

THE
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Clipboard

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DR. BERKNER TO SUNDAY DISCUSSION

DALLAS -- Dr. Lloyd Berkner, GRCSW president, will attend a Sunday, June 16 meeting of Dallas businessmen and educators with Dr. Edward Teller, on the occasion of the atom scientist's visit to Dallas.

Instigated by Dr. J. R. Maxfield, of the Maxfield Clinic, and organized by Mr. Harold Volk, Dallas department store owner, the meeting will be an informal one at which approaches to education being made in California will be discussed. The group will discuss with Dr. Teller not only the California approach to post graduate education, but will touch on undergraduate work as well, and will deal with such topics as shortages of teachers in the field of science at the several educational levels, even to the junior high school level.

Teaching methods and teaching aids, prompted by the program of the Lawrence Hall of Science at the University of California, will also be discussed. This program brings together several Nobel Prize winners, as well as other notable scientists and educators, in exploring the question of scientific education versus research.

It was noted that these preliminary discussions, to be held at the Dallas Country Club, possibly would lead to a similar meeting with Dr. Teller in the fall. Dr. Teller will be in Dallas this Saturday for a Civil Defense meeting.

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GENERAL RELATIVITY SEMINARS

Prof. Ivor Robinson, Mathematics and Mathematical Physics division head, has announced that a seminar on general relativity will be held each Thursday at 2:30 p.m., until August 29. The first meeting, to be held on Thursday, June 13, in Room 352, will be addressed by Professor E. L. Schücking of the University of Texas. His subject: "Gravitational Collapse."

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DR. HANSON TO NASA MEETING

Dr. William B. Hanson, SCAS ionospheric physicist, and consultant to the NASA Subcommittee on Ionospheres and Radiophysics, of the Space Sciences Steering Committee, attended a meeting of that body June 10-12 at the University of Illinois at Urbana.

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SCAS ACQUISITION

Expected this week, according to DASS research scientist Thomas W. Flowerday, is the high vacuum chamber for simulating space environment. Flowerday noted that the chamber will be used in atmospheric composition research. Without benefit of exponential shortcuts, its ultimate capability can be expressed as "pressure" of 0.000000007 torr. A torr, practically, equals the pressure indicated by one millimeter of mercury, or less than 1/800 of our normal atmospheric pressure.

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TWO FROM GRCSW ADDRESS
OKLAHOMA CONFERENCE

Dr. Lloyd Berkner, GRCSW president, and Ross C. Peavey, engineer and administrator, Earth and Planetary Sciences laboratory, SCAS, will address the Conference on Space Science and Space Law to be held at the University of Oklahoma at Norman, June 18-20.

Addressing the opening session of the conference at 10 a.m., Tuesday, Dr. Berkner will speak on "Science, the Scientist, and Space." Subject of Mr. Peavey's talk before the conference's Wednesday session 6, dealing with cooperation in space, will be "International Cooperation in Space Science."

With the stated purpose of closing the gap between science and law, the conference will bring together eminent scientists, lawyers, and other specialists interested in space exploration, so that each may become better acquainted with the problems in the other disciplines as well as to study some of the matters of common interest.

Sponsored by the University of Oklahoma, the Frontiers of Science Foundation of Oklahoma, Inc., the Liberty National Bank of Oklahoma City, and the Oklahoma Bar Association, the conference is the result of a growing awareness of interest in space age activities in the Southwest.

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NOTE: SCAS Seminar inquiries during the past week have been received from so far afield as Alexandria, Virginia, and Chicago.

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NEW STAFF

A recent addition to SCAS staff is Dr. John Verhoogen, of the University of California at Berkeley, who joined Dr. Anton L. Hales' Geosciences division as consulting professor on Monday. With the Ph.D. from Stanford University, Dr. Verhoogen's field of interest is volcanology.

Other recent additions to the SCAS staff include:

Edwin Paul Keath, division of Atmospheric and Space Sciences; Nicholas Lawrence Lund, Development office; William Adrian Jenkins III, DASS; Yvonne Couch, division of Geosciences; David Otto Nilsson, Geosciences; George W. Martin, DASS; Sidney Nieh, DASS; John Robert Martin, DASS; Benjamin Thomas Waak, DASS; Henry Gray, Geosciences, and Christoph Behr and David Leroy Farnsworth, graduate students, division of Mathematics and Mathematical Physics.

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SCAS CAMPUS

Frank Seay, campus development director, reports that work is under way on the Earth and Planetary Sciences laboratory building -- and -- "We anticipate occupancy of the laboratory building by April 1964, or sooner."

He reported that the underground water system is complete, and that its testing should be done very soon. Mr. Seay also pointed out that all grading on roadways is complete, and that liming (for base treatment) is starting immediately -- to be complete in 10-14 days; paving to start immediately thereafter. "This should be finished by mid-July," Mr. Seay said,

(Continued on page 3).

CAMPUS (From page 2)

and the portions of the box culverts crossing under the roadway are now being constructed. They will be finished in time to meet the paving schedule."

He added that the sewer contract (involving some 4800 feet of 8-inch line) will be awarded next week, and that this work should be complete the second half of July.

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DASS HEAD TRAVELS

Dr. Francis S. Johnson, Atmospheric and Space Sciences division head, will visit Texas A & M University June 13, for discussions with Dr. Dale Leipper, of the school's Oceanography and Meteorology department. From June 17 through June 20, he will attend a meeting of the Technical Committee on Space and Atmospherics in Los Angeles. While in Los Angeles, Dr. Johnson will hold a seminar at the Aerospace Corporation on June 18, entitled "The Interplanetary Medium."

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QUOTES

from Dr. Lloyd Berkner's statement before hearings of the Senate Committee on Aeronautical and Space Sciences in Washington, June 11, were heard extensively Tuesday night and Wednesday morning over local radio stations.

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VISITOR: Dr. Alexander Jack Dessler, formerly of DASS of SCAS, presently chairman of Rice University's department of Space Sciences, visited the center recently.

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REPORT FROM WARSAW

Dr. T. N. L. Patterson, SCAS physicist who served as a U. S. delegate to the ICSU Committee on Space Research Fourth International Space Science Symposium held in Warsaw, Poland, June 3-12, commented that the meeting was "very interesting," and noted that Symposium proceedings would be published by the Netherlands' North Holland Publishing Company.

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SCAS AT CORNELL CONFERENCE

"A highly distinguished kind of conference" was held at Cornell University, May 29 - June 1, according to Professor Ivor Robinson, head, division of Mathematics and Mathematical Physics, who attended for SCAS.

Having to do with the "Nature of Time," the conference was attended by such scientists as Prof. Herman Bondi, professor of Mathematics, King's College, London; Dr. S. Chandrasekhar, Morton D. Hull Distinguished Service professor of Theoretical Astrophysics, University of Chicago; Dr. Peter Bergmann, professor of Physics, Syracuse University; Prof. L. Rosenfeld, professor of Physics, NORDITA, Copenhagen; Prof. Fred Hoyle, professor of Astronomy, Cambridge University; Dr. David Layzer, professor of Astronomy and others.

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A QUOTE:

"Cambridge dons are not distinguished men. They are just men who confer distinctions upon one another."

-- C. P. Snow

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CALENDAR OF WEEKLY SCIENTIFIC EVENTS

- June 14 - 18 Biomedical Sciences Instrumentation Symposium, 1st National (ISA) -- Los Angeles
- June 16 - 20 American Institute of Aeronautics and Astronautics Summer Meeting -- Los Angeles
- June 16 Eighteenth National Organic Symposium, Ohio State University (ACS, Division of Organic Chemistry) -- Columbus, Ohio
- June 16 - 21 IEEE Summer General Meeting-Radiation Effects -- Toronto, Canada
- June 17 Society of Plastics Engineers, North Texas Section -- Dallas
- June 17 - 19 American Marketing Association, 46th National Conference -- Washington, D. C.
- June 17 - 18 1963 Spring Conference of Broadcast and TV Receivers (IEEE) -- Chicago
- June 17 - 21 Sixth Carbon Conference, University of Pittsburgh -- Pittsburgh
- June 17 - 18 Computer and Information Sciences Symposium (COINS) on Learning, Adaptation, and Control in Information Systems -- (ONR, Nw, U. Tech Inst) -- Evanston
- June 17 - 21 Gas Chromatography Symposium, 4th Biennial, International (MSU) -- East Lansing, Michigan
- June 17 - 21 Laser Materials and Application Course, New York University -- Bronx, N. Y.
- June 17 - 18 Conference on Vacuum Metallurgy (AVS) -- New York, N. Y.
- June 18 Improving Day-by-Day Control of Materials and Manufacturing Schedules (IEI, MMI) -- Dallas
- June 19 - 21 Metal Complexes in Analytical Chemistry Summer Symposium, Univ. of Arizona -- Tucson
- June 19 - 26 World Petroleum Congress -- Frankfurt-am-Main, Germany



STARLIGHT BAND CONCERTS

The Starlight Band, under the direction of George Riggins, is scheduled to give concerts to coincide with family night at Fair Park. First concert was Tuesday night. No charge is made for the concerts, which are held in the Fair Park Bandshell.

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FINE ARTS THEATER

) Terry-Thomas, toothy British comedian, will be seen in a new flic beginning June 18 at the Fine Arts. The title: "Kill or Cure."

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STATE FAIR MUSIC HALL

Ginger Rogers in "The Unsinkable Molly Brown" through June 23.

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SIX FLAGS

For the Park's summer operating schedule, 750 college and high school students have been added, bringing the SIX FLAGS host and hostess staff up to 1,250 in all.

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CASA MANANA

) showing... "Song of Norway" now and through June 15, is the story of Norway's great composer, Edvard Grieg.

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A LITTLE KNOWLEDGE

Русский Урок -- RUSSIAN LESSON

GRAMMAR: (Infinitive)

To play the violin. **Играть на скрипке.** (locative case).

To play tennis. **Играть в теннис.**
To stay at home. **Сидеть дома.**

To look at. **Смотреть на** (plus the accusative).

But,

To look at a book. **Смотреть в книгу.**

To look at the window. **Смотреть в окно.**

To speak Russian. **Говорить по-русский** (adverb of manner).

Exercise: (Review alphabet and vocabulary)

1. Он писал писимó.
2. Она читала книгу.
3. Они говорили по-русский.
4. Кто работал в доме?
5. Что он делал вчера?
6. Он сидел дома и работал.

Vocabulary:

аптека - chemist's (shop_

поле - field

море - sea

лампа - lamp

день - day

неделя - week

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