NASA HEADQUARTERS PROGRAM OFFICES REALIGNED

Dr. James C. Fletcher, NASA Administrator, announced that the Launch Vehicle and Propulsion Program in the Office of Space Science will be transferred to the Office of Space Flight (formerly Office of Manned Space Flight), and the NASA Directorate for Life Sciences will be transferred to the Office of Space Science.

An organization chart of the Office of Space Science showing positions and new mail codes is published on page 12 of this Bulletin.

A number of changes have occurred in the newly merged Lunar and Planetary Programs Office. Some of these include Dr. Bevan M. French, formerly of National Science Foundation, to Program Chief, Extraterrestrial Materials Research Program (includes both meteorite and lunar sample research), and Mr. Floyd Roberson, formerly Acting Deputy Director, Lunar Programs Office, to Deputy Director, Solar Terrestrial Programs Division. Dr. John H. Pomeroy has left NASA to accept a position as Senior Staff Officer (Executive Secretary) of the Committee on Radioactive Waste Management of the Board of Energy Studies in the Commission on Natural Resources, National Academy of Sciences/National Research Council.

DR. BRUCE MURRAY HEADS JPL

Dr. Bruce C. Murray, widely known planetary scientist and authority on Mars, Mercury and Venus, has been appointed Director of the Jet Propulsion Laboratory (JPL) to succeed Dr. William H. Pickering, who is retiring after 21 years in that position. Caltech professor of planetary science and a geologist by training, Dr. Murray has been a researcher with JPL space missions for more than 10 years and with planetary science at Caltech for 15 years. The appointment will become effective after the first of the year. JPL is operated for NASA by Caltech.

NEWS FROM TASS, SOVIET PRESS AGENCY

Dr. A. P. Vinogradov, geochemist and vice-president of the Soviet Academy of Sciences died November 16, 1975, at the age of 80. The Soviet Union's study of cosmochemistry was developed under the leadership of Dr. Vinogradov. He remained active as the head of Moscow's Institute of Geochemistry and Analytical Chemistry until his death.

Anatoly Alexandrov, head of the Kurchatov Institute of Atomic Energy was elected president of the Academy of Sciences, the Soviet Union's leading scientific body, on Tuesday, November 25, 1975. He replaces Vladimir Kotelnikov, who has been acting president since last May.
PROPOSAL REVIEW

The Lunar Science Review Panel (LSRP) met October 25 - November 2, 1975 at the Lunar Science Institute to review approximately 250 proposals on all aspects of lunar science. The evaluations and recommendations, conducted by twenty-five scientists, were forwarded to NASA on November 6. Others attending the meeting were officials from NASA-Headquarters Lunar and Planetary Programs Office and from the Office of the Curator NASA-Johnson Space Center.

The scope of the review this year expanded to include proposals for the study of meteorites, geophysical data, theoretical modeling, and remote observations by many diverse methods. The next meeting of the Panel is scheduled for March 1976 immediately following the Seventh Lunar Science Conference.

Those wishing to submit proposals for review at this session should submit them to the Lunar and Planetary Programs Office, Code SL, NASA Headquarters, Washington, D.C. 20541 no later than January 15, 1976. For more information or to request copies of the "Dear Colleague" letter outlining the procedure for submitting the proposal contact Dr. Bevan French, Program Chief, Extra-Terrestrial Materials Research, at NASA-Headquarters. (Telephone: AC 202/755-3760)

SEVENTH LUNAR SCIENCE CONFERENCE

The Seventh Lunar Science Conference, under the joint sponsorship of the NASA-Johnson Space Center and the Lunar Science Institute will be held in Houston, March 15-19, 1976. The organization of the Conference is similar to past years but with increasing emphasis on comparisons between the moon and other planets. The Conference will consider each of the following broad, problem-oriented topics:

1 - Constraints on structure and composition of planetary interiors.
2 - Characteristics and movements of materials on lunar planetary and asteroidal surfaces.
3 - Characterization and evolution of maria and other volcanic landforms.
4 - Characterization and evolution of planetary crusts.
5 - Nature and effects of impact processes.
6 - Extraterrestrial materials as solar/interplanetary/interstellar probes.

Some important dates to remember in connection with the Conference are:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 12</td>
<td>Deadline for submission of abstracts</td>
</tr>
<tr>
<td>Mid-February</td>
<td>Preliminary distribution of abstracts</td>
</tr>
<tr>
<td>March 15-19</td>
<td>Conference</td>
</tr>
<tr>
<td>April 19</td>
<td>Deadline for submission of manuscripts to Conference Proceedings</td>
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</table>

Questions about the Conference should be directed to Mrs. Carolyn Watkins at the Lunar Science Institute, (Telephone: AC 713/488-5200, ext. 37)
SYMPOSIUM: GEOLOGY OF THE TERRESTRIAL PLANETS: AN OVERVIEW

This symposium summarizing the advances of the past ten years in planetary geology will be held on February 24 at 3:00 p.m. as part of the American Association for the Advancement of Science (AAAS) Annual Meeting February 18-24, Boston, MA. The session is sponsored by AAAS Sections D and E. Participants and topics on the panel include: Planetary Interiors by M. Nafi Tökosz (MIT, Cambridge, MA); Impact Cratering on the Planets by Donald E. Gault (Ames Research Center, Moffett Field, CA); Tectonism and Volcanism of the Planets by Keith A. Howard (U.S. Geological Survey, Menlo Park, CA); Planetary Erosion and Transport Mechanisms, by John J. McCauley (U.S. Geological Survey, Flagstaff, AZ); and, Summary and Overview by Carl Sagan (Cornell University, Ithaca, NY)

For more information, please contact Baerbel K. Lucchitta, U.S. Geological Survey, Branch for Astrogeologic Studies, Flagstaff, AZ 86001.

CONFERENCE ON ORIGINS OF MARE BASALTS AND THEIR IMPLICATIONS FOR LUNAR REGOLITH

This conference, held at the Institute November 17-19, 1975, was attended by 110 scientists who participated in three days of extremely lively, stimulating, and informative discussions. Topics included mare volcanism in space and time; remote sensing and characterization of mare deposits; ages and isotopic studies; whole rock chemistry and its constraints on source regions; mineral chemistry and petrology; cooling histories and near-surface fractionation; characterization and nature of source regions; geophysical constraints on origin and evolution of mare basalts; and comparative studies of basalts on the terrestrial planets. Abstracts supplied by those who made formal contributions were published in advance (LSI Contribution #234) and were distributed at the conference. Others can obtain copies from Mrs. Carolyn Watkins, LSI, by sending $1.00 U.S. or $6.00 foreign to cover postage and handling. It is anticipated that a summary of the conference will appear in EOS shortly.

CONFERENCE: SCIENTIFIC APPLICATIONS OF LUNAR LASER RANGING

A conference on "Scientific Applications of Lunar Laser Ranging" will be held at the University of Texas at Austin, 8-10 June 1976. The conference is co-sponsored by IUGG, COSPAR, and IAU. Some topics to be discussed include: Astrometry and dynamics of Earth-Moon Systems; Rotation of the Moon; Dynamical theory-tests of relativity; Implications for lunar history and internal constitution; Establishment of intercontinental reference systems; and Global tectonophysics and smaller scale crustal motions. For additional information, please contact: Mrs. Julie Strong, SALUR Local Organizing Committee, Dept. of Astronomy, University of Texas at Austin, Austin, TX 78712.
LUNAR SCIENCE CONFERENCE PROCEEDINGS

The Symposia Office of the Lunar Science Institute is now able to offer all sets of Lunar Science Conference Proceedings through the Fourth, at bookseller's cost plus postage. This offer is available to individuals, not to libraries or organizations, please. The special prices are:

- Apollo 11: $40.00
- Second Conference: 46.00
- Third Conference: 58.00*
- Fourth Conference: 64.00

*NOTE: This price was incorrectly listed as $54.00 on the flyer given out at the Mare Basalt Conference at the Institute, November 17-19, 1975.

Send prepaid orders to Lunar Science Institute, Symposia Office, 3303 NASA Road #1, Houston, TX 77058.

MARINER 10 TV PICTURE DATA STATUS

The National Space Science Data Center (NSSDC) has published a Data Announcement Bulletin (NSSDC 75-18, October 1975) which describes the Mariner 10 TV data now available from NSSDC and explains the procedures for ordering these data. The following is a summary of the Status of the Picture Data:

<table>
<thead>
<tr>
<th>Product</th>
<th>Availability</th>
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</thead>
<tbody>
<tr>
<td>MTVS Picture Data (raw pictures, high-pass filtered, and vertical AGC enhancements)</td>
<td>NSSDC can respond to requests if roll and file number, version, and FDS count are submitted by requestor.</td>
</tr>
<tr>
<td>IPL Picture Data</td>
<td>NSSDC cannot respond to requests until all data are received.</td>
</tr>
<tr>
<td>Indexes to Mariner 10 TV Picture Data</td>
<td>NSSDC can respond to requests for 16-mm microfilm.</td>
</tr>
<tr>
<td>SEDR (Supplementary Experiment Data Records)</td>
<td>NSSDC will supply the complete record on one 16-mm reel of microfilm with each initial request for picture data.</td>
</tr>
<tr>
<td>MVM73 Earth/Moon Calibration Catalog on microfiche</td>
<td>NSSDC can respond to requests.</td>
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<tr>
<td>MVM73 Venus Encounter Catalog on microfiche</td>
<td>NSSDC can respond to requests.</td>
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<tr>
<td>MVM73 Mercury First Encounter Catalog on microfiche</td>
<td>NSSDC can respond to requests.</td>
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<tr>
<td>MVM73 Mercury Second Encounter Catalog on microfiche</td>
<td>NSSDC can respond to requests.</td>
</tr>
<tr>
<td>MVM73 Mercury Third Encounter Catalog on microfiche</td>
<td>Until the microfiche are received, NSSDC cannot respond to requests.</td>
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</tbody>
</table>

To obtain a copy of this Data Announcement Bulletin write NSSDC, Code 601.4, Goddard Space Flight Center, Greenbelt, MD 20771.
MORE 1:250,000 SCALE LUNAR MAPS IN THE WORKS

The "User Guide to 1:250,000 Scale Lunar Maps" published in March 1975 and available on request from the Photo/Map Library, LSI, included diagrams showing which maps were then available in this series. Since then another twenty map sheets are being prepared. Six of the twenty have been assigned names:

39C-1 Brayley 80A-3 Born 81A-4 Von Behring
63B-3 Jansky 81A-3 Kästner 83A-4 Necho

The twenty new map sheets are shown on the accompanying diagrams as bolder outlined areas.

The NASA Lunar and Planetary Programs Office has also started work on a 1:1,000,000 Lunar Map (LM) series. There are four maps currently in progress. These are areas 41, 42, 103, and 104. For more information on this program, please contact Dan Kinsler, Lunar Science Institute.

USGS LUNAR MAP REPRINTED - MARS QUADRANGLES AVAILABLE

The U.S. Geological Survey has announced the reprinting of Map I-703 Geologic Map of the Near Side of the Moon by D. E. Wilhelms and J. F. McCauley. Scale 1:5,000,000, accompanied by 7-page text, originally published 1971.

Two Mars quadrangle maps are now available: Map I-893 Geologic Map of the Tharsis Quadrangle of Mars by M. H. Carr. Lat 0° to 30° N, long 90° to 135° W. Scale 1:5,000,000 at 0° lat.; and, Map I-894 Geologic Map of the Lunae Palus Quadrangle of Mars by D. J. Milton. Lat 0° to 30° N, long 45° to 90° W. Scale 1:5,000,00 at 0° lat.

Prepaid orders for these maps ($1.00 each) should be sent to U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202.

SIXTH CONFERENCE PROCEEDINGS

It is anticipated that the Proceedings of the Sixth Lunar Science Conference will be mailed by the publisher, Pergamon Press, before the first of January 1976. Please watch your mail for this important work in lunar science if you have placed your order or are entitled to a set. If you should encounter any problem, please contact the Symposia Office at the Lunar Science Institute, 713/488-5200, ext. 30.
1:250,000 Scale Lunar Maps Available as of December 1975
(New maps shown in bold outlines)

On the indexed sheets published after May 1, 1974, longitude is expressed in agreement with this index (0° to 360° easterly). Sheets published before that date show longitude in degrees east or west of the zero meridian.
1:250,000 Scale Lunar Maps Available as of December 1975
(New maps shown in bold outlines)
CURRENT LUNAR ARTICLES received in LSI Library, September-November 1975
(Address of first author is given as published for ease in obtaining reprints. Please contact author or your local library for copies or reprints.)


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January 12
Deadline for submission of abstracts to 7th Lunar Science Conference.

January 13

February 18-24
American Association for the Advancement of Science Annual Meeting, "Science and Our Expectations: The Bicentennial and Beyond," Boston, MA.
Contact: AAAS, Meeting Office
1776 Massachusetts Avenue N.W.
Washington, DC 20036

For GSA participation contact:
Dr. Sheldon Judson
Department of Geological and Geophysical Sciences
Princeton University
Princeton, NJ 08540

or
Dr. Bruce B. Hanshaw
U.S.G.S.
431 National Center
Reston, VA 22092

February 24
Geology of the Terrestrial Planets: an Overview Special Symposium at AAAS Meeting, Boston, MA. See page 3 this Bulletin for information.

March 15-19
Seventh Annual Lunar Science Conference, Houston, TX.
See page 2 this Bulletin for information.

March 28-April 2
American Astronomical Society, Division for Planetary Science, Annual Meeting, Austin, TX.
Contact: Dr. Harlan Smith
Director, McDonald Observatory
University of Texas at Austin
Austin, TX 78712

April 12-16
American Geophysical Union, 1976 Spring Annual Meeting, Sheraton-Park Hotel, Washington, DC.
For Program Chairman, see EoS 56, 898, Nov. 1975, or contact: American Geophysical Union
Suite 1000
1909 K Street N.W.
Washington, DC 20036

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