXPLORATION GROUP FORMED
17 MAY 1993 1p NASA RELEASE-93-87

P93-10089
NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
17 MAY 1993 2p NASA RELEASE-93-88

P93-10090
MAGELLAN TO TEST AEROBRAKING MANEUVER IN VENUS ATMOSPHERE
18 MAY 1993 2p NASA RELEASE-93-89

P93-10091
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
19 MAY 1993 2p NASA RELEASE-93-90

P93-10092
LEWIS, CASE, BATTTELLE TO COMMERCIALIZE NASA INVENTIONS
19 MAY 1993 2p NASA RELEASE-93-91

P93-10093
NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
20 MAY 1993 1p NASA RELEASE-93-92

P93-10094
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
20 MAY 1993 2p NASA RELEASE-93-93

P93-10095
SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH
25 MAY 1993 2p NASA RELEASE-93-94

P93-10096
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
24 MAY 1993 2p NASA RELEASE-93-95

P93-10097
HUBBLE SERVICING MISSION STUDY COMPLETED
25 MAY 1993 2p NASA RELEASE-93-96

P93-10098
HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
25 MAY 1993 3p NASA RELEASE-93-97

P93-10099
MAGELLAN AEROBRACING, GRAVITY STUDIES UNDERWAY
26 MAY 1993 2p NASA RELEASE-93-98

P93-10100
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
26 MAY 1993 3p NASA RELEASE-93-99

P93-10101
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
1 JUN. 1993 2p NASA RELEASE-93-100

P93-10102
BIENNIAL ASTRONAUT RECRUITING BEGINS
1 JUN. 1993 1p NASA RELEASE-93-101

P93-10103
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANTS
2 JUN. 1993 3p NASA RELEASE-93-102

P93-10104
NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
3 JUN. 1993 2p NASA RELEASE-93-103

F-2
NEWS RELEASES

P93-10155 NASA, NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
26 Aug. 1993 2p NASA RELEASE-93-154

P93-10156 NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
1 Jul. 1993 3p NASA RELEASE-93-123

P93-10125 NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
7 Jul. 1993 2p NASA RELEASE-93-124

P93-10126 NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
12 Jul. 1993 1p NASA RELEASE-93-125

P93-10127 TDROSS C-BAND AGREEMENT RESTUCTURED
13 Jul. 1993 1p NASA RELEASE-93-126

P93-10128 NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS
15 Jul. 1993 3p NASA RELEASE-93-127

P93-10129 NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
15 Jul. 1993 4p NASA RELEASE-93-128

P93-10130 NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT

P93-10131 HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
16 Jul. 1993 3p NASA RELEASE-93-130

P93-10132 JSC DIRECTOR COHEN ANOUNCES RETIREMENT
16 Jul. 1993 2p NASA RELEASE-93-131

P93-10133 FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING

P93-10134 HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANGLOMERATE GALAXY
19 Jul. 1993 4p NASA RELEASE-93-133

P93-10135 NASA PROVIDING MIDWEST FLOODING INFORMATION
22 Jul. 1993 2p NASA RELEASE-93-134

P93-10136 STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
22 Jul. 1993 3p NASA RELEASE-93-135

P93-10137 DEVELOP X-RAY BURSTS

P93-10138 NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
2 Sep. 1993 1p NASA RELEASE-93-159

P93-10139 COBE "BIG BANG" DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY

P93-10140 MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
2 Sep. 1993 1p NASA RELEASE-93-159

P93-10141 NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE
3 Sep. 1993 2p NASA RELEASE-93-150

P93-10142 CREW MEMBERS SELECTED FOR STS-63 SHUTTLE MISSION 6 FEB. 1993 2p NASA RELEASE-93-160

P93-10143 CORDOVA NAMED NASA CHIEF SCIENTIST
10 Sep. 1993 2p NASA RELEASE-93-162

P93-10144 UNIQUAL CHEMICAL PROCESS COULD IMPROVE CERAMIC MATERIALS
9 Aug. 1993 2p NASA RELEASE-93-143

P93-10145 NASA SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
17 Aug. 1993 3p NASA RELEASE-93-148

P93-10146 NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
15 Aug. 1993 2p NASA RELEASE-93-147

P93-10147 NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER

P93-10148 SPACE STATION HEAD OF STRATEGIC PLANNING
23 Aug. 1993 1p NASA RELEASE-93-149

P93-10149 ASTROPHYSICIST SELECTS UPPER ATMOSPHERE INVESTIGATORS
1 Jul. 1993 3p NASA RELEASE-93-123

P93-10150 SELECTS ACTORS TO PLAY LEADERSHIP NAMES FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10151 NASA, NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
26 Aug. 1993 2p NASA RELEASE-93-154

P93-10152 NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS
15 Jul. 1993 3p NASA RELEASE-93-127

P93-10153 FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING

P93-10154 NASA SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
17 Aug. 1993 3p NASA RELEASE-93-148

P93-10155 NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
15 Aug. 1993 2p NASA RELEASE-93-147

P93-10156 NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER

P93-10157 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10158 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10159 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10160 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10161 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10162 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10163 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10164 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

P93-10165 NASA MANIFESTS SELECTED FOR FUTURE MISSIONS
3 Aug. 1993 2p NASA RELEASE-93-140

F-3
NEWS RELEASES

P93-10166
FLIGHT TESTS PROVE SIMPLER SATELLITE GUIDED AUTOLAND METHOD
23 SEP 1993 2p NASA RELEASE-93-165

P93-10167
PROTEIN CRYSTAL GROWTH RESEARCH TAKES NEW DIRECTIONS
23 SEP 1993 2p NASA RELEASE-93-166

P93-10168
NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
23 SEP 1993 2p NASA RELEASE-93-167

P93-10169
NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
24 SEP 1993 2p NASA RELEASE-93-168

P93-10170
HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING
24 SEP 1993 2p NASA RELEASE-93-169

P93-10171
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
28 SEP 1993 2p NASA RELEASE-93-170

P93-10172
NASA, FAA CONSIDER REVISED WINDSHIELD PILOTING PROCEDURES
29 SEP 1993 2p NASA RELEASE-93-171

P93-10173
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
30 SEP 1993 2p NASA RELEASE-93-172

P93-10174
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRSTS
28 SEP 1993 2p NASA RELEASE-93-173

P93-10175
NEW WINDSHIELD SENSORS A GOVERNMENT-INDUSTRY SUCCESS STORY
28 SEP 1993 3p NASA RELEASE-93-174

P93-10176
NASA SELECTS THIRD SET OF MINORITY CONTRACTORS OF THE YEAR
30 SEP 1993 2p NASA RELEASE-93-175

P93-10177
ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD
30 SEP 1993 2p NASA RELEASE-93-176

P93-10178
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
30 SEP 1993 3p NASA RELEASE-93-177

P93-10179
COMPTON GAMMA RAY OBSERVATORY TO GET ORBIT BOOST
4 OCT 1993 2p NASA RELEASE-93-178

P93-10180
PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
5 OCT 1993 2p NASA RELEASE-93-180

P93-10182
SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS
8 OCT 1993 2p NASA RELEASE-93-181

P93-10183
GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
12 OCT 1993 3p NASA RELEASE-93-182

P93-10184
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
12 OCT 1993 2p NASA RELEASE-93-183

P93-10185
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
12 OCT 1993 1p NASA RELEASE-93-184

P93-10186
DIRECTOR OF Ames TECHNOLOGY COMMERIALIZATION CENTER NAMED
15 OCT 1993 1p NASA RELEASE-93-185

P93-10187
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
15 OCT 1993 5p NASA RELEASE-93-186

P93-10188
FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
15 OCT 1993 3p NASA RELEASE-93-187

P93-10189
HUBBLE INVESTIGATES COMET ON A COLLISION COURSE WITH JUPITER
18 OCT 1993 4p NASA RELEASE-93-188

P93-10190
NASA LIMITS EXPENDITURES ON THE ASM PROGRAM
18 OCT 1993 2p NASA RELEASE-93-189

P93-10191
1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
18 OCT 1993 3p NASA RELEASE-93-190

P93-10192
GOLDIN ANNOUNCES KEY SPACE STATION MANAGEMENT MOVES
20 OCT 1993 1p NASA RELEASE-93-191

P93-10193
MYSTERY OF 'FASTEST FLICKERING' GALAXY SOLVED
20 OCT 1993 2p NASA RELEASE-93-192

P93-10194
GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IIA
22 OCT 1993 2p NASA RELEASE-93-193

P93-10195
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES $6 MILLION PER YEAR
25 OCT 1993 2p NASA RELEASE-93-194

P93-10196
DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
26 OCT 1993 2p NASA RELEASE-93-195

P93-10197
U.S.-RUSSIAN SPACE AGENCIES HOOK UP 1994
29 OCT 1993 2p NASA RELEASE-93-196

P93-10198
NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY
30 OCT 1993 2p NASA RELEASE-93-197

P93-10199
NASA RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
29 OCT 1993 2p NASA RELEASE-93-198

P93-10200
NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
29 OCT 1993 2p NASA RELEASE-93-199

P93-10201
NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS
1 NOV 1993 1p NASA RELEASE-93-200

P93-10202
NASA SPONSORING SMALL BUSINESS CONFERENCE ON DEC. 1-2
5 NOV 1993 1p NASA RELEASE-93-201

P93-10203
NASA STARTS PHASE II OF SUPERSONIC AIRMEN EFFORT
8 NOV 1993 2p NASA RELEASE-93-202

P93-10204
HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
8 NOV 1993 2p NASA RELEASE-93-203

P93-10205
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
10 NOV 1993 3p NASA RELEASE-93-204

P93-10206
TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
9 NOV 1993 2p NASA RELEASE-93-205

P93-10207
NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H.
9 NOV 1993 1p NASA RELEASE-93-206

P93-10208
NASA ANNOUNCES 1993 SBIR PHASE I SELECTIONS
12 NOV 1993 2p NASA RELEASE-93-207

P93-10209
IO'S "GHOST" DETECTED ON JUPITER
10 NOV 1993 2p NASA RELEASE-93-208

P93-10210
JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS
15 NOV 1993 2p NASA RELEASE-93-209

P93-10211
NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS
15 NOV 1993 2p NASA RELEASE-93-210

P93-10212
NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY
18 NOV 1993 2p NASA RELEASE-93-211

P93-10213
TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
29 NOV 1993 2p NASA RELEASE-93-212

P93-10214
NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
29 NOV 1993 3p NASA RELEASE-93-213

P93-10215
NASA EXCEEDS MINORITY SMALL BUSINESS GOAL AHEAD OF SCHEDULE
30 NOV 1993 2p NASA RELEASE-93-214

P93-10216
YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
2 DEC 1993 2p NASA RELEASE-93-215

P93-10217
NASA ANNOUNCES ADDITIONAL 1993 SMALL BUSINESS SELECTIONS
6 DEC 1993 2p NASA RELEASE-93-216

P93-10218
Ulysses reaches unexplored regions of sun
6 DEC 1993 3p NASA RELEASE-93-217

P93-10219
NASA INDUSTRY EFFORT BOOSTS AUTOMATED PARTS ID SYSTEM
6 DEC 1993 3p NASA RELEASE-93-218

P93-10220
NASA SELECTS PHASE II SMALL BUSINESS PROJECTS
15 DEC 1993 1p NASA RELEASE-93-219

P93-10221
NASA BEGINS DEVELOPMENT OF FIRST ASTEROID-ORBITING MISSION
15 DEC 1993 2p NASA RELEASE-93-220

P93-10222
NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
16 DEC 1993 2p NASA RELEASE-93-221

P93-10223
NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
16 DEC 1993 2p NASA RELEASE-93-222

P93-10224
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
20 DEC 1993 3p NASA RELEASE-93-223

P93-10225
NASA ANNOUNCES 1994 GROUNDFLOOR REBOOST
20 DEC 1993 3p NASA RELEASE-93-224
<table>
<thead>
<tr>
<th>NEWS RELEASES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P93-10226</strong></td>
</tr>
<tr>
<td>NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT</td>
</tr>
<tr>
<td>20 DEC. 1993 3p NASA RELEASE-93-225</td>
</tr>
<tr>
<td><strong>P93-10227</strong></td>
</tr>
<tr>
<td>HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS</td>
</tr>
<tr>
<td>22 DEC. 1993 20p NASA RELEASE-93-226</td>
</tr>
<tr>
<td><strong>P93-10228</strong></td>
</tr>
<tr>
<td>PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT</td>
</tr>
<tr>
<td>21 DEC. 1993 2p NASA RELEASE-93-227</td>
</tr>
<tr>
<td><strong>P93-10229</strong></td>
</tr>
<tr>
<td>NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS</td>
</tr>
<tr>
<td>23 DEC. 1993 2p NASA RELEASE-93-228</td>
</tr>
</tbody>
</table>
### CASI PRICE TABLES

#### STANDARD PRICE DOCUMENTS

<table>
<thead>
<tr>
<th>PRICE CODE</th>
<th>NORTH AMERICAN PRICE</th>
<th>FOREIGN PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A01</td>
<td>$ 9.00</td>
<td>$ 18.00</td>
</tr>
<tr>
<td>A02</td>
<td>12.50</td>
<td>25.00</td>
</tr>
<tr>
<td>A03</td>
<td>17.50</td>
<td>35.00</td>
</tr>
<tr>
<td>A04-A05</td>
<td>19.50</td>
<td>39.00</td>
</tr>
<tr>
<td>A06-A09</td>
<td>27.00</td>
<td>54.00</td>
</tr>
<tr>
<td>A10-A13</td>
<td>36.50</td>
<td>73.00</td>
</tr>
<tr>
<td>A14-A17</td>
<td>44.50</td>
<td>89.00</td>
</tr>
<tr>
<td>A18-A21</td>
<td>52.00</td>
<td>104.00</td>
</tr>
<tr>
<td>A22-A25</td>
<td>61.00</td>
<td>122.00</td>
</tr>
<tr>
<td>A99</td>
<td>Call For Price</td>
<td>Call For Price</td>
</tr>
</tbody>
</table>

#### MICROFICHE

<table>
<thead>
<tr>
<th>PRICE CODE</th>
<th>NORTH AMERICAN PRICE</th>
<th>FOREIGN PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A01</td>
<td>$ 9.00</td>
<td>$ 18.00</td>
</tr>
<tr>
<td>A02</td>
<td>12.50</td>
<td>25.00</td>
</tr>
<tr>
<td>A03</td>
<td>17.50</td>
<td>35.00</td>
</tr>
<tr>
<td>A04</td>
<td>19.50</td>
<td>39.00</td>
</tr>
<tr>
<td>A06</td>
<td>27.00</td>
<td>54.00</td>
</tr>
<tr>
<td>A10</td>
<td>36.50</td>
<td>73.00</td>
</tr>
</tbody>
</table>

#### IMPORTANT NOTICE

CASI Shipping and Handling Charges

- U.S.—ADD $3.00 per TOTAL ORDER
- Canada and Mexico—ADD $3.50 per TOTAL ORDER
- All Other Countries—ADD $7.50 per TOTAL ORDER

Does NOT apply to orders requesting CASI RUSH HANDLING.

CASI accepts most credit/charge cards.

**NASA Center for AeroSpace Information**

800 Elkridge Landing Road
Linthicum Heights, MD 21090-2934
Telephone: (301) 621-0390
E-mail: help@sti.nasa.gov
Fax: (301) 621-0134

Rev. 2/94
This index contains a listing of news releases distributed by the Office of Public Affairs, NASA Headquarters, and a selected listing of speeches presented by members of the Headquarters staff during 1993.