Index to NASA News Releases and Speeches 1989

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Index to NASA
News Releases and Speeches
1989

An index to selected news releases and speeches
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 1989. 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 1988.

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, News 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 Scientific and Technical Information Facility, P.O. Box 8757, BWI Airport, MD 21240. Requests for copies of the index itself should be addressed to the Scientific and Technical Information Division, Code NTT, National Aeronautics and Space Administration, Washington, DC 20546.
## 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>
<tr>
<td>SUBJECT INDEX</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td></td>
</tr>
<tr>
<td>ACADEMY OF SCIENCES, U.S.S.R.</td>
<td>AERIAL PHOTOGRAPHY</td>
</tr>
<tr>
<td>U.S./U.S.S.R. EARTH SCIENCES GROUP IDENTIFY AREAS OF COOPERATION</td>
<td>NASA'S ER-2 AIRCRAFT TAKING EARTHQUAKE DAMAGE ASSESSMENT PHOTOS</td>
</tr>
<tr>
<td>(NASA RELEASE-89-123)</td>
<td>(NASA RELEASE-89-163)</td>
</tr>
<tr>
<td>ACCIDENT INVESTIGATION</td>
<td>TITLE</td>
</tr>
<tr>
<td>LANGLEY RESEARCH CENTER WIND TUNNEL MISHAP STUDY REPORT RELEASED</td>
<td>ACCESS NUMBER</td>
</tr>
<tr>
<td>(NASA RELEASE-89-114)</td>
<td>P89-10163 06</td>
</tr>
<tr>
<td>FINDINGS RELEASED ON ORBITER PROCESSING FACILITY WATER MISHAP</td>
<td>REFERENCE SECTION NUMBER</td>
</tr>
<tr>
<td>(NASA RELEASE-89-173)</td>
<td>P89-10173 06</td>
</tr>
<tr>
<td>AGRC SYSTEM</td>
<td>SUBJECT</td>
</tr>
<tr>
<td>S ASSURED CREW RETURN CAPABILITY</td>
<td>ADVANCED FIGHTER TECHNOLOGY INTEGRATION</td>
</tr>
<tr>
<td>ADAPTATION</td>
<td>NASA COMPLETES ADVANCED WING FLIGHT PROGRAM, PLANS SYMPOSIUM</td>
</tr>
<tr>
<td>NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS</td>
<td>(NASA RELEASE-89-35)</td>
</tr>
<tr>
<td>(NASA RELEASE-89-169)</td>
<td>P89-10035 06</td>
</tr>
<tr>
<td>ADMINISTRATIVE OPERATIONS</td>
<td>ADVANCED LAUNCH SYSTEM/ALS/</td>
</tr>
<tr>
<td>S ORGANIZATION CHANGE</td>
<td>CONTRACTS AWARDED FOR ADVANCED LAUNCH SYSTEM ADVANCED DEVELOPMENT PROPULSION</td>
</tr>
<tr>
<td>ADMINISTRATIVE OPERATIONS</td>
<td>NASA RELEASE-89-27</td>
</tr>
<tr>
<td>NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS</td>
<td>CONTRACTORS SELECTED FOR ADVANCED LAUNCH SYSTEM STUDIES</td>
</tr>
<tr>
<td>(NASA RELEASE-89-109)</td>
<td>(NASA RELEASE-89-99)</td>
</tr>
<tr>
<td>ADVANCED COMPOSITES TECHNOLOGY SAT.</td>
<td>BOERING, MARTIN MARIETTA TO STUDY SPACE TRANSFER VEHICLE CONCEPTS</td>
</tr>
<tr>
<td>HARRIS CORP. SELECTED FOR ADVANCED COMMUNICATIONS TECHNOLOGY WORK</td>
<td>(NASA RELEASE-89-107)</td>
</tr>
<tr>
<td>NASA RELEASE-89-109</td>
<td>P89-10099 06</td>
</tr>
<tr>
<td>ADVANCED COMPOSITE STRUCTURES TECH PROG.</td>
<td>EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: BRIEFING FOR CEOS OF NASA MAJOR CONTRACTOR COMPANIES, NASA HEADQUARTERS</td>
</tr>
<tr>
<td>CONTRACTS FOR BREAKTHROUGHS IN AIRCRAFT COMPOSITE STRUCTURES</td>
<td>(NASA RELEASE-89-37)</td>
</tr>
<tr>
<td>(NASA RELEASE-89-135)</td>
<td>P89-10037 06</td>
</tr>
<tr>
<td>ADVANCED COMPOSITION EXPLORER/ACE/</td>
<td>NASA SELECTS CONTRACTOR TO DEVELOP ADVANCED SOLID ROCKET MOTOR</td>
</tr>
<tr>
<td>NASA TO FURTHER DEVELOP 2 EXPLORER SCIENTIFIC SPACECRAFT</td>
<td>NASA RELEASE-89-57</td>
</tr>
<tr>
<td>(NASA RELEASE-89-159)</td>
<td>P89-10057 06</td>
</tr>
</tbody>
</table>

**Typical Subject Index Listing**

The title of the news release or speech is used as the prime retrieval point. 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. If available, the news release number is also included.
AIRCRAFT

AIRCRAFT ENGINES
S AEROSPACE PLANES
S CONAIR CV-890 AIRCRAFT
S DC-8 AIRCRAFT
S ER-2 AIRCRAFT
S F-16 AIRCRAFT
S F-111 AIRCRAFT
S F-18 AIRCRAFT
S HYPERSONIC AIRCRAFT
S SHUTTLE TRAINING AIRCRAFT
S STOLV AIRCRAFT
S TRANSPORT AIRCRAFT
S X-15 AIRCRAFT
S X-29 AIRCRAFT

AIRCRAFT CONTROL

MOBILE SATELLITE SYSTEM PROVEN IN AIRBORNE TEST
[NASA RELEASE-89-58] P89-10058 06

AIRCRAFT COMMUNICATIONS

NASA FLIES FIRST AIRCRAFT SELF-DIAGNOSTICS SYSTEM
[NASA RELEASE-89-80] P89-10069 06

AIRCRAFT DESIGN

NASA COMPLETES FIRST X-29 FLIGHT RESEARCH PREPARES FOR SECOND
[NASA RELEASE-89-7] P89-10007 06

US/UK ASTOVL PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS
[NASA RELEASE-89-16] P89-10016 06

NASA COMPLETES ADVANCED WING FLIGHT PROGRAM PLANS SYMPOSIUM
[NASA RELEASE-89-19] P89-10019 06

NASA PLANS F-16XL SUSTAINED-SUPERSONIC AIRFLOW RESEARCH TESTS
[NASA RELEASE-89-47] P89-10047 06

NASA FLIES FIRST AIRCRAFT SELF-DIAGNOSTICS SYSTEM
[NASA RELEASE-89-69] P89-10069 06

NASA SELECTS UNIVERSITIES FOR ADVANCED ENGINEERING DESIGN GRANTS
[NASA RELEASE-89-84] P89-10084 06

NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE
[NASA RELEASE-89-122] P89-10122 06

NASA RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-176] P89-10176 06

AIRCRAFT ENGINES

U.S. GOVERNMENT REGIONS $19 MILLION FROM AIRCRAFT ENGINE PROGRAM
[NASA RELEASE-89-29] P89-1029 06

AIRCRAFT LANDING DYNAMICS FACILITY, LARC
NASA TO TEST SPACE SHUTTLE LANDING GEAR
[NASA RELEASE-89-74] P89-10074 06

AIRCRAFT PERFORMANCE
NASA COMPLETES FIRST X-29 FLIGHT RESEARCH PREPARES FOR SECOND
[NASA RELEASE-89-7] P89-10007 06

US/UK ASTOVL PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS
[NASA RELEASE-89-16] P89-10016 06

NASA COMPLETES ADVANCED WING FLIGHT PROGRAM PLANS SYMPOSIUM
[NASA RELEASE-89-19] P89-10019 06

NASA PLANS F-16XL SUSTAINED-SUPERSONIC AIRFLOW RESEARCH TESTS
[NASA RELEASE-89-47] P89-10047 06

AIRCRAFT SAFETY

NASA FLIES FIRST AIRCRAFT SELF-DIAGNOSTICS SYSTEM
[NASA RELEASE-89-69] P89-10069 06

NASA EXHIBIT AT EAA FOCUSSES ON 'INVESTING IN THE FUTURE'
[NASA RELEASE-89-116] P89-10116 06

NASA AIRCRAFT TAKEOFF MONITOR SYSTEM MAY ENHANCE FLIGHT SAFETY
[NASA RELEASE-89-167] P89-10167 06

NASA TECHNOLOGY SAUGMENTED LIFT SYSTEMS
NASA EXHIBIT AT EAA FOCUSSES ON 'INVESTING IN THE FUTURE'
[NASA RELEASE-89-116] P89-10116 06

NASA CONTRACTS AIM AT BREAKTHROUGHS IN AIRCRAFT COMPOSITE STRUCTURES
[NASA RELEASE-89-126] P89-10136 06

NASA AIRCRAFT TESTS RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-175] P89-10175 06

NASA AIRCRAFT WINGS SA MISSION ADAPTIVE WINGS SA SWEEP FORWARD WINGS

NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE
[NASA RELEASE-89-122] P89-10122 06

NASA FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-175] P89-10175 06

ALABAMA UNIV., HUNTSVILLE

MULI-COLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST
[NASA RELEASE-89-94] P89-10005 06

NASA TO SUPPORT COMMERCIAL DEVELOPMENT SOUNDING ROCKET FLIGHTS
[NASA RELEASE-89-58] P89-10058 06

ALAMOS

S WARNING SYSTEMS

ALASKA

NASA AND NOAA SEND VLB TO STUDY CALIFORNIA EARTHQUAKE MOVEMENT
[NASA RELEASE-89-164] P89-10164 06

ALASKA UNIV.

ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND U.S.
[NASA RELEASE-89-30] P89-10030 06

MULTI-COLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST
[NASA RELEASE-89-55] P89-10055 06

AMERICAN ASCONOMIC SOCIETY

CHINESE ARTIFICIAL CLOUDS PROVIDE CLUE TO EARTH'S ROTATION
[NASA RELEASE-89-90] P89-10090 06

AMERICAN NATIONAL STANDARDS INSTITUTE

ROBINS NAMED NASA ASSOCIATE ADMINISTRATOR FOR MANAGEMENT
[NASA RELEASE-89-1] P89-10001 06

AMERICAN ROCKET CO., CALIF.

NASA, AMROC AGREE TO CRITICAL CHEMICAL EXCHANGE
[NASA RELEASE-89-92] P89-10092 06

COMMERCIAL LAUNCH SERVICES SYMPOSIUM HELD
[NASA RELEASE-89-102] P89-10102 06

AMERICAN SOCIETY FOR QUALITY CONTROL

EIGHT FIRMS NAMED NASA QUALITY AND PRODUCTIVITY FINALISTS
[NASA RELEASE-89-65] P89-10065 06

NASA PRESENTS EXCELLENCE AWARD TO LOCKHEED
[NASA RELEASE-89-168] P89-10168 06

AMERICAN TELEPHONE AND TELEGRAPH CO.

U.S./U.S.S.R. SPACERIDGE HELPING ARMENIAN EARTHQUAKE VICTIMS
[NASA RELEASE-89-83] P89-10083 06

AMES RESEARCH CENTER, MOFFETT FIELD, CA.

BALLEPRO RETURNS TO AMES RESEARCH CENTER
[NASA RELEASE-89-912] P89-10012 06

US/UK ASTOVL PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS
[NASA RELEASE-89-16] P89-10016 06

TRUCK AERODYNAMIC DEVICE COULD LEAD TO MAJOR FUEL SAVINGS
[NASA RELEASE-89-177] P89-10017 06

COSMOS MISSION RESULTS AND FUTURE U.S./USSR MISSIONS ANNOUNCED
[NASA RELEASE-89-168] P89-10018 06

NASA CONDUCTS FIRST GLOBAL SURFACE RADIATION BUDGET EXPERIMENT
[NASA RELEASE-89-48] P89-10048 06

NASA FINAL PROOF PROGRAM FLIGHT TESTS CONDUCTED
[NASA RELEASE-89-64] P89-10064 06

NASA/STAFF LOW-COST PARALLEL-PROCESSING COMPUTER DEMONSTRATED
[NASA RELEASE-89-80] P89-10080 06

BALAHNUS DESIGN AS DIRECTOR OF NASA'S AMES RESEARCH CENTER
[NASA RELEASE-89-116] P89-10116 06

NASA ANNOUNCES COLLABORATIVE RESEARCH PROJECT WITH GENENTECH
[NASA RELEASE-89-192] P89-10192 06

NASA'S ER-2 AIRCRAFT TAKING EARTHQUAKE DAMAGE ASSESSMENT PHOTOS
[NASA RELEASE-89-168] P89-10168 06

RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-175] P89-10175 06

GLOBE EXPERIMENT MEASURES WIND VELOCITY, DIRECTION
[NASA RELEASE-89-177] P89-10177 06

COMPONTS NAMES AMES RESEARCH CENTER DIRECTOR
[NASA RELEASE-89-182] P89-10182 06

PIONEERS MAKE FIRST MEASUREMENTS OF INTERSTELLAR LIGHT
[NASA RELEASE-89-186] P89-10186 06

AMMONIUM PHALORILE

FINANCING ARRANGED FOR AMMONIUM PHALORILE PLANT
[NASA RELEASE-89-40] P89-10040 06

AMROC

S AMERICAN ROCKET CO., CALIF.

ANNOUNCEMENT OF OPPORTUNITY
NASA ANNOUNCES EARTH OBSERVATION SYSTEM INVESTIGATIONS
[NASA RELEASE-89-15] P89-10015 06

NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-103] P89-10103 06

NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-105] P89-10105 06

ANTARCTICA

NASA CONDUCTS FIRST GLOBAL SURFACE RADIATION BUDGET EXPERIMENT
[NASA RELEASE-89-48] P89-10048 06

U.S./USSR ARTIC SCIENCE GROUP IDENTIFY AREAS OF COOPERATION
[NASA RELEASE-89-123] P89-10123 06

NASA SCIENTISTS OBSERVE STRONG ANTARCTIC OZONE HOLE
[NASA RELEASE-89-152] P89-10152 06

NASA CONFIRMS '89 OZONE HOLE MATCHES '87 RECORD
[NASA RELEASE-89-160] P89-10160 06

APOLLO PROJECT

APOLLO-ERA TECHNOLOGY SPINOFFS CONTINUE TO ENHANCE HUMAN LIFE
[NASA RELEASE-89-117] P89-10117 06

APOLLO-11 LUNAR EXPERIMENT STILL USEFUL AFTER 20 YEARS
[NASA RELEASE-89-119] P89-10119 06
B

BACKGROUND RADIATION
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-158] P89-10158 06
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06
PIONEERS MAKE FIRST MEASUREMENTS OF INTERSTELLAR LIGHT
[NASA RELEASE-89-166] P89-10166 06
BALL AEROSPACE SYSTEMS, BOULDER, COLO.
EFFECTS OF CLOUDS ON CLIMATE MEASURED BY NASA PROJECT
[NASA RELEASE-89-14] P89-10014 06
BARUN CLOUDS
ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND U.S.
[NASA RELEASE-89-30] P89-10030 06
MULTI-COLORED ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST
[NASA RELEASE-89-55] P89-10055 06
BARRIES TECHNOLOGY, INC., HOUSTON, TX.
EIGHT FIRMS NAMED NASA QUALITY AND PRODUCTIVITY FINALISTS
[NASA RELEASE-89-65] P89-10065 06
NASA PRESENTS EXCELLENCE AWARD TO LOCHHEAD
[NASA RELEASE-89-168] P89-10168 06
BATTELLE-NORTHWEST, RICHLAND, WASH.
ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND U.S.
[NASA RELEASE-89-30] P89-10030 06
BENDIX CORP.
U.S./U.S.S.R. SPACEBRIDGE HELPING ARMENIAN EARTHQUAKE VICTIMS
[NASA RELEASE-89-83] P89-10083 06
BENDIX FIELD ENG. CORP., COLUMBIA, MD.
EIGHT FIRMS NAMED NASA QUALITY AND PRODUCTIVITY FINALISTS
[NASA RELEASE-89-65] P89-10065 06
NASA PRESENTS EXCELLENCE AWARD TO LOCHHEAD
[NASA RELEASE-89-168] P89-10168 06
BERMUDA
NASA CONDUCTS FIRST GLOBAL SURFACE RADIATION BUDGET EXPERIMENT
[NASA RELEASE-89-48] P89-10048 06
BIG-BANG COSMOLOGY
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-158] P89-10158 06
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06
BIOGRAPHY
ROBINS NAMED NASA ASSOCIATE ADMINISTRATOR FOR MANAGEMENT
[NASA RELEASE-89-11] P89-10011 06
BALLHAUS RETURNS TO Ames RESEARCH CENTER
[NASA RELEASE-89-12] P89-10012 06
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06
SPACE SHUTTLE CREW MEMBERS NAMED TO DOD, LIFE SCIENCES MISSIONS
[NASA RELEASE-89-24] P89-10024 06
NASA ADMINISTRATOR FLETCHER REGIONS
[NASA RELEASE-89-36] P89-10036 06
ASTRONAUT HAUCK DEPARTING NASA FOR NAVY POST AT PENTAGON
[NASA RELEASE-89-39] P89-10039 06
ROSEN NAMED ACTING ASSOCIATE ADMINISTRATOR
[NASA RELEASE-89-41] P89-10041 06
ASTRONAUTS NAMED FOR TWO SPACE SCIENCE MISSIONS
[NASA RELEASE-89-44] P89-10044 06
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

SUBJECT INDEX

ACLTING NASA ADMINISTRATOR TO RESIGN
[NASA RELEASE-89-49] P89-10049 06
ASSOCIATE DEPUTY ADMINISTRATOR HINNERS TO RESIGN
[NASA RELEASE-89-80] P89-10080 06
ODOM ANNOUNCES RETIREMENT FROM NASA
[NASA RELEASE-89-61] P89-10061 06
MCN-6E TO LEAVE NASA, BRAD NAMED COMMANDER OF STS-35
[NASA RELEASE-89-62] P89-10062 06
ASTRONAUTS NAMED TO TWO DOD MISSIONS SCHEDULED FOR 1990
[NASA RELEASE-89-71] P89-10071 06
MOSER TO LEAVE NASA MAY 13
[NASA RELEASE-89-72] P89-10072 06
TRULY SELECTS KELLER AS ASSOCIATE DEPUTY ADMINISTRATOR
[NASA RELEASE-89-75] P89-10075 06
SPACE STATION PROGRAM LEADERSHIP SELECTED BY TRULY
[NASA RELEASE-89-77] P89-10077 06
BRIDWELL TO MANAGE SHUTTLE PROJECTS OFFICE AT MARSHALL
[NASA RELEASE-89-78] P89-10078 06
SMITH APPOINTED DEPUTY DIRECTOR, NASA STENNIS SPACE CENTER
[NASA RELEASE-89-85] P89-10085 06
AL DIAZ SELECTED AS DEPUTY ASSOCIATE ADMINISTRATOR FOR SPACE
[NASA RELEASE-89-87] P89-10087 06
HARTSFIELD TO HEAD SPACE FLIGHT/SPACE STATION INTEGRATION OFFICE
[NASA RELEASE-89-88] P89-10088 06
ASTRONAUT "PINKY" NELSON TO LEAVE NASA
[NASA RELEASE-89-89] P89-10089 06
TANNER TO LEAVE NASA
[NASA RELEASE-89-103] P89-10103 06
LEE APPOINTED DIRECTOR OF MARSHALL SPACE FLIGHT CENTER
[NASA RELEASE-89-115] P89-10115 06
O'BRIEN RETURNS TO NASA AS ASSISTANT DEPUTY ADMINISTRATOR
[NASA RELEASE-89-125] P89-10125 06
TRULY ASSIGNS JSC'S COHEN TO LEAD NASA PREPARATION FOR NEW CIVIL SPACE GOALS
[NASA RELEASE-89-128] P89-10128 06
JERRY J. FITTS APPOINTED DEPUTY ASSOCIATE ADMINISTRATOR OF OSO
[NASA RELEASE-89-147] P89-10147 06
SHUTTLE ATLANTIS TO DEPLOY GAULEID PROBE TOWARD JUPITER
[NASA RELEASE-89-151] P89-10151 06
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06
MOOREHEAD NAMED SPACE STATION FRED PROGRAM DEPUTY
[NASA RELEASE-89-155] P89-10155 06
ALDRICH NAMED ASSOCIATE ADMINISTRATOR FOR AERONAUTICS AND SPACE TECHNOLOGY, CRIPPEN TO HEAD SHUTTLE PROGRAM
[NASA RELEASE-89-162] P89-10162 06
NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS
[NASA RELEASE-89-169] P89-10169 06
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06
COMPTON NAMES AMES RESEARCH CENTER DIRECTOR
[NASA RELEASE-89-182] P89-10182 06
BIOLOGICAL EFFECTS
SA PHYSIOLOGICAL EFFECTS
NASA SCIENTISTS IDENTIFY MOLECULAR STRUCTURE OF BLOOD PROTEIN
[NASA RELEASE-89-97] P89-10097 06
NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS [NASA RELEASE-89-150] P89-10150 06

NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS [NASA RELEASE-89-18] P89-10181 06

CONTRACT NEGOTIATIONS
NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PHASE II PROJECTS [NASA RELEASE-89-19] P89-10019 06

BOEING, MARTIN MARIETTA TO STUDY SPACE TRANSFER VEHICLE CONCEPTS [NASA RELEASE-89-107] P89-10107 06

CONTRACTING AND PROCUREMENT
COMMERCIAL LAUNCH SERVICES SYMPOSIUM HELD [NASA RELEASE-89-102] P89-10102 06

CONTROL SYSTEMS
S AIRCRAFT CONTROL
S ENGINE CONTROL
S ENVIRONMENTAL CONTROL

CV-990 AIRCRAFT NASA TO TEST SPACE SHUTTLE LANDING GEAR [NASA RELEASE-89-74] P89-10074 06

COOPERATION
S INDUSTRIAL COOPERATION
S INTERAGENCY COOPERATION
S INTERNATIONAL COOPERATION
S SCHOLASTIC COOPERATION

CORNELL UNIV., N.Y.
MULTICOLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST [NASA RELEASE-89-55] P89-10055 06

COSMIC BACKGROUND EXPLORER SATELLITE U.S. LAUNCHES MOST AMBITIOUS SPACE SCIENCE PROGRAM [NASA RELEASE-89-63] P89-10063 06

PLANETARY EXPLORATION FEATURED IN NEXT SATELLITE VIDEODISPLAY CONFERENCE [NASA RELEASE-89-144] P89-10144 06

NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-158] P89-10158 06

NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

THE YEAR IN REVIEW - 1989 [NASA RELEASE-89-183] P89-10183 06

EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: BRIEFING FOR CEOs OF NASA MAJOR CONTRACTOR COMPANIES, NASA HEADQUARTERS P89-10193 05

COSMIC DUST PIONEERS MAKE FIRST MEASUREMENTS OF INTERSTELLAR LIGHT [NASA RELEASE-89-186] P89-10186 06

COSMIC DUST COLLECTION FACILITY NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06

COSMIC RAYS
NASA SELECTS SMALL EXPLORER MISSIONS [NASA RELEASE-89-42] P89-10042 06

NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06

VOYAGER 2 ENCOUNTER OF NEPTUNE [NASA RELEASE-89-151] P89-10151 06

COSMOLOGY
S BIG-BANG COSMOLOGY

COSMOS SATELLITES
COSMOS MISSION RESULTS AND FUTURE U.S./GISS MISSIONS ANNOUNCED [NASA RELEASE-89-18] P89-10018 06


COST ESTIMATES
HARRIS CORP. SELECTED FOR ADVANCED COMMUNICATIONS TECHNOLOGY WORK [NASA RELEASE-89-109] P89-10109 06

NASA SENDS SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS [NASA RELEASE-89-157] P89-10157 06

NASA TO FURTHER DEVELOP 2 EXPLORER SCIENTIFIC SPACECRAFT [NASA RELEASE-89-159] P89-10159 06

COST RECOVERY
U.S. GOVERNMENT REGAINS $19 MILLION FROM AIRCRAFT ENGINE PROGRAM [NASA RELEASE-89-28] P89-10128 06

COST REDUCTION CONTRACTORS SELECTED FOR ADVANCED LAUNCH SYSTEM STUDY [NASA RELEASE-89-99] P89-10099 06

COUNCIL OF CHIEF STATE SCHOOL OFFICERS SHUTTLE ORBITER-NAMING COMPETITION STATE-LEVEL WINNERS ANNOUNCED [NASA RELEASE-89-34] P89-10034 06

CRAB MISSION
S COMET RENDEZVOUS/ASTEROID FLIGHT CRASH HAZARD
S AIRCRAFT SAFETY

CRITICAL VELOCITY EFFECT THEORY, ASTROPHYSICS: MULTICOLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST [NASA RELEASE-89-55] P89-10055 06

CRUSTAL DYNAMICS PROJECT, NASA NASA AND NOAA SEND VLBI TO STUDY CALIFORNIA EARTHQUAKE MOVEMENT [NASA RELEASE-89-164] P89-10164 06

MOBILE VLBI UNITS MEASURE MOVEMENT FROM LOMA PRIETA EARTHQUAKE [NASA RELEASE-89-170] P89-10170 06

CRYSTAL GROWTH
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06

NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06

SYNCOM IV DEPLOY, LEOF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT [NASA RELEASE-89-180] P89-10180 06

CRYSTALLOGRAPHY
NASA SCIENTISTS IDENTIFY MOLECULAR STRUCTURE OF BLOOD PROTEIN [NASA RELEASE-89-97] P89-10097 06

CUMMINS ENGINE CO., INC., COLUMBUS, IND. NASA LEWIS AWARDS ADVANCED POWER SYSTEMS [NASA RELEASE-89-42] P89-10042 06

CV-990 AIRCRAFT S CONVIAIR CV-990 AIRCRAFT

DANISH SPACE RES. INST., COPENHAGEN MULTICOLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST [NASA RELEASE-89-55] P89-10055 06

DARK MATTER
NASA TO FURTHER DEVELOP 2 EXPLORER SCIENTIFIC SPACECRAFT [NASA RELEASE-89-159] P89-10159 06

DATA ACQUISITION AND ANALYSIS
NASA SCIENTISTS OBSERVE STRONG ANTARCTIC OZONE HOLE [NASA RELEASE-89-152] P89-10152 06

GLOBE EXPERIMENT MEASURES WIND VELOCITY, DIRECTION [NASA RELEASE-89-177] P89-10177 06

DATA BASES
NASA OPENS ITS DATA BASES TO STIMULATE STUDENT SCIENCE/ENGINEERING [NASA RELEASE-89-148] P89-10148 06

DATA PROCESSING
S SIGNAL PROCESSING
NASA OPENS ITS DATA BASES TO STIMULATE STUDENT SCIENCE/ENGINEERING [NASA RELEASE-89-148] P89-10148 06

DAYTON RESEARCH INSTITUTE, OHIO NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE [NASA RELEASE-89-122] P89-10122 06

DC-8 AIRCRAFT
GLOBE EXPERIMENT MEASURES WIND VELOCITY, DIRECTION [NASA RELEASE-89-177] P89-10177 06

DEAN & ASSOCIATES, ALEXANDRIA, VA. NASA AWARDS GRANTS FOR FUTURE EXPLORATION STUDIES [NASA RELEASE-89-118] P89-10118 06

DEBRIS
S SPACE DEBRIS

DEEP SPACE NETWORK
NEW SYSTEM USES ARTIFICIAL INTELLIGENCE TO MONITOR SPACECRAFT [NASA RELEASE-89-129] P89-10129 06

VOYAGER 2 ENCOUNTER OF NEPTUNE [NASA RELEASE-89-131] P89-10131 06

ANTENNA IN JAPAN TO AID VOYAGER'S RADIO SCIENCE STUDY OF NEPTUNE [NASA RELEASE-89-133] P89-10133 06

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY NASA/DARPA LOW-COST PARALLEL PROCESSING COMPUTER DEMONSTRATED [NASA RELEASE-89-80] P89-10080 06

DEFENSE, DEPARTMENT OF
S DEPARTMENT OF DEFENSE

DELTA LAUNCH VEHICLES
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-158] P89-10158 06

NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

DEPARTMENT OF COMMERCE
S NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

ORBITAL DEBRIS STUDY COMPLETED [NASA RELEASE-89-20] P89-10020 06

DEPARTMENT OF DEFENSE
S DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

US/AUKASTOL PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS [NASA RELEASE-89-18] P89-10018 06

OCEANIC DEBRIS STUDY COMPLETED [NASA RELEASE-89-20] P89-10020 06

CONTRACTS AWARDED FOR ADVANCED LAUNCH SYSTEM ADVANCED DEVELOPMENT PROSPECTUS [NASA RELEASE-89-27] P89-10027 06

NASA COMPLETES ADVANCED WING FLIGHT PROGRAM, PLANS SYMPOSIUM [NASA RELEASE-89-35] P89-10035 06

NASA CELEBRATES FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT [NASA RELEASE-89-82] P89-10082 06

CONTRACTORS SELECTED FOR ADVANCED LAUNCH SYSTEM STUDIES [NASA RELEASE-89-99] P89-10099 06

DEPARTMENT OF ENERGY
S ARKONIC NATIONAL LAB., ILL. NASA LEWIS AWARDS CONTRACTS FOR ADVANCED POWER SYSTEMS [NASA RELEASE-89-82] P89-10082 06

OCEANIC DEBRIS STUDY COMPLETED [NASA RELEASE-89-20] P89-10020 06

DEPARTMENT OF HEALTH AND HUMAN SERVICES NASA ANNOUNCES PROGRAM FOR A DRUG-FREE WORKPLACE [NASA RELEASE-89-11] P89-10011 06

DEPARTMENT OF INTERIOR
S GEOLOGICAL SURVEY, U.S.

DEPARTMENT OF STATE
OCEANIC DEBRIS STUDY COMPLETED [NASA RELEASE-89-20] P89-10020 06

DEPARTMENT OF THE TREASURY
ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE [NASA RELEASE-89-3] P89-10003 06

SCIENCE OBSERVATIONS SELECTED FOR NASA/ESA HUBBLE SPACE TELESCOPE [NASA RELEASE-89-121] P89-10121 06

NASA TO FURTHER DEVELOP 2 EXPLORER SCIENTIFIC SPACECRAFT [NASA RELEASE-89-159] P89-10159 06

JOHNSON SPACE CENTER, HOUSTON, TEX.

NASA CALLS FOR PROPOSALS REGARDING REUSABLE RENTENCY SATELLITE [NASA RELEASE-89-23] P89-10006 06

NASA SEeks PROPOSAL FOR ORBITAL DEBRIS RADAR [NASA RELEASE-89-8] P89-10008 06

ORBITAL DEBRIS STUDY COMPLETED [NASA RELEASE-89-29] P89-10020 06

THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

SPACE SHUTTLE CREW MEMBERS NAMED TO DOD, LIFE SCIENCES MISSIONS [NASA RELEASE-88-24] P89-10024 06

ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND U.S. [NASA RELEASE-89-30] P89-10005 06

DISCOVERY'S RETURN-TO-FLIGHT PHOTOGRAPHS REVEAL MANY FIRSTS [NASA RELEASE-89-31] P89-10031 06

ASTRONAUT HAUCK DEPARTING NASA FOR NAVY POST AT PENTAGON [NASA RELEASE-89-39] P89-10039 06

ASTRONAUTS NAMED FOR TWO SPACE SCIENCE MISSIONS [NASA RELEASE-89-44] P89-10044 06

DEADLINE SET FOR NEXT ASTRONAUT SELECTION [NASA RELEASE-89-50] P89-10050 06

NASA FINAL PROPPAN PROGRAM FLIGHT TESTS CONDUCTED [NASA RELEASE-89-64] P89-10064 06

NASA TO TEST SPACE SHUTTLE LANDING GEAR [NASA RELEASE-89-74] P89-10074 06

HARTSFIELD TO HEAD SPACE FLIGHT/SPACE STATION INTEGRATION OFFICE [NASA RELEASE-89-88] P89-10088 06

ASTRONAUT 'PINKY' NELSON TO LEAVE NASA [NASA RELEASE-89-89] P89-10089 06

SATELLITE SERVICING CONFERENCE SET FOR JOHNSON SPACE CENTER [NASA RELEASE-89-100] P89-10100 06

TWO COMPANIES CHOSEN FOR WORK ON LIFE SCIENCE SATELLITE [NASA RELEASE-89-101] P89-10101 06

TRUELY ASSIGN SJC'S COHEN TO LEAD NASA PREPARATION FOR NEW CIVIL SPACE GOALS [NASA RELEASE-89-126] P89-10126 06

FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC [NASA RELEASE-89-143] P89-10143 06

SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC [NASA RELEASE-89-153] P89-10153 06

NASA SEEKS SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS [NASA RELEASE-89-157] P89-10157 06

PRIVATE MEDICAL CONSULTATIONS TO BECOME SUSTAINED-SUPERSONIC AIRCRAFT/PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

JUPITER ORBITER/PROBE for SATELLITE [NASA RELEASE-89-69] P89-10068 06

KANSAS

NASA TO STUDY HOW VEGETATION INFLUENCES WEATHER, CLIMATE [NASA RELEASE-89-124] P89-10124 06

KANSAS UNIV.

NASA AIRCRAFT TAKEOFF MONITOR SYSTEM MAY ENHANCE FLIGHT SAFETY [NASA RELEASE-89-187] P89-10187 06

KENNEDY SPACE CENTER, COCOA BEACH, FLA.

ST-29 Countdown Demonstration Test Scheduled for Feb. 7 [NASA RELEASE-89-13] P89-10013 06

THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

ENVIRONMENTAL IMPACT STATEMENT FOR ASRM ISSUED [NASA RELEASE-89-37] P89-10037 06

SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06

HARRIS CORP. SELECTED TO NEGOTIATE MAJOR CONTRACTS [NASA RELEASE-89-51] P89-10051 06

NASA TO LAUNCH NAVY COMMUNICATIONS SATELLITE [NASA RELEASE-89-145] P89-10145 06

DETAILED CONSOLIDATION OF SPACE FLIGHT/SPACE STATION OFFICES ANNOUNCED [NASA RELEASE-89-171] P89-10171 06

FINDINGS RELEASED ON ORBITER PROCESSING FACILITY WATER MISHAP [NASA RELEASE-89-173] P89-10173 06

LASER/LIGHT DETECTION AND RANGING

KITT PEAK NATIONAL OBS., TUCSON, ARIZ.

ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE [NASA RELEASE-89-3] P89-10003 06

KSC

S KENNEDY SPACE CENTER, COCOA BEACH, FLA.

L. B. JOHNSON SPACE CENTER, HOUSTON, TEX.

S JOHNSON SPACE CENTER, HOUSTON, TEX.

LAMINAR FLOW CONTROL

NASA PLANS F-15 TO SUPPORT SUSTAINED-SUPERSONIC AIRFLOW RESEARCH TESTS [NASA RELEASE-89-47] P89-10047 06

LANDING GEAR

NASA TO TEST SPACE SHUTTLE LANDING GEAR [NASA RELEASE-89-74] P89-10074 06

LANDSAT SATELLITES

NEW EARTHQUAKE FAULTS DISCOVERED WITH LANDSAT IMAGES [NASA RELEASE-89-32] P89-10032 06

LANGLEY RESEARCH CENTER, HAMPTON, VA.

SA AIRCRAFT LANDING DYNAMICS FACILITY, LARC SA SATELLITE DATA ANALYSIS CENTER, LARC EFFECTS OF CLOUDS ON CLIMATE MEASURED BY NASA PROJECT [NASA RELEASE-89-14] P89-10014 06

NASA SELECTS SCIENCE EXPERIMENTS FOR FREEDOM PROGRAM [NASA RELEASE-89-69] P89-10069 06

NASA CELEBRATES FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT [NASA RELEASE-89-92] P89-10092 06

LANGLEY RESEARCH CENTER WIND TUNNEL MISHAP STUDY REPORT RELEASED [NASA RELEASE-89-114] P89-10114 06

NASA EXHIBIT AT EAA FOCUSES ON 'INVESTING IN THE FUTURE' [NASA RELEASE-89-116] P89-10116 06

NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE [NASA RELEASE-89-122] P89-10122 06

NASA PARTICIPATES IN FIRST 'AIRSHOW CANADA' [NASA RELEASE-89-130] P89-10130 06

NASA CONTRACTS AIM AT BREAKTHROUGHS IN AIRCRAFT COMPOSITE STRUCTURES [NASA RELEASE-89-135] P89-10135 06

NASA AIRCRAFT TAKEOFF MONITOR SYSTEM MAY ENHANCE FLIGHT SAFETY [NASA RELEASE-89-187] P89-10187 06

SPACE EXPOSED TOMATO SEEDS ARE COMING HOME [NASA RELEASE-89-174] P89-10174 06

RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS [NASA RELEASE-89-175] P89-10175 06

LARC

S LANGLEY RESEARCH CENTER, HAMPTON, VA.

LARGE SPACE TELESCOPE

S HUBBLE SPACE TELESCOPE

LASER ATMOSPHERIC WIND SOUNDER NASA ANNOUNCES EARTH-OBSERVATION SYSTEM INVESTIGATIONS [NASA RELEASE-89-15] P89-10015 06

GLOBE EXPERIMENT MEASURES WIND VELOCITY, DIRECTION [NASA RELEASE-89-177] P89-10177 06

LASER COMMUNICATIONS

NASA SELECTS SPACE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06

LASER RANGING

APOLLO-11 LUNAR EXPERIMENT STILL USEFUL AFTER 20 YEARS [NASA RELEASE-89-119] P89-10119 06

LASER/LIGHT DETECTION AND RANGING

S OPTICAL RADAR
NASA POLAR ORBITING PLATFORM
NASA EXCELLENCE AWARD
NASA ADVISORY COUNCIL
MUSCULOSKELETAL SYSTEM
MSAT-X
MORTON THIOKOL, INC.
MOONs
MOJAVE, CALIF.
NASA AND NOAA SEND VLBI TO STUDY CALIFORNIA EARTHQUAKE MOVEMENT [NASA RELEASE-89-164] P89-10164 06
MOJAVE DESSERT, CALIF.
NEW EARTHQUAKE FAULTS DISCOVERED WITH LANDSAT IMAGES [NASA RELEASE-89-33] P89-10033 06
MONTREAL UNIV., QUEBEC
ASTRONOMERS DISCOVER ACTIVE STELLAR CORONAE [NASA RELEASE-89-3] P89-10003 06
MORMON THIOKOL, INC.
FINANCING ARRANGED FOR AMMONIUM PERCHLORATE PLANT [NASA RELEASE-89-40] P89-10040 06
MORMON THIOKOL, INC., BRIGHAM CITY, UTAH
SPACE SHUTTLE SOLID ROCKET MOTOR SLATED FOR FINAL TEST FIRING [NASA RELEASE-89-2] P89-10002 06
NASA SELECTS CONTRACTOR TO DEVELOP ADVANCED SOLID ROCKET MOTOR [NASA RELEASE-89-57] P89-10057 06
MOTION SICKNESS
PRIVATE MEDICAL CONSULTATIONS TO BECOME SPACE FLIGHT ROUTINE [NASA RELEASE-89-191] P89-10161 06
MSAT-X
S MOBILE SATELLITE TECHNOLOGY EXPERIMENT
MSCF
S MARSHALL SPACE FLIGHT CENTER, ALA.
MUSCULAR FUNCTION
COSMOS MISSION RESULTS AND FUTURE U.S./USSR MISSIONS ANNOUNCED [NASA RELEASE-89-18] P89-10018 06
MUSCULOSKELETAL SYSTEM
SA BONES
N
NASA ADVISORY COUNCIL
THE YEAR IN REVIEW - 1989 [NASA RELEASE-89-182] P89-10183 06
NASA ALUMNI LEAGUE
NASA PROGRAMS GENERATE MORE THAN 300,000 JOBS, STUDY SHOWS [NASA RELEASE-89-94] P89-10094 06
NASA EXCELLENCE AWARD
S EXCELLENCE AWARD, NASA
NASA HIGH ALPHA PROGRAM
S HIGH ALPHA PROGRAM
NASA POLAR ORBITING PLATFORM
S SPACE STATION POLAR PLATFORM
NASA/UNIVERSITY JOINT VENTURE INITIATIVE
S JOINT VENTURE PROGRAM /JOVE/
PARTICLES
S AEROSOLS
S SPACE PLASMAS

PATHFINDER PROJECT
NASA EXHIBIT AT EAA FOCUSES ON ‘INVESTING
IN THE FUTURE’
[NASA RELEASE-89-116] P89-10116 06

EXCEPTS FROM REMARKS PREPARED FOR DELIVERY:
BRIEFING FOR CEOs OF NASA MAJOR
CONTRACTOR COMPANIES, NASA HEADQUARTERS
[NASA RELEASE-89-103] P89-10103 05

PAYLOAD ACCOMMODATIONS
THIRD TRACKING AND DATA RELAY SATELLITE TO BE
DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06

PAYLOAD SPECIALISTS
NASA SELECTS PAYLOAD SPECIALISTS FOR
SPACELAB MISSION
[NASA RELEASE-89-4] P89-10004 06

SPACE SHUTTLE CREW MEMBERS NAMED TO DOD,
LIFE SCIENCES MISSIONS
[NASA RELEASE-89-24] P89-10024 06

ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE
MISSIONS
[NASA RELEASE-89-154] P89-10154 06

NASA APPOINTS SPACELAB PAYLOAD
SPECIALISTS
[NASA RELEASE-89-169] P89-10169 06

SYNCOM V DEPLOY, LDEF RETRIEVAL HIGHLIGHT
10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

PAYLOADS
S SPACE SHUTTLE PAYLOADS
S X-RAY ASTROPHYSICS FACILITY
Pennsylvania State University
NASA ANNOUNCES COLLABORATIVE RESEARCH
PROJECT WITH GENENECH
[NASA RELEASE-89-138] P89-10138 06

People’s Republic of China
Chinese Artifak Provides Clue to Earth’s
Rotation
[NASA RELEASE-89-90] P89-10090 06

Performance
S Aircraft Performance

Personnel
SA Astronauts
SA Pilots
SA Spacecrews
NASA ANNOUNCES PROGRAM FOR A DRUG-FREE
WORKPLACE
[NASA RELEASE-89-11] P89-10011 06

Personnel Appointments
Robinson Named NASA Associate Administrator
for Management
[NASA RELEASE-89-1] P89-10001 06

NASA AND NIH APPOINT INTERAGENCY WORKING
GROUP MEMBERS
[NASA RELEASE-89-10] P89-10010 06

Ballhaus Returns to Ames Research Center
[NASA RELEASE-89-12] P89-10012 06

NASA Administrator Fletcher Resigns
[NASA RELEASE-89-36] P89-10036 06

Rosen Named Acting Associate Administrator
[NASA RELEASE-89-41] P89-10041 06

Truly Selects Keller as Associate Deputy Administrator
[NASA RELEASE-89-75] P89-10075 06

Space Station Program Leadership
Selected by Truly
[NASA RELEASE-89-72] P89-10072 06

Brodwell to Manage Shuttle Projects
Office at Marshall
[NASA RELEASE-89-78] P89-10078 06

Smith Appointed Deputy Director, NASA
Space Station Center
[NASA RELEASE-89-85] P89-10085 06

Al Diaz Selected as Deputy Associate Administrator
for Science
[NASA RELEASE-89-87] P89-10087 06

HARTSFIELD TO HEAD SPACE FLIGHT/SPACE
STATION INTEGRATION OFFICE
[NASA RELEASE-89-88] P89-10088 06

Lee Appointed Director of Marshall Space
Flight Center
[NASA RELEASE-89-108] P89-10108 06

Truly Assigns JSC’s Cohens to Lead NASA
Preparation for New Civil Space Goals
[NASA RELEASE-89-125] P89-10125 06

O’Brian Returns to NASA as Assistant
Deputy Administrator
[NASA RELEASE-89-126] P89-10126 06

Jerry J. Ryts Appointed Deputy Associate
Administrator of OSO
[NASA RELEASE-89-147] P89-10147 06

Moorehead Named Space Station Freedom
Program Deputy
[NASA RELEASE-89-155] P89-10155 06

Albright Named Associate Administrator for
Aeronautics and Space Technology;
Crippen to Head Shuttle Program
[NASA RELEASE-89-162] P89-10162 06

NASA Appoints Spacelab Payload
Specialists
[NASA RELEASE-89-169] P89-10169 06

Compton Names Ames Research Center
Director
[NASA RELEASE-89-182] P89-10182 06

NASA to Combine Exploration and
Technology Organizations
[NASA RELEASE-89-185] P89-10185 06

Personnel Resignations
NASA Administrator Fletcher Resigns
[NASA RELEASE-89-36] P89-10036 06

Astronaut Hauck Departing NASA for Navy
Post at Pentagon
[NASA RELEASE-89-39] P89-10039 06

Acting NASA Administrator to Resign
[NASA RELEASE-89-49] P89-10049 06

Associate Deputy Administrator Hinnors to
Resign
[NASA RELEASE-89-60] P89-10060 06

Odom Announces Retirement from NASA
[NASA RELEASE-89-61] P89-10061 06

Moffice to Leave NASA; Brand Named
Commander of STS-35
[NASA RELEASE-89-62] P89-10062 06

Mosier to Leave NASA May 13
[NASA RELEASE-89-72] P89-10072 06

Astronaut Pinky Nelson to Leave NASA
[NASA RELEASE-89-89] P89-10089 06

Tanner to Leave NASA
[NASA RELEASE-89-103] P89-10103 06

Ballhaus Resigns as Director of NASA’s
Astronauts Research Center
[NASA RELEASE-89-111] P89-10111 06

Personnel Selection
NASA Selects Payload Specialists for
Spacelab Mission
[NASA RELEASE-89-4] P89-10004 06

Space Shuttle Crew Members Named to DOD,
Life Sciences Missions
[NASA RELEASE-89-24] P89-10024 06

Astronauts Named for Two Space Science
Missions
[NASA RELEASE-89-44] P89-10044 06

Deadline Set for Next Astronaut
Selection
[NASA RELEASE-89-50] P89-10050 06

Astronauts Named for Two DOD Missions
Scheduled for 1990
[NASA RELEASE-89-71] P89-10071 06

NASA Space Shuttle Crew Assignments
Announced
[NASA RELEASE-89-106] P89-10106 06

First Group of Prospective Astronauts to
Arrive at JSC
[NASA RELEASE-89-143] P89-10143 06
SPACE SHUTTLE MISSIONS

NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE

SPACE SHUTTLE OPERATIONS

NASA ISSUES UPDATED MIXED FLEET MANIFEST

NASA SEEKS SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS

THE YEAR IN REVIEW - 1989

NASA SELECTS FLIGHT TELEROBOTIC SERVICER DEVELOPMENT CONTRACTOR

NASA SEeks SPACE STATION CREW RETURN VEHICLE PROPOSALS

NASA ANNOUNCES EARTH OBSERVATION SYSTEM INVESTIGATIONS

NASA ANNOUNCES EARTH OBSERVATION SYSTEM INVESTIGATIONS

SPACE SHUTTLE ORBITERS

SPACE SHUTTLE PAYLOADS

SPACE SHUTTLE PROGRAM OFFICE, NASA

NASA SELECTS ATMOSPHERIC SOUNDER FOR EOS SPACE PLATFORM

NASA SELECTS ATMOSPHERIC SOUNDER FOR EOS SPACE PLATFORM

NASA SEeks SPACE STATION CREW RETURN VEHICLE PROPOSALS

NASA SELECTS X-RAY ASTROPHYSICS FACILITY FOR SPACE STATION PROGRAM

NASA SELECTS X-RAY ASTROPHYSICS FACILITY FOR SPACE STATION PROGRAM

NASA SELECTS X-RAY ASTROPHYSICS FACILITY FOR SPACE STATION PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM

NASA’S SELECTS SCIENTIFIC EXPERIMENTS FOR SPACE STATION FREEDOM PROGRAM
SUBJECT INDEX

SHUTTLE-C USERS' CONFERENCE SLATED FOR MAY 25-26 [NASA RELEASE-89-38] P89-10008 06
HARRIS CORP. SELECTED TO NEGOTIATE MAJOR KSC COMPUTER UPGRADE [NASA RELEASE-89-51] P89-10051 06
BRIDWELL TO MANAGE SHUTTLE PROJECTS OFFICE AT MARSHALL [NASA RELEASE-89-78] P89-10076 06
CONTRACTORS SELECTED FOR ADVANCED LAUNCH SYSTEM STUDIES [NASA RELEASE-89-99] P89-10099 06
BENSON, MARTIN-MARIETTA TO STUDY SPACE TRANSFER VEHICLE CONCEPTS [NASA RELEASE-89-107] P89-10107 06
NASA SEeks SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS [NASA RELEASE-89-157] P89-10157 06
SPACEBORNE EXPERIMENTS NASA CALLS FOR PROPOSALS REGARDING REUSABLE REENTRY SATELLITE [NASA RELEASE-89-6] P89-10006 06
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06
NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT [NASA RELEASE-89-113] P89-10113 06
SPACEBARGE PHOTOGRAPHY DISCOVERY'S RETURN-TO-FLIGHT PHOTOGRAPHS RECORD MANY FIRSTS [NASA RELEASE-89-31] P89-10031 06
SPACEBORNE TELESCOPES S HUBBLE SPACE TELESCOPE S JUE /INTERNATIONAL ULTRAVIOLET EXPLORER/ S X-RAY ASTROPHYSICS FACILITY
U.S./SOVIET SPACEBRIDGE PROJECT EXTENDED TO ASSIST VICTIM TRAINS [NASA RELEASE-89-91] P89-10095 06
SPACECRAFT S AEROSPACE PLANES S FERRY SPACECRAFT S ORBIT TRANSFER VEHICLES S SPACE SHUTTLE ORBITERS S SPACE SHUTTLES S SPACE TRANSFER VEHICLES S VOYAGER SPACECRAFT
SPACECRAFT COMMUNICATIONS NEW SYSTEM USEs ARTIFICIAL INTELLIGENCE TO MONITOR SPACECRAFT [NASA RELEASE-89-129] P89-10129 06
INTELSAT SELECTED FOR USE OF TDRS C-BAND [NASA RELEASE-89-137] P89-10137 06
PRIVATE MEDICAL CONSULTATIONS TO BECOME SPACE FLIGHT ROUTINE [NASA RELEASE-89-161] P89-10161 06
SPACECRAFT DESIGN S SATELLITE DESIGN NASA SELECTS UNIVERSITIES FOR ADVANCED ENGINEERING DESIGN GRANTS [NASA RELEASE-89-84] P89-10094 06
SPACECRAFT INSTRUMENTS S SATELLITE INSTRUMENTS
SPACECRAFT LAUNCHING S STS-29 COUNCETOWN DEMONSTRATION TEST SCHEDULED FOR FEB. 7 [NASA RELEASE-89-133] P89-10133 06
SPACECRAFT RECOVERY NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE [NASA RELEASE-89-72] P89-10072 06
NASA ISSUES UPDATED MIXED FLEET MANIFEST [NASA RELEASE-89-80] P89-10080 06
SPACECRAFT TRACKING ANTENNA IN JAPAN TO AID VOYAGER'S RADIO SCIENCE STUDY OF NEPTUNE [NASA RELEASE-89-133] P89-10133 06
SPACECREWS S STS-29 COUNCETOWN DEMONSTRATION TEST SCHEDULED FOR FEB. 7 [NASA RELEASE-89-133] P89-10133 06
DEADLINE SET FOR NEXT ASTRONAUT SELECTION [NASA RELEASE-89-50] P89-10050 06
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC [NASA RELEASE-89-143] P89-10143 06
SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC [NASA RELEASE-89-153] P89-10153 06
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS [NASA RELEASE-89-154] P89-10154 06
NASA SEeks SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS [NASA RELEASE-89-157] P89-10157 06
PRIVATE MEDICAL CONSULTATIONS TO BECOME SPACE FLIGHT ROUTINE [NASA RELEASE-89-161] P89-10161 06
SYNCIM IV DEPLOY, LOFEL RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT [NASA RELEASE-89-180] P89-10180 06
SPACEHAB NASA ISSUES UPDATED MIXED FLEET MANIFEST [NASA RELEASE-89-93] P89-10093 06
SPACELAB NASA SELECTS PAYLOAD SPECIALISTS FOR SPACELAB MISSION [NASA RELEASE-89-4] P89-10004 06
SPACELAB J MISSION NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS [NASA RELEASE-89-169] P89-10169 06
SPACELAB LIFE SCIENCES 1 ASTRONAUTS NAMED FOR TWO SPACE SCIENCE MISSIONS [NASA RELEASE-89-64] P89-10044 06
NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS [NASA RELEASE-89-169] P89-10169 06
SPACELAB MISSION D-1 NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT [NASA RELEASE-89-113] P89-10113 06
SPACELAB MISSION D-2 NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT [NASA RELEASE-89-113] P89-10113 06
SPACELAB MISSION D-3 NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT [NASA RELEASE-89-113] P89-10113 06
SPECTROMETERS S HIGH RESOLUTION IMAGING SPECTROMETER S INFRARED SPECTROMETER
NASA SELECTs SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06
SPECTROPHOTOMETERS NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-158] P89-10158 06
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06
SPECTROSCOPY S ASTRONOMICAL SPECTROSCOPY
STATIONS S GROUND STATIONS S TRACKING STATIONS STELLAR ENVELOPES ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSES [NASA RELEASE-89-3] P89-10003 06
STELLAR EVOLUTION ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSES [NASA RELEASE-89-3] P89-10003 06
STELLAR SPECTRA PIONEERS MAKE FIRST MEASUREMENTS OF INTERSTELLAR LIGHT [NASA RELEASE-89-186] P89-10186 06
STENNIS SPACE CENTER, MISS. ENVIRONMENTAL IMPACT STATEMENT FOR ASRM ISSUED [NASA RELEASE-89-37] P89-10037 06
NASA SELECTS CONTRACTOR TO DEVELOP ADVANCED SOLID ROCKET MOTOR [NASA RELEASE-89-57] P89-10057 06
SMITH APPOINTED DEPUTY DIRECTOR, NASA STENNIS SPACE CENTER [NASA RELEASE-89-85] P89-10085 06
CONTRACTOR CHOSEN FOR STENNIS FACILITY OPERATING SUPPORT SERVICES [NASA RELEASE-89-98] P89-10098 06
STUDY SHOWS COMMON PLANTS HELP REDUCE INDOOR AIR POLLUTION [NASA RELEASE-89-149] P89-10149 06
STIRLING ENGINE NASA LEWIS AWARDS CONTRACTS FOR ADVANCED POWER SYSTEM [NASA RELEASE-89-42] P89-10042 06
STIRLING TECHNOLOGY CO., RICHLAND, WASH. NASA LEWIS AWARDS CONTRACTS FOR ADVANCED POWER SYSTEM [NASA RELEASE-89-42] P89-10042 06
STORMS S STORMS /METEOROLOGY/ S STORMS /METEOROLOGY/ NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE [NASA RELEASE-89-122] P89-10122 06
STOVL AIRCRAFT U.S./UK ASTOV, PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS [NASA RELEASE-89-18] P89-10018 06
STS-26 DISCOVERY'S RETURN-TO-FLIGHT PHOTOGRAPHS RECORD MANY FIRSTS [NASA RELEASE-89-31] P89-10031 06

A-29
A-30
ULYSSES MISSION

U.S. launches most ambitious space science period.

[NASA RELEASE-89-83] P89-10062 06

UNIFORMED SERV. UNIV. OF THE HEALTH SCI.

U.S./USSR to implement medical communications satellite link.

[NASA RELEASE-89-98] P89-10028 06


[NASA RELEASE-89-83] P89-10083 06

U.S./USSR spacebridge project extended to assist train victims.

[NASA RELEASE-89-95] P89-10095 06

UNITED AIRCRAFT CORP.

S. Pratt and Whitney aircraft.

UNITED KINGDOM

U.S./UK partners announce aircraft technology study results.

[NASA RELEASE-89-16] P89-10016 06

NASA aircraft to support international global ocean study.

[NASA RELEASE-89-53] P89-10053 06

UNITED STATES SPACE FOUNDATION

Excerpts from remarks prepared for delivery: U.S. space foundations' fifth national space symposium; Colorado Springs, Colorado.

P89-10197 05

UNITED TECHNOLOGIES CORP.

Contracts awarded for advanced launch system advanced development propulsion.

[NASA RELEASE-89-27] P89-10027 06

UNIVERSITIES

NASA awards grants for future explorations studies.

[NASA RELEASE-89-118] P89-10118 06

Contracts aimed at breakthroughs in aircraft composite structures.

[NASA RELEASE-89-135] P89-10135 06

UNIVERSITIES SPACE RESEARCH ASSOC.

NASA selects universities for advanced engineering design grants.

[NASA RELEASE-89-84] P89-10084 06

NASA scientists identify molecular structure of blood protein.

[NASA RELEASE-89-97] P89-10097 06

UNIVERSITY ADVANCED DESIGN PROGRAM

NASA selects universities for advanced engineering design grants.

[NASA RELEASE-89-88] P89-10088 06

UNIVERSITY COLLEGE, LONDON, ENGLAND

Artificial clouds to be visible in Canada and U.S.

[NASA RELEASE-89-30] P89-10030 06

UNIVERSITY PROGRAMS

SA joint venture program /JOVE/ SA university advanced design program.

[NASA RELEASE-89-139] P89-10139 06

NASA designates 17 space grant colleges/consortia.

[NASA RELEASE-89-136] P89-10136 06

NASA designates 4 additional space grant colleges/consortia.

[NASA RELEASE-89-184] P89-10184 06

UNMANNED SPACE FLIGHT PROGRAM

S. Voyager project.

[NASA RELEASE-89-112] P89-10112 06

UPPER ATMOSPHERE

NASA, Canadians to fly plasma experiment on CMX mission.

[NASA RELEASE-89-112] P89-10112 06

UPPER ATMOSPHERE RESEARCH SATELLITE


P89-10188 05

Excerpts from remarks prepared for delivery: International space year public information conference for commerce and industry, Washington, D.C.

P89-10190 05

URALUS /PLANET/

Voyager discovers 3 additional moons around Neptune.

[NASA RELEASE-89-128] P89-10128 06

VOYAGER 2 ENCOUNTER OF NEPTUNE

[NASA RELEASE-89-131] P89-10131 06

USML-1

S. Microgravity laboratory-1 /USML-1/.

[NASA RELEASE-89-46] P89-10046 06

USRA

S. Universities space research associ.

USDA TRACTING STATION, JAPAN

Voyager 2 encounter of Neptune.

[NASA RELEASE-89-131] P89-10131 06

Antenna in Japan to aid Voyager's radio science study of Neptune.

[NASA RELEASE-89-133] P89-10133 06

UTAH STATE UNIV.

Multi-colored, artificial cloud to be visible along east coast.

[NASA RELEASE-89-55] P89-10055 06

UTAH UNIV., SALT LAKE CITY

U.S./USSR to implement medical communications satellite link.

[NASA RELEASE-89-29] P89-10029 06


[NASA RELEASE-89-83] P89-10083 06

U.S./USSR spacebridge project extended to assist train victims.

[NASA RELEASE-89-95] P89-10095 06

VALVE TECHNOLOGY

Findings released on orbiter processing facility water mishap.

[NASA RELEASE-89-173] P89-10173 06

VANDENBERG AFB, CALIF.

NASA spacecraft to look out into space, back in time.

[NASA RELEASE-89-158] P89-10158 06

NASA spacecraft to look out into space, back in time.

[NASA RELEASE-89-172] P89-10172 06

VANDERBILT UNIV., NASHVILLE, TENN.

NASA opens its data bases to stimulate student science/engineering.

[NASA RELEASE-89-148] P89-10148 06

VEGETATION

NASA to study how vegetation influences weather, climate.

[NASA RELEASE-89-124] P89-10124 06

VEHICLES

S. Launch vehicles.

VELOCITY

S. Wind velocity.

VENUS PLANET

New system uses artificial intelligence to monitor spacecraft.

[NASA RELEASE-89-129] P89-10129 06

VENUS EXPLORATION

SA major plan mission.

[NASA RELEASE-89-151] P89-10151 06

VENUS RADAR MAPPING

Multi-colored, artificial cloud to be visible along east coast.

[NASA RELEASE-89-55] P89-10055 06

VENUS SURFACE

Space shuttle to deploy Magellan planetary science mission.

[NASA RELEASE-89-46] P89-10046 06

VERY LONG BASELINE INTERFEROMETRY

NASA and NOAA send VLBI to study California earthquake movement.

[NASA RELEASE-89-164] P89-10164 06

Mobile VLBI units measure movement from Loma Prieta earthquake.

[NASA RELEASE-89-170] P89-10170 06

VIDEO TAPE

Apollo 11 crew 20th anniversary press conference scheduled.

[NASA RELEASE-89-67] P89-10067 06

WALLOPS FLIGHT FACILITY, VA.

Artificial clouds to be visible in Canada and U.S.

[NASA RELEASE-89-30] P89-10030 06

NASA aircraft to support international ocean study.

[NASA RELEASE-89-33] P89-10033 06

Multi-colored, artificial cloud to be visible along east coast.

[NASA RELEASE-89-55] P89-10055 06

NASA, Amroc agree to critical chemical exchange.

[NASA RELEASE-89-92] P89-10092 06

NASA studies heavy rain effects on aircraft performance.

[NASA RELEASE-89-122] P89-10122 06

NASA spacecraft to look out into space, back in time.

[NASA RELEASE-89-172] P89-10172 06

WARNING SYSTEMS

NASA aircraft takeoff monitor system may enhance flight safety.

[NASA RELEASE-89-167] P89-10167 06

VIRGINIA POLYTECHNIC INST., BLACKSBURG

Virginia tech students build mockup of national aero-space plane.

[NASA RELEASE-89-46] P89-10046 06

VISION AIDS

Image processing to relieve vision problems.

[NASA RELEASE-89-5] P89-10005 06

VISALYTEK, INC., SANTA MONICA, CALIF.

Image processing to relieve vision problems.

[NASA RELEASE-89-5] P89-10005 06

VLBI

S. Very long baseline interferometry.

VOLCANOLOGY

U.S./USSR earth sciences group identify areas of cooperation.

[NASA RELEASE-89-123] P89-10123 06

VORTEX BREAKDOWN

Truck aerodynamic device could lead to major fuel savings.

[NASA RELEASE-89-117] P89-10117 06

VOYAGER PROJECT

NASA's Voyager 2 finds new moon around Neptune.

[NASA RELEASE-89-110] P89-10110 06

VOYAGER 2 ENCOUNTER OF NEPTUNE

[NASA RELEASE-89-131] P89-10131 06

VOYAGER SPACECRAFT

Voyager discovers 3 additional moons around Neptune.

[NASA RELEASE-89-128] P89-10128 06

New system uses artificial intelligence to monitor spacecraft.

[NASA RELEASE-89-129] P89-10129 06

Two partial rings of Neptune discovered by Voyager spacecraft.

[NASA RELEASE-89-132] P89-10132 06

Antenna in Japan to aid Voyager's radio science study of Neptune.

[NASA RELEASE-89-133] P89-10133 06

Voyager spacecraft detects radio emissions from Neptune.

[NASA RELEASE-89-134] P89-10134 06

Planetary exploration featured in next satellite video conference.

[NASA RELEASE-89-144] P89-10144 06

Geyser-like plume discovered on Neptune's moon Triton.

[NASA RELEASE-89-156] P89-10156 06

The year in review - 1989.

[NASA RELEASE-89-195] P89-10195 06

Excerpts from remarks prepared for delivery: Briefing for CEOs of NASA major contractor companies.

[NASA HEADQUARTERS] P89-10193 05

SUBJECT INDEX
INDEX TO NASA NEWS RELEASES AND SPEECHES 1989

PERSONAL NAMES INDEX

A

ABBASCHIAN, G. J. NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06

ABBEY, GEORGE W. THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

ADAMS, JAMES C. SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06

ALDRICH, ARNOLD D. SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

ALDRICH, MARK E. THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

ALDRICH, RALPH NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

ALGHERE, ROBERTO NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06

ALMACOVICH, JOSEPH NASA THERMAL CONTROL EXPERIMENT [NASA RELEASE-89-216] P89-10216 06

ALKATHIRI, MANSIK NASA RL-82 TEST SERIES AT THE MICHIGAN MLF [NASA RELEASE-89-141] P89-10141 06

ALMIGHTY, JESUS CHRIST NASA ANNOUNCES FIRST HUMAN SPACE EXPLORATION [NASA RELEASE-89-104] P89-10104 06


ALMQVIST, MARK E. NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

ALOST, BOBBY NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06

AMS, ROBERT G. NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06


ARMSHAW, JAMES NASA RL-82 TEST SERIES AT THE MICHIGAN MLF [NASA RELEASE-89-141] P89-10141 06


B

ABBEY, GEORGE W. APOLLO 11 CREW 20TH ANNIVERSARY PRESS CONFERENCE SCHEDULED [NASA RELEASE-89-67] P89-10067 06

ABBEY, GEORGE W. NASA TO FEATURE HUBBLE SPACE TELESCOPE AT PARIS AIR SHOW [NASA RELEASE-89-76] P89-10076 06

ABBEY, GEORGE W. EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: NATIONAL SPACE OUTLOOK CONFERENCE; TYSON'S CORNER, VA. P89-10189 05

BAGIAN, JAMES P.
STS-29 COUNTERDEMONSTRATION TEST SCHEDULED FOR FEB 7
[NASA RELEASE-89-13] P89-10013 06
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-44] P89-10044 06
SYNCOM IV DEPLOY, LDREF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

BAKER, WILLIAM J.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

BARKEN, LAWRENCE M.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

BARTHOLOMEW, ROBERT E.
NASA SPACE SHUTTLE CREW MEMBERS NAMED TO DOO, LIFE SCIENCES MISSIONS
[NASA RELEASE-89-24] P89-10024 06

BASKIN, JULIAN P.
NASA SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-89-106] P89-10106 06
THE YEAR IN REVIEW - 1989
[NASA RELEASE-89-183] P89-10183 06

BAUMGART, NATHAN
NASA/JPL PILOT WEARS LIFE VEST DURING 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

BAYZICK, ROBERT J.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-13] P89-1013 06

BECKER, JOHN V.
NASA CLEARS FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT
[NASA RELEASE-89-92] P89-10092 06

BECKHAM, BURL
NASA TO LAUNCH NAVY COMMUNICATIONS SATELLITE
[NASA RELEASE-89-145] P89-10145 06

BECKHAM, WILLIE
SYNCOM IV DEPLOY, LDREF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

BELCHER, JOHN
VOYAGER 2 ENCOUNTER OF NEPTUNE
[NASA RELEASE-89-131] P89-10131 06

BELTON, MARK
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER
[NASA RELEASE-89-151] P89-10151 06

BENNITT, CHARLES L.
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

BERKSTEIN, BARBARA
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

BERNHARD, RANDALL
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

BESSENYEI, JOHN
NASA SPACE SHUTTLE CREW MEMBERS TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-44] P89-10044 06
SYNCOM IV DEPLOY, LDREF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

BIBBLE, PAUL
NASA SELECTS FLIGHT OF PROSPEROUS ASTRONAUTS TO ARRIVE AT JSC
[NASA RELEASE-89-143] P89-10143 06

BHASIN, KUL B.
MILESTONE REACHED IN SUPERCONDUCTIVITY
[NASA RELEASE-89-127] P89-10127 06

BKEV, JOHN E.
ST-S2 COUNTDOWN DEMONSTRATION TEST SCHEDULED FOR FEB 7
[NASA RELEASE-89-13] P89-10013 06
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-44] P89-10044 06
SYNCOM IV DEPLOY, LDREF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

BILINSKI, ALAN
TRUCK AERODYNAMIC DEVICE COULD LEAD TO MAJOR FUEL SAVINGS
[NASA RELEASE-89-171] P89-10171 06

BINGHAM, BRUCE
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

BOKOS, JOSEPH H.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-146] P89-10146 06

BIVENS, LYLE
NASA AND NIH APPOINT INTERAGENCY WORKING GROUP MEMBERS
[NASA RELEASE-89-10] P89-10010 06

BLAKE, JOHN E.
NASA RELEASE-89-13] P89-10013 06
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06
ASTRONAUTS NAMED FOR TWO SPACE SCIENCE MISSIONS
[NASA RELEASE-89-44] P89-10044 06
NASA SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-89-106] P89-10106 06
THE YEAR IN REVIEW - 1989
[NASA RELEASE-89-183] P89-10183 06

BLAKESLEE, RICHARD
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06
GATLIN, DON
RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-175] P89-10175 06

GEMAR, CHARLES D.
ASTRONAUTS NAMED TO TWO DOD MISSIONS SCHEDULED FOR 1990
[NASA RELEASE-89-71] P89-10071 06

GERMAN, RANDALL M.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-105] P89-10105 06

GERMANY, DANIEL M.
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-180] P89-10180 06

GERNERT, KIM M.
NASA SCIENCES IDENTIFY MOLECULAR STRUCTURE OF BLOOD PROTEIN
[NASA RELEASE-89-97] P89-10097 06

GERPHEIDE, JOHN H.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

GERTNER, EDWARD R.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-105] P89-10105 06

GIACCONI, RICCARDO
SCIENCE OBSERVATIONS SELECTED FOR NASA HUBBLE SPACE TELESCOPE
[NASA RELEASE-89-121] P89-10121 06

GIBB, J. W.
NASA TO LAUNCH NAVY COMMUNICATIONS SATELLITE
[NASA RELEASE-89-145] P89-10145 06

GIBERSON, GENE
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARDS JUPITER
[NASA RELEASE-89-151] P89-10151 06

GIBSON, ROBERT L.
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06

GIERASCH, P.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARDS JUPITER
[NASA RELEASE-89-151] P89-10151 06

GILBERT, RAY L.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-104] P89-10104 06

GILDEON, RONALD
RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
[NASA RELEASE-89-175] P89-10175 06

GIBSON, ROBERT L.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-105] P89-10105 06

GOLDSTEIN, MURRAY
NASA AND NIH APPOINT INTERAGENCY WORKING GROUP MEMBERS
[NASA RELEASE-89-10] P89-10010 06

GORE, ALBERT, JR.
STUDENT FINALISTS TO PRESENT SPACE STATION PROPOSALS
[NASA RELEASE-89-140] P89-10140 06

GORENSTEIN, PAUL
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

GRABE, RONALD J.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

GRACE, LANCE C.
SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC
[NASA RELEASE-89-153] P89-10153 06

GRAHAM, WILLIAM
SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC
[NASA RELEASE-89-153] P89-10153 06

GREEN, RICHARD
ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE
[NASA RELEASE-89-3] P89-10003 06

GREGORY, FREDERICK D.
NASA SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-89-106] P89-10106 06

GRIFFITH, DOUGLAS G.
VOYAGER 2 ENCOUNTER OF NEPTUNE
[NASA RELEASE-89-131] P89-10131 06

GRINDLAY, JONATHAN E.
NASA RELEASE-69-104

GROSS, ALBERT, JR.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HARLAN, CHARLES S.
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06

GURVITT, DONALD
VOYAGER 2 ENCOUNTER OF NEPTUNE
[NASA RELEASE-89-131] P89-10131 06

HANES, WILLIAM
NASA SELECTED SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HANSEN, J.
NASA HEADS HYDROGEN FUEL TECHNOLOGY EFFORT FOR AERO-SPACE PLANE
[NASA RELEASE-89-180] P89-10180 06

HARRISON, M.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HARRISON, D.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HARRISON, W.
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC
[NASA RELEASE-89-143] P89-10143 06

HAYES, JAMES A.
National Science Foundation Announces Science Competition
[NASA RELEASE-89-108] P89-10108 06

EDWARD, R.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
[NASA RELEASE-89-105] P89-10105 06

HENDRICK, LINDA
FINDINGS RELEASED ON ORBITER PROCESSING FACILITY MISHAP
[NASA RELEASE-89-173] P89-10173 06

HILLSTEAD, THORA
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

HINES, RICHARD
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06

HOBBS, J.
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

HOLLAND, PAUL
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

HOGAN, D.
NASA RELEASE-89-146

HOGAN, R.
NASA RELEASE-89-146

HOLDEN, ROBERT L.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

HOLM, W.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HAMILTON, J.
NASA TO LAUNCH NAVY COMMUNICATIONS SATELLITE
[NASA RELEASE-89-145] P89-10145 06

HANSEN, J.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARDS JUPITER
[NASA RELEASE-89-151] P89-10151 06

HARRINGTON, GREGORY J.
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06

HANUSSE, J.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARDS JUPITER
[NASA RELEASE-89-151] P89-10151 06

HARGRAVE, GREGORY J.
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06

HARRISON, W.
NASA RELEASE-69-104

HARRISON, D.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

HIBBS, J.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06
HARRIS, BERNARD A., JR.

SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT [NASA RELEASE-89-180] P89-10180 06

HARRIS, BERNARD A., JR.
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC [NASA RELEASE-89-143] P89-10143 06

HARRIS, DALE W.
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

HARRISON, EDWIN F.
EFFECTS OF CLOUDS ON CLIMATE MEASURED BY NASA PROJECT [NASA RELEASE-89-14] P89-10014 06

HARTSFIELD, HENRY WARREN, JR.
HARTSFIELD TO HEAD SPACE FLIGHT/SPACE STATION INTEGRATION OFFICE [NASA RELEASE-88-98] P89-10088 06

HAUCK, FREDERICK H.
ASTRONAUT HAUCK DEPARTING NASA FOR NAVY POST AT PENTAGON [NASA RELEASE-89-29] P89-10039 06

HAUSER, MICHAEL G.
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-76] P89-10076 06

HAYNES, NORMAN R.
VOYAGER 2 ENCOUNTER OF NEPTUNE [NASA RELEASE-89-131] P89-10131 06

HE, XIAO-MIN
NASA SCIENTISTS IDENTIFY MOLECULAR STRUCTURE OF BLOOD PROTEIN [NASA RELEASE-89-97] P89-10097 06

HEAD, JAMES W.
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION [NASA RELEASE-89-46] P89-10046 06

HENRIKSEN, DOUGLAS
FINDINGS RELEASED ON ORBITER PROCESSING FACILITY WATER MISHAP [NASA RELEASE-89-179] P89-10173 06

HENSCHEL, CHARLES
FINDINGS RELEASED ON ORBITER PROCESSING FACILITY WATER MISHAP [NASA RELEASE-89-173] P89-10173 06

HENSON, KEITH
SHUTTLE TILE DAMAGE STUDY COMPLETED: 'GO' FOR DISCOVERY FLIGHT [NASA RELEASE-89-25] P89-10025 06

HERMAN, ROBERT
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

HERREN, BLAIR
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT [NASA RELEASE-89-180] P89-10180 06

HERSCHEL, WILLIAM
VOYAGER 2 ENCOUNTER OF NEPTUNE [NASA RELEASE-89-131] P89-10131 06

HETER, JAMES
SHUTTLE TILE DAMAGE STUDY COMPLETED: 'GO' FOR DISCOVERY FLIGHT [NASA RELEASE-89-25] P89-10025 06

HETER, PATRICIA
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

HIEB, RICHARD J.
ASTRONAUTS NAMED TO TWO DOD MISSIONS SCHEDULED FOR 1990 [NASA RELEASE-89-71] P89-10071 06

HILMERS, DAVID C.
SPACE SHUTTLE CREW MEMBERS NAMED TO DOD, LIFE SCIENCES MISSIONS [NASA RELEASE-89-154] P89-10154 06

HILSENRAITH, ERNEST
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

HINE, BUTLER P., III
SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC [NASA RELEASE-89-153] P89-10153 06

HINES, RICHARD H.
U.S. GOVERNMENT REGAINS $19 MILLION FROM AIRCRAFT ENGINE PROGRAM [NASA RELEASE-89-26] P89-10026 06

HINNERS, NOEL W.
ASSOCIATE DEPUTY ADMINISTRATOR HINNERS TO RESIGN [NASA RELEASE-89-60] P89-10060 06

HOFMAN, HELENMARIE
STUDENT FINALISTS TO PRESENT SPACE STATION MISSIONS [NASA RELEASE-89-3] P89-10003 06

HOLCOMB, MICHAELE
ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE [NASA RELEASE-89-3] P89-10003 06

HOLLOWAY, J. L.
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

HOLLOWELL, DAVID E.
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC [NASA RELEASE-89-143] P89-10143 06

HOLT, HENRY
NASA ASTRONOMER DISCOVERS 'NEAR-MISS' ASTEROID THAT PASSED EARTH [NASA RELEASE-89-52] P89-10052 06

HOTEL, EMILY
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

IBEN, I.
ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE [NASA RELEASE-89-3] P89-10003 06

INGERSOLL, A. P.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

ISHMAEL, STEVEN D.
NASA COMPLETES FIRST X-29 FLIGHT RESEARCH, PREPARES FOR SECOND [NASA RELEASE-89-71] P89-10007 06

IVINS, MARSHA S.
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT [NASA RELEASE-89-180] P89-10180 06

HOOG, ROGER
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

HIRD, C.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER [NASA RELEASE-89-151] P89-10151 06

HORNSTEIN, ROBERT M.
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

HUFFENBERGER, JAMES
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME [NASA RELEASE-89-172] P89-10172 06

HUTCHINSON, DOUGLAS
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM [NASA RELEASE-89-104] P89-10104 06

HUGHES-FULFORD, MILLIE
NASA APPOINTS SPACECRAFT PAYLOAD SPECIALISTS [NASA RELEASE-89-168] P89-10169 06

HULLINGER, DONALD
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

HUNTER, CHARLES M.
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29 [NASA RELEASE-89-23] P89-10023 06

HUNTOON, CAROLYN
NASA AND NIH APPOINT INTERAGENCY WORKING GROUP MEMBERS [NASA RELEASE-89-10] P89-10010 06

HUSSEY, T. J.
VOYAGER 2 ENCOUNTER OF NEPTUNE [NASA RELEASE-89-131] P89-10131 06

HYMER, WESLEY C.
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS [NASA RELEASE-89-105] P89-10105 06

ICANN, ADAM
NASA ANNOUNCES COLLABORATIVE RESEARCH PROJECT WITH GENETECH [NASA RELEASE-89-139] P89-10139 06
ACTING NASA ADMINISTRATOR TO RESIGN
[NASA RELEASE-89-49] P89-10049 06

LOGO SELECTED FOR SPACE STATION FREEDOM PROGRAM
[NASA RELEASE-89-88] P89-10068 06

EXCEPTORS FROM REMARKS PREPARED FOR DELIVERY: BRIEFING FOR CEOs OF NASA MAJOR CONTRACTOR COMPANIES; NASA HEADQUARTERS
[NASA RELEASE-89-23] P89-10023 06

EXCEPTORS FROM REMARKS PREPARED FOR DELIVERY: NASA COMMERCIAL PROGRAMS ADVISORY COMMITTEE; WASHINGTON, D.C.
P89-10195 05

EXCEPTORS FROM REMARKS PREPARED FOR DELIVERY: PRESIDENTIAL CLASSROOM FOR YOUNG AMERICANS SEMINAR; WASHINGTON, D.C.
P89-10196 05

REASENBURG, ROBERT D.
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
[NASA RELEASE-89-104] P89-10104 06

RICHARDS, RICHARD N.
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
[NASA RELEASE-89-154] P89-10154 06

THE YEAR IN REVIEW - 1989
[NASA RELEASE-89-183] P89-10183 06

RIEDE, SALLY K.
NASA TO COMBINE EXPLORATION AND TECHNOLOGY ORGANIZATIONS
[NASA RELEASE-89-185] P89-10185 06

EXCEPTORS FROM REMARKS PREPARED FOR DELIVERY: BRIEFING FOR CEOs OF NASA MAJOR CONTRACTOR COMPANIES; NASA HEADQUARTERS

RIESENHUBER, HEINZ
NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT
[NASA RELEASE-89-113] P89-10113 06

ROBINS, C. HOWARD, JR.
ROBINS NAMED NASA ASSOCIATE ADMINISTRATOR FOR MANAGEMENT
[NASA RELEASE-89-1] P89-10001 06

RODNEY, GEORGE A.
THIRD TRACKING AND DATA DELAY SATELLITE TO BE DEPLOYED BY STS-29
[NASA RELEASE-89-23] P89-10023 06

RAAF, G. KIRK
NASA ANNOUNCES COLLABORATIVE RESEARCH PROJECT WITH GENENTECH
[NASA RELEASE-89-139] P89-10139 06

RADFORD, WADE
NASA/UNIVERSITY COLLABORATION MAY YIELD AUTOMATIC GLUCOSE MONITOR
[NASA RELEASE-89-66] P89-10066 06

REAPERTY, WILLIAM
MOBILE SATELLITE SYSTEM PROVEN IN AIRBORNE TEST
[NASA RELEASE-89-56] P89-10056 06

NASA MOBILE COMMUNICATIONS SYSTEM FIELD TESTED
[NASA RELEASE-89-141] P89-10141 06

RAGNAR, R.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER
[NASA RELEASE-89-151] P89-10151 06

RALL, DAVID
NASA AND NIH APPOINT INTERAGENCY WORKING GROUP MEMBERS
[NASA RELEASE-88-10] P89-10010 06

RANEY, R. KEITH
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

RANEY, RONNIE E.
STUDENT FINALISTS TO PRESENT SPACE STATION PROPOSALS
[NASA RELEASE-89-140] P89-10140 06

NATIONAL STUDENT WINNERS NAMED IN SPACE SCIENCE COMPETITION
[NASA RELEASE-89-146] P89-10146 06

REAGAN, RONALD
NASA ADMINISTRATOR FLETCHER RESIDENS
[NASA RELEASE-89-36] P89-10036 06

ROSE, JAMES T.
NASA SUPPORT COMMERCIAL DEVELOPMENT SOUNDED ROCKET FLIGHTS
[NASA RELEASE-88-58] P89-10058 06

NASA ANNOUNCES COLLABORATIVE RESEARCH PROJECT WITH GENENTECH
[NASA RELEASE-89-139] P89-10139 06

SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

B-13
VONNEGUT, BERNARD
VENNERI, SAM
VEACH, CHARLES LACY
VEIL, RAYMOND J.
VONNEGUT, BERNARD
WALKER, ARTHUR B., JR.
WALKER, DAVID M.
WALKER, ROBERT M.
WALLACE, SHARON K.
WALTERS, VERNON
WARNER, JERRY D.
WAVE, CHARLES H.
WIDEMEIER, HERBERT
WILKINS, EBTISAM
WILKINS, E.B.
WILKINS, E.B.
WILKINSON, DAVID T.
WILKINSON, R. ALLEN
WILKINSON, ROBERT
WILEY, J. R.
WILLIAMS, DONALD E.
WILLIAMS, LOUIS J.
WILLS, RAINER
WILSON, ROBERT
WILSON, ROBERT
WILSON, ROBERT
WHITE, GARY
WHITE, RONALD
WHITE, ROBERT
WHO, J. H.
WHITE, RONALD
WHITE, ROBERT
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
WICK, CHARLES H.
PERSONAL NAMES INDEX

WINGET, CHARLES
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT
10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

WINTERHALTER, DAVID L.
THIRD TRACKING AND DATA RELAY SATELLITE TO
BE DEPLOYED BY STS-28
[NASA RELEASE-89-23] P89-10023 06
SPACE SHUTTLE TO DEPLOY MAGELLAN
PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE
TOWARD JUPITER
[NASA RELEASE-89-151] P89-10151 06
SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT
10-DAY COLUMBIA FLIGHT
[NASA RELEASE-89-180] P89-10180 06

WISNIEWSKI, RICHARD J.
DETAILED CONSOLIDATION OF SPACE
FLIGHT/SPACE STATION OFFICES ANNOUNCED
[NASA RELEASE-89-171] P89-10171 06

WOHRMAN, F.
NASA TO LAUNCH NAVY COMMUNICATIONS
SATELLITE
[NASA RELEASE-89-145] P89-10145 06

WOLFGANG, J. L.
NASA SPACECRAFT TO LOOK OUT INTO SPACE,
BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

WOLVERTON, BILL
STUDY SHOWS COMMON PLANTS HELP REDUCE
INDOOR AIR POLLUTION
[NASA RELEASE-89-149] P89-10149 06

WOMACK, JAMES L.
NASA TO LAUNCH NAVY COMMUNICATIONS
SATELLITE
[NASA RELEASE-89-145] P89-10145 06
NASA SPACECRAFT TO LOOK OUT INTO SPACE,
BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

WOOD, JOHN A.
SPACE SHUTTLE TO DEPLOY MAGELLAN
PLANETARY SCIENCE MISSION
[NASA RELEASE-89-46] P89-10046 06

WOOD, ROBERT J.
SECOND GROUP OF ASTRONAUT HOPEFULS TO
ARRIVE AT JSC
[NASA RELEASE-89-153] P89-10153 06

WRIGHT, EDWARD L.
NASA SPACECRAFT TO LOOK OUT INTO SPACE,
BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

WRIGHT, JOSEPH
LEWIS RESEARCH CENTER WINS QUALITY
IMPROVEMENT PROTOTYPE AWARD
[NASA RELEASE-89-21] P89-10021 06

WRIGHT, ORVILLE
ADDRESS TO THE NATIONAL PRESS CLUB
P89-10191 05

WRIGHT, WILBUR
ADDRESS TO THE NATIONAL PRESS CLUB
P89-10191 05

WYNGAARDEN, JAMES
NASA AND NIH APPOINT INTERAGENCY WORKING
GROUP MEMBERS
[NASA RELEASE-89-10] P89-10010 06

Y

YAU, KEVIN
CHINESE ARTIFACT PROVIDES CLUE TO EARTH'S
ROTATION
[NASA RELEASE-89-90] P89-10090 06

YEATES, CLAYNE M.
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE
TOWARD JUPITER
[NASA RELEASE-89-151] P89-10151 06

YEN, ALBERT
SECOND GROUP OF ASTRONAUT HOPEFULS TO
ARRIVE AT JSC
[NASA RELEASE-89-153] P89-10153 06

Z

ZIPF, EDWARD C.
ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND
U.S.
[NASA RELEASE-89-30] P89-10030 06

ZUKOR, DOROTHY J.
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO
ARRIVE AT JSC
[NASA RELEASE-89-143] P89-10143 06

YOUNG, DICK
FINDINGS RELEASED ON ORBITER PROCESSING
FACILITY WATER MishAP
[NASA RELEASE-89-173] P89-10173 06

YOUNG, E. W.
NASA SPACECRAFT TO LOOK OUT INTO SPACE,
BACK IN TIME
[NASA RELEASE-89-172] P89-10172 06

YOUNT, PETER E.
SECOND GROUP OF ASTRONAUT HOPEFULS TO
ARRIVE AT JSC
[NASA RELEASE-89-153] P89-10153 06
This index correlates each news release number with its corresponding accession number. Following the accession number is a two-digit number (05 or 06) identifying the index section where the complete citation appears. News release numbers that were assigned but not used in this index have been omitted from this listing.

<table>
<thead>
<tr>
<th>NEWS RELEASE NUMBER</th>
<th>ACCESSION NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA RELEASE-89-91</td>
<td>P89-10001 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-92</td>
<td>P89-10003 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-93</td>
<td>P89-10004 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-94</td>
<td>P89-10006 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-95</td>
<td>P89-10007 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-96</td>
<td>P89-10009 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-97</td>
<td>P89-10010 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-98</td>
<td>P89-10011 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-99</td>
<td>P89-10012 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-10</td>
<td>P89-10013 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-11</td>
<td>P89-10014 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-12</td>
<td>P89-10015 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-13</td>
<td>P89-10016 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-14</td>
<td>P89-10017 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-15</td>
<td>P89-10018 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-16</td>
<td>P89-10019 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-17</td>
<td>P89-10020 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-18</td>
<td>P89-10021 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-19</td>
<td>P89-10022 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-20</td>
<td>P89-10023 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-21</td>
<td>P89-10024 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-22</td>
<td>P89-10025 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-23</td>
<td>P89-10026 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-24</td>
<td>P89-10027 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-25</td>
<td>P89-10028 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-26</td>
<td>P89-10029 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-27</td>
<td>P89-10030 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-28</td>
<td>P89-10031 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-29</td>
<td>P89-10032 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-30</td>
<td>P89-10033 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-31</td>
<td>P89-10034 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-32</td>
<td>P89-10035 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-33</td>
<td>P89-10036 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-34</td>
<td>P89-10037 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-35</td>
<td>P89-10038 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-36</td>
<td>P89-10039 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-37</td>
<td>P89-10040 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-38</td>
<td>P89-10041 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-39</td>
<td>P89-10043 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-40</td>
<td>P89-10044 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-41</td>
<td>P89-10045 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-42</td>
<td>P89-10046 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-43</td>
<td>P89-10047 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-44</td>
<td>P89-10048 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-45</td>
<td>P89-10050 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-46</td>
<td>P89-10051 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-47</td>
<td>P89-10052 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-48</td>
<td>P89-10053 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-49</td>
<td>P89-10054 06</td>
</tr>
<tr>
<td>NASA RELEASE-89-50</td>
<td>P89-10055 06</td>
</tr>
</tbody>
</table>
**ACCESSION NUMBER INDEX**

**INDEX TO NASA NEWS RELEASES AND SPEECHES 1989**

**APRIL 1990**

### Typical Accession Number Index Listing

<table>
<thead>
<tr>
<th>Accession Number</th>
<th>News Release Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>P89-10163</td>
<td>NASA RELEASE-89-163</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 (06 or 08) 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>News Release Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>P89-10001</td>
<td>NASA RELEASE-89-1</td>
</tr>
<tr>
<td>P89-10002</td>
<td>NASA RELEASE-89-2</td>
</tr>
<tr>
<td>P89-10003</td>
<td>NASA RELEASE-89-3</td>
</tr>
<tr>
<td>P89-10004</td>
<td>NASA RELEASE-89-4</td>
</tr>
<tr>
<td>P89-10005</td>
<td>NASA RELEASE-89-5</td>
</tr>
<tr>
<td>P89-10006</td>
<td>NASA RELEASE-89-6</td>
</tr>
<tr>
<td>P89-10007</td>
<td>NASA RELEASE-89-7</td>
</tr>
<tr>
<td>P89-10008</td>
<td>NASA RELEASE-89-8</td>
</tr>
<tr>
<td>P89-10009</td>
<td>NASA RELEASE-89-9</td>
</tr>
<tr>
<td>P89-10010</td>
<td>NASA RELEASE-90-1</td>
</tr>
<tr>
<td>P89-10011</td>
<td>NASA RELEASE-90-2</td>
</tr>
<tr>
<td>P89-10012</td>
<td>NASA RELEASE-90-3</td>
</tr>
<tr>
<td>P89-10013</td>
<td>NASA RELEASE-90-4</td>
</tr>
<tr>
<td>P89-10014</td>
<td>NASA RELEASE-90-5</td>
</tr>
<tr>
<td>P89-10015</td>
<td>NASA RELEASE-90-6</td>
</tr>
<tr>
<td>P89-10016</td>
<td>NASA RELEASE-90-7</td>
</tr>
<tr>
<td>P89-10017</td>
<td>NASA RELEASE-90-8</td>
</tr>
<tr>
<td>P89-10018</td>
<td>NASA RELEASE-90-9</td>
</tr>
<tr>
<td>P89-10019</td>
<td>NASA RELEASE-91-0</td>
</tr>
<tr>
<td>P89-10020</td>
<td>NASA RELEASE-91-1</td>
</tr>
<tr>
<td>P89-10021</td>
<td>NASA RELEASE-91-2</td>
</tr>
<tr>
<td>P89-10022</td>
<td>NASA RELEASE-91-3</td>
</tr>
<tr>
<td>P89-10023</td>
<td>NASA RELEASE-91-4</td>
</tr>
<tr>
<td>P89-10024</td>
<td>NASA RELEASE-91-5</td>
</tr>
<tr>
<td>P89-10025</td>
<td>NASA RELEASE-91-6</td>
</tr>
<tr>
<td>P89-10026</td>
<td>NASA RELEASE-91-7</td>
</tr>
<tr>
<td>P89-10027</td>
<td>NASA RELEASE-91-8</td>
</tr>
<tr>
<td>P89-10028</td>
<td>NASA RELEASE-91-9</td>
</tr>
<tr>
<td>P89-10029</td>
<td>NASA RELEASE-92-0</td>
</tr>
<tr>
<td>P89-10030</td>
<td>NASA RELEASE-92-1</td>
</tr>
<tr>
<td>P89-10031</td>
<td>NASA RELEASE-92-2</td>
</tr>
<tr>
<td>P89-10032</td>
<td>NASA RELEASE-92-3</td>
</tr>
<tr>
<td>P89-10033</td>
<td>NASA RELEASE-92-4</td>
</tr>
<tr>
<td>P89-10034</td>
<td>NASA RELEASE-92-5</td>
</tr>
<tr>
<td>P89-10035</td>
<td>NASA RELEASE-92-6</td>
</tr>
<tr>
<td>P89-10036</td>
<td>NASA RELEASE-92-7</td>
</tr>
<tr>
<td>P89-10037</td>
<td>NASA RELEASE-92-8</td>
</tr>
<tr>
<td>P89-10038</td>
<td>NASA RELEASE-92-9</td>
</tr>
<tr>
<td>P89-10039</td>
<td>NASA RELEASE-93-0</td>
</tr>
<tr>
<td>P89-10040</td>
<td>NASA RELEASE-93-1</td>
</tr>
<tr>
<td>P89-10041</td>
<td>NASA RELEASE-93-2</td>
</tr>
<tr>
<td>P89-10042</td>
<td>NASA RELEASE-93-3</td>
</tr>
<tr>
<td>P89-10043</td>
<td>NASA RELEASE-93-4</td>
</tr>
<tr>
<td>P89-10044</td>
<td>NASA RELEASE-93-5</td>
</tr>
<tr>
<td>P89-10045</td>
<td>NASA RELEASE-93-6</td>
</tr>
<tr>
<td>P89-10046</td>
<td>NASA RELEASE-93-7</td>
</tr>
<tr>
<td>P89-10047</td>
<td>NASA RELEASE-93-8</td>
</tr>
<tr>
<td>P89-10048</td>
<td>NASA RELEASE-93-9</td>
</tr>
<tr>
<td>P89-10049</td>
<td>NASA RELEASE-94-0</td>
</tr>
<tr>
<td>P89-10050</td>
<td>NASA RELEASE-94-1</td>
</tr>
<tr>
<td>P89-10051</td>
<td>NASA RELEASE-94-2</td>
</tr>
<tr>
<td>P89-10052</td>
<td>NASA RELEASE-94-3</td>
</tr>
<tr>
<td>P89-10053</td>
<td>NASA RELEASE-94-4</td>
</tr>
<tr>
<td>P89-10054</td>
<td>NASA RELEASE-94-5</td>
</tr>
<tr>
<td>P89-10055</td>
<td>NASA RELEASE-94-6</td>
</tr>
</tbody>
</table>

**D-1**
Typical Speech Entry

<table>
<thead>
<tr>
<th>ACCESSION NUMBER</th>
<th>NUMBER OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>P89-10196</td>
<td>12p</td>
</tr>
</tbody>
</table>

**NATIONAL SPACE CLUB LUNCHEON SPEECH BY DR. LENNARD A. FISK, NASA ASSOCIATE ADMINISTRATOR FOR SPACE SCIENCE AND APPLICATIONS**

**FISK, LENNARD A.** 26 APR. 1989 12p

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.

P89-10195
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: NASA COMMERCIAL PROGRAMS ADVISORY COMMITTEE; WASHINGTON, D.C.

FLETCHER, JAMES C. 8 FEB. 1989 7p

P89-10196
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: PRESIDENTIAL CLASSROOM FOR YOUNG AMERICANS SEMINAR; WASHINGTON, D.C.

MYERS, DALE D. 24 FEB. 1989 16p

P89-10197
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: U.S. SPACE FOUNDATION'S FIFTH NATIONAL SPACE SYMPOSIUM; COLORADO SPRINGS, COLORADO

FLETCHER, JAMES C. 5 APR. 1989 10p

P89-10198
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: PATHWAY TO THE PLANETS CONFERENCE; WASHINGTON, D.C.

TRULY, RICHARD HARRISON 31 MAY 1989 11p

P89-10199
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: EUROSPACE SYMPOSIUM: SPACE AND THE ENVIRONMENT; PARIS, FRANCE

TRULY, RICHARD HARRISON 12 JUN. 1989 10p

P89-10199
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: NATIONAL SPACE OUTLOOK CONFERENCE; TYSON'S CORNER, VA.

TRULY, RICHARD HARRISON 20 JUN. 1989 11p

P89-10190
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: INTERNATIONAL SPACE YEAR PUBLIC INFORMATION CONFERENCE FOR COMMERCE AND INDUSTRY; WASHINGTON, D.C.

TRULY, RICHARD HARRISON 17 JUL. 1989 12p

P89-10191
ADDRESS TO THE NATIONAL PRESS CLUB

TRULY, RICHARD HARRISON 26 OCT. 1989 9p

P89-10192
NASA BUDGET PRESS CONFERENCE: STATEMENT OF DR. JAMES C. FLETCHER, NASA ADMINISTRATOR

FLETCHER, JAMES C. 9 JAN. 1989 4p

P89-10193
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: BRIEFING FOR CEOs OF NASA MAJOR CONTRACTOR COMPANIES; NASA HEADQUARTERS

FLETCHER, JAMES C. 18 JAN. 1989 8p

P89-10194
EXCERPTS FROM REMARKS PREPARED FOR DELIVERY: CIA GUEST SPEAKER PROGRAM; LANGLEY, VIRGINIA

FLETCHER, JAMES C. 2 FEB. 1989 15p
Typical News Release Entry

<table>
<thead>
<tr>
<th>ACCESSION NUMBER</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>P89-10001</td>
<td>ROBINS NAMED NASA ASSOCIATE ADMINISTRATOR FOR MANAGEMENT</td>
</tr>
<tr>
<td>P89-10002</td>
<td>SPACE SHUTTLE SOLID ROCKET MOTOR SLATED FOR FINAL TEST FIRING</td>
</tr>
<tr>
<td>P89-10003</td>
<td>ASTRONOMERS DISCOVER ACTIVE STELLAR CORPSE</td>
</tr>
<tr>
<td>P89-10004</td>
<td>NASA SELECTS PAYLOAD SPECIALISTS FOR SPACELAB MISSION</td>
</tr>
<tr>
<td>P89-10005</td>
<td>IMAGE PROCESSING TO RELIEVE VISION PROBLEMS</td>
</tr>
<tr>
<td>P89-10006</td>
<td>NASA CALLS FOR PROPOSALS REGARDING REUSABLE REENTRY SATELLITE</td>
</tr>
<tr>
<td>P89-10007</td>
<td>NASA COMPLETES FIRST X-29 FLIGHT RESEARCH, PREPARES FOR SECOND</td>
</tr>
<tr>
<td>P89-10008</td>
<td>NASA SEEKS PROPOSAL FOR ORBITAL DEBRIS RADAR</td>
</tr>
<tr>
<td>P89-10009</td>
<td>NASA SELECTS ATMOSPHERIC SOUNDER FOR EOS SPACE PLATFORM</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.

P89-10010
NASA AND NIH APPOINT INTERAGENCY WORKING GROUP MEMBERS
23 JAN. 1989 2p NASA RELEASE-89-10

P89-10011
NASA ANNOUNCES PROGRAM FOR A DRUG-FREE WORKPLACE
26 JAN. 1989 2p NASA RELEASE-89-11

P89-10012
BALLHAUS RETURNS TO AMES RESEARCH CENTER
1 FEB. 1989 1p NASA RELEASE-89-12

P89-10013
STS-29 COUNTDOWN DEMONSTRATION TEST SCHEDULED FOR FEB. 7
3 FEB. 1989 2p NASA RELEASE-89-13

P89-10014
EFFECTS OF CLOUDS ON CLIMATE MEASURED BY NASA PROJECT
6 FEB. 1989 3p NASA RELEASE-89-14

P89-10015
NASA ANNOUNCES EARTH OBSERVATION SYSTEM INVESTIGATIONS
8 FEB. 1989 4p NASA RELEASE-89-15

P89-10016
US/UK ASTOVL PARTNERS ANNOUNCE AIRCRAFT TECHNOLOGY STUDY RESULTS
10 FEB. 1989 2p NASA RELEASE-89-16

P89-10017
TRUCK AERODYNAMIC DEVICE COULD LEAD TO MAJOR FUEL SAVINGS
14 FEB. 1989 3p NASA RELEASE-89-17

P89-10018
COSMOS MISSION RESULTS AND FUTURE U.S./USSR MISSIONS ANNOUNCED
16 FEB. 1989 3p NASA RELEASE-89-18

P89-10019
NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PHASE II PROJECTS
17 FEB. 1989 2p NASA RELEASE-89-19

P89-10020
ORBITAL DEBRIS STUDY COMPLETED
17 FEB. 1989 5p NASA RELEASE-89-20

P89-10021
LEWIS RESEARCH CENTER WINS QUALITY IMPROVEMENT PROTOTYPE AWARD
22 FEB. 1989 2p NASA RELEASE-89-21

P89-10022
NASA/UNIVERSITY COLLABORATION MAY YIELD AUTOMATIC GLUCOSE MONITOR
22 FEB. 1989 2p NASA RELEASE-89-22

P89-10023
THIRD TRACKING AND DATA RELAY SATELLITE TO BE DEPLOYED BY STS-29
MAR. 1989 2p NASA RELEASE-89-23

P89-10024
SPACE SHUTTLE CREW MEMBERS NAMED TO DOD, LIFE SCIENCES MISSIONS
24 FEB. 1989 2p NASA RELEASE-89-24

P89-10025
SHUTTLE TIRE DAMAGE STUDY COMPLETED; "GO" FOR DISCOVERY FLIGHT
26 FEB. 1989 3p NASA RELEASE-89-25

P89-10026
U.S. GOVERNMENT REGAINS $19 MILLION FROM AIRCRAFT ENGINE PROGRAM
1 MAR. 1989 2p NASA RELEASE-89-26

P89-10027
CONTRACTS AWARDED FOR ADVANCED LAUNCH SYSTEM ADVANCED DEVELOPMENT PROPULSION
2 MAR. 1989 2p NASA RELEASE-89-27

P89-10028
U.S./USSR TO IMPLEMENT MEDICAL COMMUNICATIONS SATELLITE LINK
9 MAR. 1989 2p NASA RELEASE-89-28

P89-10029
NASA GODDARD CENTER REQUESTS COMMERCIAL LAUNCH SERVICES PROPOSALS
9 MAR. 1989 1p NASA RELEASE-89-29

P89-10030
ARTIFICIAL CLOUDS TO BE VISIBLE IN CANADA AND U.S.
10 MAR. 1989 3p NASA RELEASE-89-30

P89-10031
DISCOVERY'S RETURN-TO-FLIGHT PHOTOGRAPHS RECORD MANY FIRSTS
14 MAR. 1989 3p NASA RELEASE-89-31

P89-10032
NASA AND JAPAN SIGN SPACE STATION MEMORANDUM OF UNDERSTANDING
14 MAR. 1989 2p NASA RELEASE-89-32

P89-10033
NEW EARTHQUAKE FAULTS DISCOVERED WITH LANDSAT IMAGES
15 MAR. 1989 2p NASA RELEASE-89-33

P89-10034
SHUTTLE ORBITER-NAMING COMPETITION STATE-LEVEL WINNERS ANNOUNCED
15 MAR. 1989 4p NASA RELEASE-89-34

P89-10035
NASA COMPLETES ADVANCED WING FLIGHT PROGRAM, PLANS SYMPOSIUM
21 MAR. 1989 2p NASA RELEASE-89-35

P89-10036
NASA ADMINISTRATOR FLETCHER RESIGNS
21 MAR. 1989 1p NASA RELEASE-89-36

P89-10037
ENVIRONMENTAL IMPACT STATEMENT FOR ASM ISSUED
21 MAR. 1989 2p NASA RELEASE-89-37

P89-10038
SHUTTLE C USERS' CONFERENCE SLATED FOR MAY 25-26
22 MAR. 1989 2p NASA RELEASE-89-38

P89-10039
ASTRONAUT HAUCK DEPARTING NASA FOR NAVY POST AT PENTAGON
23 MAR. 1989 1p NASA RELEASE-89-39

P89-10040
FINANCING ARRANGED FOR AMMONIUM PERCHLORATE PLANT
28 MAR. 1989 1p NASA RELEASE-89-40

P89-10041
ROSEN NAMED ACTING ASSOCIATE ADMINISTRATOR
30 MAR. 1989 1p NASA RELEASE-89-41

P89-10042
NASA LEWIS AWARDS CONTRACTS FOR ADVANCED POWER SYSTEM
31 MAR. 1989 2p NASA RELEASE-89-42

P89-10043
NASA SELECTS SMALL EXPLORER MISSIONS
4 APR. 1989 2p NASA RELEASE-89-43
NEWS RELEASES

P89-10044
ASTRONAUTS NAMED FOR TWO SPACE SCIENCE MISSIONS
5 APR. 1989 2p NASA RELEASE-89-44

P89-10045
NASA TO EXPAND UNIVERSITY RESEARCH PARTNERSHIP
7 APR. 1989 2p NASA RELEASE-89-45

P89-10046
SPACE SHUTTLE TO DEPLOY MAGELLAN PLANETARY SCIENCE MISSION
10 APR. 1989 3p NASA RELEASE-89-46

P89-10047
NASA PLANS F-16XL SUSTAINED-SUPERSONIC AIRFLOW RESEARCH TESTS
10 APR. 1989 3p NASA RELEASE-89-47

P89-10048
NASA CONDUCTS FIRST GLOBAL SURFACE RADIATION BUDGET EXPERIMENT
12 APR. 1989 2p NASA RELEASE-89-48

P89-10049
ACTING NASA ADMINISTRATOR TO RESIGN
13 APR. 1989 2p NASA RELEASE-89-49

P89-10050
DEADLINE SET FOR NEXT ASTRONAUT SELECTION
17 APR. 1989 1p NASA RELEASE-89-50

P89-10051
HARRIS CORP. SELECTED TO NEGOTIATE MAJOR KSC COMPUTER UPGRADE
18 APR. 1989 2p NASA RELEASE-89-51

P89-10052
NASA ASTRONOMER DISCOVERS "NEAR-MISS" ASTEROID THAT PASSED EARTH
19 APR. 1989 2p NASA RELEASE-89-52

P89-10053
NASA AIRCRAFT TO SUPPORT INTERNATIONAL GLOBAL OCEAN STUDY
19 APR. 1989 3p NASA RELEASE-89-53

P89-10054
NASA SELECTS FLIGHT TELEROBOTIC SERVICER DEVELOPMENT CONTRACTOR
20 APR. 1989 2p NASA RELEASE-89-54

P89-10055
MULTI-COLORED, ARTIFICIAL CLOUD TO BE VISIBLE ALONG EAST COAST
20 APR. 1989 2p NASA RELEASE-89-55

P89-10056
MOBILE SATELLITE SYSTEM PROVEN IN AIRBORNE TEST
20 APR. 1989 2p NASA RELEASE-89-56

P89-10057
"NASA SELECTS CONTRACTOR TO DEVELOP ADVANCED SOLID ROCKET MOTOR"
21 APR. 1989 2p NASA RELEASE-89-57

P89-10058
NASA TO SUPPORT COMMERCIAL DEVELOPMENT SOUNCING ROCKET FLIGHTS
21 APR. 1989 2p NASA RELEASE-89-58

P89-10059
NASA TO FLY ONE SHUTTLE MISSION BETWEEN MAGELLAN AND GAULEO
21 APR. 1989 1p NASA RELEASE-89-59

P89-10060
NASA REGIONAL HANOVER ADMINISTRATOR HIRINGS TO RESIGN
24 APR. 1989 2p NASA RELEASE-89-60

P89-10061
O'BRIEN ANNOUNCES RETIREMENT FROM NASA
24 APR. 1989 2p NASA RELEASE-89-61

P89-10062
MCBRIDE TO LEAVE NASA; BRAND NAMED COMMANDER OF STS-35
24 APR. 1989 2p NASA RELEASE-89-62

P89-10063
U.S. LAUNCHES MOST AMBITIOUS SPACE SCIENCE PERIOD
28 APR. 1989 2p NASA RELEASE-89-63

P89-10064
NASA FINAL PROPFAN PROGRAM FLIGHT TESTS CONDUCTED
1 MAY 1989 3p NASA RELEASE-89-64

P89-10065
EIGHT FIRMS NAMED NASA QUALITY AND PRODUCTIVITY FINALISTS
1 MAY 1989 2p NASA RELEASE-89-65

P89-10066
VIRGINIA TECH STUDENTS BUILD MOCKUP OF NATIONAL AERO-SPACE AIRPLANE
1 MAY 1989 2p NASA RELEASE-89-66

P89-10067
APOLLO 11 CREW 20TH ANNIVERSARY PRESS CONFERENCE SCHEDULED
3 MAY 1989 1p NASA RELEASE-89-67

P89-10068
LOGO SELECTED FOR SPACE STATION FREEDOM PROGRAM
5 MAY 1989 1p NASA RELEASE-89-68

P89-10069
NASA SELECTS FLIGHT TELEROBOTIC SERVICER DEVELOPMENT CONTRACTOR
5 MAY 1989 2p NASA RELEASE-89-69

P89-10070
PRESIDENT BUSH NAMES REPLACEMENT ORBITER "ENDEAVOUR"
10 MAY 1989 2p NASA RELEASE-89-70

P89-10071
"NASA SELECTS CONTRACTOR TO DEVELOP ADVANCED SOLID ROCKET MOTOR"
10 MAY 1989 2p NASA RELEASE-89-71

P89-10072
"MOOSER TO LEAVE NASA MAY 13"
12 MAY 1989 2p NASA RELEASE-89-72

P89-10073
NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE
12 MAY 1989 1p NASA RELEASE-89-73

P89-10074
NASA TO TEST SPACE SHUTTLE LANDING GEAR
15 MAY 1989 2p NASA RELEASE-89-74

P89-10075
TRULY SELECTS KELLER AS ASSOCIATE DEPUTY ADMINISTRATOR
16 MAY 1989 2p NASA RELEASE-89-75

P89-10076
NASA TO DEPLOY MAGELLAN SPACECRAFT AT PARIS AIR SHOW
17 MAY 1989 1p NASA RELEASE-89-76

P89-10077
SPACE STATION PROGRAM LEADERSHIP SELECTED BY TRULY
18 MAY 1989 2p NASA RELEASE-89-77

P89-10078
BROADWAY TO MANAGE SHUTTLE PROJECTS OFFICE AT MARSHALL
18 MAY 1989 1p NASA RELEASE-89-78

P89-10079
COMMERCIAL SPACE RESEARCH LEADS TO IMPROVED POWER SUPPLY DESIGN
24 MAY 1989 1p NASA RELEASE-89-79

P89-10080
NASA/DARPA LOW-COST PARALLEL-PROCESSING COMPUTER DEMONSTRATED
25 MAY 1989 2p NASA RELEASE-89-80

P89-10081
NASA COMMERCIAL PROGRAMS OFFICE TO EXHIBIT AT PARIS AIR SHOW
30 MAY 1989 1p NASA RELEASE-89-81

P89-10082
NASA CELEBRATES FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT
30 MAY 1989 2p NASA RELEASE-89-82

P89-10083
"NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE"
30 MAY 1989 2p NASA RELEASE-89-83

P89-10084
NASA SELECTS UNIVERSITIES FOR ADVANCED ENGINEERING DESIGN GRANTS
2 JUN. 1989 2p NASA RELEASE-89-84

P89-10085
SMITH APPOINTED DEPUTY DIRECTOR, NASA STENNIS SPACE CENTER
2 JUN. 1989 1p NASA RELEASE-89-85

P89-10086
TRACKING AND DATA RELAY SATELLITE-4 DECLARED OPERATIONAL
5 JUN. 1989 2p NASA RELEASE-89-86

P89-10087
AL DIAZ SELECTED AS DEPUTY ADMINISTRATOR FOR SCIENCE
6 JUN. 1989 1p NASA RELEASE-89-87

P89-10088
HARRISFIELD TO HEAD SPACE SHUTTLE/SPACE STATION INTEGRATION OFFICE
7 JUN. 1989 1p NASA RELEASE-89-88

P89-10089
ASTRONAUT PINKY NELSON TO LEAVE NASA
9 JUN. 1989 2p NASA RELEASE-89-89

P89-10090
CHINESE ARTIFACT PROVIDES CLUES TO EARTH'S ROTATION
12 JUN. 1989 3p NASA RELEASE-89-90

P89-10091
SOLICITATION PACKAGE RELEASED FOR USE OF TDRS C-BAND
12 JUN. 1989 1p NASA RELEASE-89-91

P89-10092
NASA, AMROC AGREE TO CRITICAL CHEMICAL EXCHANGE
14 JUN. 1989 1p NASA RELEASE-89-92

P89-10093
NASA ISSUES UPDATED MIXED FLEET MANIFEST
14 JUN. 1989 2p NASA RELEASE-89-93

P89-10094
NASA PROGRAMS GENERATE MORE THAN 300,000 JOBS, STUDY SHOWS
16 JUN. 1989 1p NASA RELEASE-89-94

P89-10095
"NASA SUMMIT: SPACE BRIDGE PROJECT EXTENDED TO ASSIST TRAIN VICTIMS"
15 JUN. 1989 2p NASA RELEASE-89-95

P89-10096
"NASA CELEBRATES FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT"
15 JUN. 1989 2p NASA RELEASE-89-96

P89-10097
NASA SCIENTISTS IDENTIFY MOLECULAR STRUCTURE OF BLOOD PROTEIN
15 JUN. 1989 2p NASA RELEASE-89-97

P89-10098
CONTRACTOR CHOSEN FOR STENNIS FACILITY OPERATING SUPPORT SERVICES
15 JUN. 1989 1p NASA RELEASE-89-98

P89-10099
CONTRACTORS SELECTED FOR ADVANCED LAUNCH SYSTEM STUDIES
16 JUN. 1989 2p NASA RELEASE-89-99

P89-10100
"NASA CELEBRATES FLIGHT OF FIRST HYPERSONIC RESEARCH AIRCRAFT"
16 JUN. 1989 2p NASA RELEASE-90-00

P89-10101
"NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE"
16 JUN. 1989 2p NASA RELEASE-90-01

P89-10102
"NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE"
20 JUN. 1989 1p NASA RELEASE-90-10

P89-10103
"NASA ANNOUNCES UPCOMING SHUTTLE FLIGHT SEQUENCE"
27 JUN. 1989 2p NASA RELEASE-90-103
NEWS RELEASES

P89-10104
NASA SELECTS SCIENCE EXPERIMENTS FOR SPACE STATION FREEDOM
28 JUN. 1989 4p NASA RELEASE-89-104

P89-10105
NASA SELECTS SCIENCE EXPERIMENTS FOR MICROGRAVITY MISSIONS
29 JUN. 1989 3p NASA RELEASE-89-105

P89-10107
NASA SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
29 JUN. 1989 2p NASA RELEASE-89-106

P89-10108
BOEING, MARTIN MARIETTA TO STUDY SPACE TRANSFER VEHICLE CONCEPTS
30 JUN. 1989 1p NASA RELEASE-89-107

P89-10109
LEE APPOINTED DIRECTOR OF MARSHALL SPACE FLIGHT CENTER
6 JUL. 1989 2p NASA RELEASE-89-108

P89-10110
HARRIS CORP. SELECTED FOR ADVANCED COMMUNICATIONS TECHNOLOGY WORK
6 JUL. 1989 1p NASA RELEASE-89-109

P89-10111
NASA’S VOYAGER 2 FINDS NEW MOON AROUND NEPTUNE
7 JUL. 1989 2p NASA RELEASE-89-110

P89-10113
NASA AND GERMAN MINISTRY SIGN SPACE TRANSPORTATION AGREEMENT
10 JUL. 1989 1p NASA RELEASE-89-113

P89-10114
BALLHAUS RESIGNS AS DIRECTOR OF NASA’S AMES RESEARCH CENTER
7 JUL. 1989 2p NASA RELEASE-89-111

P89-10115
NASA CANADIANS TO FLY PLASMA EXPERIMENT ON OME MISSION
7 JUL. 1989 2p NASA RELEASE-89-112

P89-10117
APOLO-Eра TECHNOLOGY SPINOFFS CONTINUE TO ENHANCE HUMAN LIFE
13 JUL. 1989 2p NASA RELEASE-89-117

P89-10118
NASA AWARDS GRANTS FOR FUTURE EXPLORATION STUDIES
18 JUL. 1989 3p NASA RELEASE-89-118

P89-10119
APOLLO-11 LUNAR EXPERIMENT STILL USEFUL AFTER 20 YEARS
17 JUL. 1989 3p NASA RELEASE-89-119

P89-10120
CONTRACTOR SELECTED FOR MEDIUM EXPENDABLE LAUNCH VEHICLE SERVICES
18 JUL. 1989 3p NASA RELEASE-89-120

P89-10121
SCIENCE OBSERVATIONS SELECTED FOR NASA/ESA HUBBLE SPACE TELESCOPE
19 JUL. 1989 1p NASA RELEASE-89-121

P89-10122
NASA STUDIES HEAVY RAIN EFFECTS ON AIRCRAFT PERFORMANCE
24 JUL. 1989 3p NASA RELEASE-89-122

P89-10123
U.S./ USSR EARTH SCIENCES GROUP IDENTIFY AREAS OF COOPERATION
21 JUL. 1989 2p NASA RELEASE-89-123

P89-10124
NASA TO STUDY HOW VEGETATION INFLUENCES WEATHER AND CLIMATE
24 JUL. 1989 2p NASA RELEASE-89-124

P89-10125
O’BRIEN RETURNS TO NASA AS ASSISTANT DEPUTY ADMINISTRATOR
25 JUL. 1989 1p NASA RELEASE-89-125

P89-10126
TRUELY ASSIGNS JSC’S COHEN TO LEAD NASA PREPARATION FOR NEW CIVIL SPACE GOALS
27 JUL. 1989 1p NASA RELEASE-89-126

P89-10127
MILESTONE REACHED IN SUPERCONDUCTIVITY
28 JUL. 1989 2p NASA RELEASE-89-127

P89-10128
VOYAGER DISCOVERS 3 ADDITIONAL MOONS AROUND NEPTUNE
3 AUG. 1989 2p NASA RELEASE-89-128

P89-10129
NEW SYSTEM USES ARTIFICIAL INTELLIGENCE TO MONITOR SPACECRAFT
5 AUG. 1989 2p NASA RELEASE-89-129

P89-10130
NASA PARTICIPATES IN FIRST ‘AIRSHOW CANADA’
8 AUG. 1989 2p NASA RELEASE-89-130

P89-10131
VOYAGER 2 ENCOUNTER OF NEPTUNE
AUG. 1989 2p NASA RELEASE-89-131

P89-10132
TWO PARTIAL RINGS OF NEPTUNE DISCOVERED BY VOYAGER SPACECRAFT
11 AUG. 1989 2p NASA RELEASE-89-132

P89-10133
ANTENNA IN JAPAN TO AID VOYAGER'S RADIO SCIENCE STUDY OF NEPTUNE
16 AUG. 1989 3p NASA RELEASE-89-133

P89-10134
VOYAGER SPACECRAFT DETECTS RADIO EMISSIONS FROM NEPTUNE
18 AUG. 1989 2p NASA RELEASE-89-134

P89-10135
CONTRACTS AIM AT BREAKTHROUGHS IN AIRCRAFT COMPOSITE STRUCTURES
31 AUG. 1989 3p NASA RELEASE-89-135

P89-10136
NASA DESIGNATES 17 SPACE GRANT COLLEGES/CONSORTIA
31 AUG. 1989 2p NASA RELEASE-89-136

P89-10137
INTELSAT SELECTED FOR USE OF TXRS C-BAND
1 SEP. 1989 1p NASA RELEASE-89-137

P89-10138
U.S.-U.S.R. LIFE SCIENCE INVESTIGATIONS TO BE LAUNCHED
6 SEP. 1989 2p NASA RELEASE-89-138

P89-10139
NASA ANNOUNCES COLLABORATIVE RESEARCH PROJECT WITH GENENTECH
7 SEP. 1989 2p NASA RELEASE-89-139

P89-10140
STUDENT FINALISTS TO PRESENT SPACE STATION PROPOSALS
8 SEP. 1989 2p NASA RELEASE-89-140

P89-10141
NASA MOBILE COMMUNICATIONS SYSTEM FIELD TESTED
14 SEP. 1989 2p NASA RELEASE-89-141

P89-10142
STUDY IDENTIFIES ECONOMIC BENEFITS FROM NASA TECHNOLOGY SPINOFFS
14 SEP. 1989 1p NASA RELEASE-89-142

P89-10143
FIRST GROUP OF PROSPECTIVE ASTRONAUTS TO ARRIVE AT JSC
15 SEP. 1989 1p NASA RELEASE-89-143

P89-10144
PLANETARY EXPLORATION FEATURED IN NEXT SATELLITE VIDEO CONFERENCE
15 SEP. 1989 2p NASA RELEASE-89-144

P89-10145
NASA TO LAUNCH NAVY COMMUNICATIONS SATELLITE
18 SEP. 1989 1p NASA RELEASE-89-145

P89-10146
NATIONAL STUDENT WINNERS NAMED IN SPACE SCIENCE/ENGINEERING COMPETITION
18 SEP. 1989 2p NASA RELEASE-89-146

P89-10147
JERRY J. FITTS APPOINTED DEPUTY ASSOCIATE ADMINISTRATOR OF OSO
22 SEP. 1989 2p NASA RELEASE-89-147

P89-10148
NASA OPENS ITS DATA BASES TO STIMULATE STUDENT SCIENCE/ENGINEERING
25 SEP. 1989 3p NASA RELEASE-89-148

P89-10149
STUDY SHOWS COMMON PLANTS HELP REDUCE INDOOR AIR POLLUTION
26 SEP. 1989 2p NASA RELEASE-89-149

P89-10150
NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS
28 SEP. 1989 4p NASA RELEASE-89-150

P89-10151
SHUTTLE ATLANTIS TO DEPLOY GALILEO PROBE TOWARD JUPITER
10 OCT. 1989 4p NASA RELEASE-89-151

P89-10152
NASA SCIENTISTS OBSERVE STRONG ANTARCTIC OZONE HOLE
28 SEP. 1989 2p NASA RELEASE-89-152

P89-10153
SECOND GROUP OF ASTRONAUT HOPEFULS TO ARRIVE AT JSC
29 SEP. 1989 1p NASA RELEASE-89-153

P89-10154
ASTRONAUTS NAMED FOR FIVE SPACE SHUTTLE MISSIONS
29 SEP. 1989 4p NASA RELEASE-89-154

P89-10155
MOOREHEAD NAMED SPACE STATION FREEDOM PROGRAM DEPUTY
2 OCT. 1989 1p NASA RELEASE-89-155

P89-10156
GEYSER-LIKE PLUME DISCOVERED ON NEPTUNE’S MOON TRITON
2 OCT. 1989 2p NASA RELEASE-89-156

P89-10157
NASA SEeks SPACE STATION ASSURED CREW RETURN VEHICLE PROPOSALS
3 OCT. 1989 2p NASA RELEASE-89-157

P89-10158
NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
5 OCT. 1989 2p NASA RELEASE-89-158

P89-10159
NASA TO FURTHER DEVELOP 2 EXPLORER SCIENTIFIC SPACECRAFT
5 OCT. 1989 1p NASA RELEASE-89-159

P89-10160
NASA CONFIRMS ‘89 OZONE HOLE MATCHES ‘87
26 OCT. 1989 2p NASA RELEASE-89-160

P89-10161
PRIVATE MEDICAL CONSULTATIONS TO BECOME SPACE FLIGHT ROUTINE
12 OCT. 1989 1p NASA RELEASE-89-161

P89-10162
ALDRICH NAMED ASSOCIATE ADMINISTRATOR FOR AERONAUTICS AND SPACE TECHNOLOGY; CRIPPEN TO HEAD SHUTTLE PROGRAM
16 OCT. 1989 2p NASA RELEASE-89-162

F-3
NASA'S ER-2 AIRCRAFT TAKING EARTHQUAKE DAMAGE ASSESSMENT PHOTOS
19 OCT. 1989  1p  NASA RELEASE-89-163

NASA AND NOAA SEND VLBI TO STUDY CALIFORNIA EARTHQUAKE MOVEMENT
20 OCT. 1989  2p  NASA RELEASE-89-164

TRULY UPDATES AERONAUTICS AND SPACE PROGRAMS FOR PRESS CLUB
26 OCT. 1989  2p  NASA RELEASE-89-165

ADMINISTRATOR TRULY GIVES BOOST TO READING PROGRAM
27 OCT. 1989  1p  NASA RELEASE-89-166

NASA AIRCRAFT TAKEOFF MONITOR SYSTEM MAY ENHANCE FLIGHT SAFETY
30 OCT. 1989  2p  NASA RELEASE-89-167

NASA PRESENTS EXCELLENCE AWARD TO LOCKHEED
1 NOV. 1989  2p  NASA RELEASE-89-168

NASA APPOINTS SPACELAB PAYLOAD SPECIALISTS
1 NOV. 1989  1p  NASA RELEASE-89-169

MOBILE VLBI UNITS MEASURE MOVEMENT FROM LOMA PRIETA EARTHQUAKE
7 NOV. 1989  2p  NASA RELEASE-89-170

DETAILED CONSOLIDATION OF SPACE FLIGHT/SPACE STATION OFFICES ANNOUNCED
8 NOV. 1989  2p  NASA RELEASE-89-171

NASA SPACECRAFT TO LOOK OUT INTO SPACE, BACK IN TIME
NOV. 1989  2p  NASA RELEASE-89-172

FINDINGS RELEASED ON ORBITER PROCESSING FACILITY WATER Mishap
15 NOV. 1989  2p  NASA RELEASE-89-173

SPACE EXPOSED TOMATO SEEDS ARE COMING HOME
14 NOV. 1989  2p  NASA RELEASE-89-174

RESEARCH FLIGHT RESULTS MAY AID FUTURE AIRCRAFT DESIGNS
17 NOV. 1989  2p  NASA RELEASE-89-175

NASA HEADS HYDROGEN FUEL TECHNOLOGY EFFORT FOR AERO-SPACE PLANE
15 NOV. 1989  2p  NASA RELEASE-89-176

GLOBE EXPERIMENT MEASURES WIND VELOCITY, DIRECTION
26 NOV. 1989  2p  NASA RELEASE-89-177

U.S./USSR SOLAR SYSTEM JOINT WORKING GROUP MEET IN MOSCOW
20 NOV. 1989  1p  NASA RELEASE-89-178

NASA ANNOUNCES IMPLEMENTATION OF DRUG FREE WORKPLACE PROGRAM
1 DEC. 1989  1p  NASA RELEASE-89-179

SYNCOM IV DEPLOY, LDEF RETRIEVAL HIGHLIGHT 10-DAY COLUMBIA FLIGHT
DEC. 1989  3p  NASA RELEASE-89-180

NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS
1 DEC. 1989  1p  NASA RELEASE-89-181

COMPTON NAMES Ames RESEARCH CENTER DIRECTOR
11 DEC. 1989  2p  NASA RELEASE-89-182