

LUNAR SCIENCE INFORMATION BULLETIN

Universities Space Research Association

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Lunar Science Institute

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IT'S CONFERENCE TIME IN HOUSTON

For the seventh consecutive year, lunar and planetary scientists from all over the world will convene at the Johnson Space Center (JSC) March 15-19 to report and discuss the results of their investigations with their colleagues. This year's *LUNAR SCIENCE CONFERENCE* is structured similarly to previous years with all reports directed to seven 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; (7) Earliest history of the Moon and solar system. Three topics will run simultaneously in the morning and afternoon sessions from Monday a.m. through Thursday a.m.

Tuesday afternoon, March 16, has been set aside for small group meetings on more specialized topics. Sessions currently scheduled are:

UTILIZATION OF LUNAR MATERIALS & EXPERTISE FOR LARGE SCALE OPERATIONS IN SPACE

Building 30 Auditorium, JSC, 2:00 to 6:00 p.m.

Contact: Dr. David R. Criswell, LSI 713/488-5200, ext. 52

RECENT ACTIVITY IN THE MOON

Berkner Room, LSI, 1:30 to 10:00 p.m.

Contact: Dr. Len Srnka, LSI 713/488-5200, ext. 59

ALLENDE METEORITE: A DISCUSSION OF RECENT STUDIES

Room 206, Gilruth Center, JSC, 1:00 to 5:00 p.m.

Contact: Dr. Hiroshi Nagasawa, LSI 713/488-5200, ext. 61

For more information about these sessions consult the various enclosures mailed to you with this Bulletin.

LUNAR SCIENCE VII: Abstracts of papers submitted to the Seventh Lunar Science Conference, is currently in press. This year's volume containing 344 abstracts will be distributed to all conference participants.

There is still time to pre-register by mail. Contact Ms. Carolyn Watkins, LSI 713/488-5200, ext. 37 for information. Registration will begin on Sunday, March 15, 6:00 to 10:00 p.m. at the Nassau Bay Hotel and will continue each day of the conference in Building 2 at JSC.

To assist you in your pre-conference planning the preliminary program for the *Seventh Lunar Science Conference* is included with this Bulletin.

SYMPOSIUM ON PLANETARY CRATERING MECHANICS

The U.S. Geological Survey, Branch of Astrogeological Studies will host, and the Lunar Science Institute will sponsor this Symposium on Planetary Cratering Mechanics to be held in Flagstaff, Arizona, on September 13-17. Topics to be discussed include: theoretical and numerical computer simulations, equations of state, material failure, comminution, ejecta, scaling and energy partitioning; high-energy explosion and nuclear cratering experiments, laboratory explosion and impact experiments; terrestrial impact craters; applications of cratering mechanics data to lunar and planetary impact processes; terrestrial economic implications. The attendance will be limited to 120 participants. For further information contact: Symposia Office, Lunar Science Institute, 3303 NASA Road #1, Houston, TX 77058 U.S.A. (telephone: 713/488-5200) or Dr. David J. Roddy, USGS Branch of Astrogeological Studies, Flagstaff, AZ 86001 (telephone: 602/774-5261)

CONFERENCE ON COMPARISONS OF MERCURY AND THE MOON

This conference to be held at the Lunar Science Institute November 15-17, 1976, will focus on the origin and evolution of the two planetary bodies. Topics to be explored include: crustal evolution; internal structure and composition; regolith formation on planets without atmospheres; the effects of gravity and other parameters on crater formation and ejecta; the origin of major surface formations, particularly the plains units of various ages; and correlations between surfaces. The format of the conference will largely follow that of the Mare Basalt conference held at the Institute in November 1975. Extended abstracts will be due in early September, with the necessary forms being mailed in July. A formally published proceedings following the conference is under consideration. The Program Committee members are Charles H. Simonds, LSI; Robert O. Pepin, LSI, John B. Adams, University of Washington, Stephen E. Dwornik, NASA Headquarters; James W. Head, Brown University; Verne R. Oberbeck, NASA Ames; Peter H. Schulz, NASA Ames/University of Santa Clara; Sean C. Solomon, M.I.T.; and James R. Underwood, West Texas State. For further information, contact: Dr. Charles H. Simonds, Symposia Office, Lunar Science Institute, 3303 NASA Road #1, Houston, TX 77058.

ANNUAL MEETING - DIVISION OF PLANETARY SCIENCES (DPS)
AMERICAN ASTRONOMICAL SOCIETY

The 1976 annual meeting of the DPS will be held in Austin, Texas, 30 March-3 April at the Thompson Conference Center, University of Texas campus. Abstracts prepared to the format required for publication in the Bulletin of the American Astronomical Society must be sent to Dr. Larry Trafton, Program Chairman, by March 1. For information about local arrangements and other conference details, contact Ms. Julie Strong. The address for Dr. Trafton and Ms. Strong is: Astronomy Department, University of Texas, Austin, TX 78712. Telephone: 512/471-4468.

AGU PLANETOLOGY SECTION, 1976 SPRING MEETING

The 1976 spring meeting of the American Geophysical Union will be held in Washington, DC 12-15 April. Since the sessions sponsored or co-sponsored by the Planetology Section of AGU are of particular interest to readers of this Bulletin, Dr. James Head (Brown University) the Planetology Program Chairman has provided the following brief outline of the program to be presented:

SPECIAL SESSIONS

Search for Pre-Solar Grains: Observations and Origins of Isotopic Anomalies in Meteorites (I and II)	Wednesday	AM and PM
Exploration of Mars 1976 - The Viking Initiative	Thursday	AM

SESSIONS

Interiors of the Terrestrial Planets	Monday	AM
Remote Sensing	Monday	PM
Regolith Processes	Monday	PM
Planetary Cratering and Surface Processes	Tuesday	AM
Cosmochemistry	Tuesday	PM
Planetary Atmospheres	Thursday	PM

CO-SPONSORED SESSIONS

Planetary Atmospheres and Related Topics (with SA)	Monday	AM
Heavy Particles from the Sun (with SC)	Wednesday	PM
Energetic Particles from Planets (with SPR)	Thursday	PM

The full program will be published in the April issue (mailed in mid-March) of E&S. Information on hotel reservations, registration, and a summary of the program is available by writing "Meetings" American Geophysical Union, 1909 K Street N.W., Washington, DC 20036.

NATO ADVANCED STUDY INSTITUTE - "ORIGIN OF THE SOLAR SYSTEM"

An appraisal of the constraints placed on models of the origin of the solar system by our knowledge of present and past states of stars, planets, satellites, comets, asteroids, and meteorites will be the subject of this institute to be held March 29-April 9, 1976 at the University, Newcastle-upon-Tyne. For this Study Institute there will be no call for papers from participants other than the invited lecturers. Approximately 15 lecturers will each give three or four one-hour talks. Among those who have provisionally agreed to lecture are: H. Alfvén, A.G.W. Cameron, G.H. Herbig, W.H. McCrea, H. Reeves, S.K. Runcorn, D.C. Tozer, and M.M. Woolfson. Open and thorough discussion will follow each invited talk. Since the total number of participants will be limited to approximately 80, all interested in attending are urged to apply as soon as possible. Details and registration forms are available from: Mr. W. F. Mavor, School of Physics, The University, Newcastle-upon-Tyne NE1 7RU, England.

NEW PRESIDENT FOR UNIVERSITIES SPACE RESEARCH ASSOCIATION

Alexander J. Dessler, Professor of Space Physics and Astronomy and Manager of Campus Business Affairs at Rice University has been appointed president of USRA. USRA is a consortium of 50 universities whose purpose is to provide a means by which universities and other research organizations may cooperate with one another and with the federal government in the development of knowledge associated with space science and technology. The association, under contracts with the National Aeronautics and Space Administration, operates the Lunar Science Institute in Houston, Texas; the Institute for Computer Applications in Science and Engineering at NASA/Langley Research Center in Hampton, Virginia; and a micro-gravity space processing group at NASA/Marshall Space Flight Center in Huntsville, Alabama.

DR. CALIO MOVES TO HEADQUARTERS

Dr. Anthony J. Calio, formerly Director of Science and Applications at NASA/Johnson Space Center, Houston, Texas, has transferred to NASA Headquarters. He is now Deputy Associate Administrator for Space Science in the Office of Space Science. Dr. Calio's new address is: NASA Headquarters, Code SD, Washington, DC 20546. Telephone: 202/755-3670.

CALENDAR

- 15-19 March SEVENTH LUNAR SCIENCE CONFERENCE
See Page 1, this Bulletin
- 29 March-9 April ORIGIN OF THE SOLAR SYSTEM: NATO ADVANCED STUDY INSTITUTE
See Page 4, this Bulletin
- 30 March-3 April AMERICAN ASTRONOMICAL SOCIETY. DIVISION OF PLANETARY SCIENCE
See Page 3, this Bulletin
- 12-16 April AMERICAN GEOPHYSICAL UNION, 1976 SPRING ANNUAL MEETING
Sheraton-Park Hotel, Washington, DC
For program chairmen, see EOS 56, 898, (Nov. 1975) or
Contact: American Geophysical Union, Suite 1000, 1909 K Street, N.W.
Washington, DC 20036
See Page 3, this Bulletin for Planetology Section
- 9-11 May CANADIAN GEOPHYSICAL UNION with SEISMOLOGICAL SOCIETY OF AMERICA
Edmonton, Alberta
Contact: Michael J. Keen, Department of Earth Science, University
of Waterloo, Waterloo, Ontario N2L 3G1
- 11-14 May SEISMOLOGICAL SOCIETY OF AMERICA with CANADIAN GEOPHYSICAL UNION
Edmonton, Alberta
Contact: E. R. Kanasevich, IEPP-Physics, University of Alberta,
Edmonton, Alberta T6G 2E1
- 8-10 June SCIENTIFIC APPLICATIONS OF LUNAR LASER RANGING
University of Texas at Austin
Contact: Mrs. Julie Strong, SALUR Local Organizing Committee
Department of Astronomy, University of Texas, Austin, TX 78712
See LSIB #8, Page 3 for additional information

FUTURE EVENTS

- 16-25 August INTERNATIONAL GEOLOGICAL CONGRESS
Sydney, Australia
Contact: Secretary-General, International Geological Congress,
P. O. Box 1892, Canberra City, ACT 2601, Australia
- 13-17 September SYMPOSIUM ON PLANETARY CRATERING MECHANICS
See Page 2, this Bulletin
- 18-21 October METEORITES AND LUNAR SAMPLES. ANNUAL MEETING METEORITICAL SOCIETY
Bethlehem, PA
Contact: Joseph I. Goldstein, Department of Metallurgy and Materials
Science, Whitaker Laboratory, Building 5, LeHigh University,
Bethlehem, PA 18015
- 8-10 November GEOLOGICAL SOCIETY OF AMERICA and affiliated societies
Denver, CO
Contact: Fred S. Handy, Annual Meeting Manager, Geological Society
of America, 3303 Penrose Place, Boulder, CO 80301
- 15-17 November CONFERENCE ON COMPARISONS OF MERCURY AND THE MOON
See Page 2, this Bulletin for details
- 6-10 December AMERICAN GEOPHYSICAL UNION FALL ANNUAL MEETING
Jack Tar Hotel, San Francisco, CA
Contact: AGU, 1909 K Street N.W., Washington, DC 20006

CURRENT LUNAR ARTICLES received in LSI Library December 1975-January 1976

(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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