

THE
SCAS
Clipboard

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No. 49

THREE FROM COMPUTER
SCIENCES TO AMHERST MEETING

Prof. Carl F. Kossack, director, Computer Sciences Laboratory, Prof. Donald B. Owen, head of the Laboratory's division of Mathematical and Stochastic Systems, and visiting Prof. James H. Abbott, will attend the 45th Summer Meeting of the Mathematical Association of America at the University of Massachusetts, Amherst, August 26 through 29.

The meeting is being held in conjunction with the American Mathematical Society; the Institute of Mathematical Statistics, the Society for Industrial and Applied Mathematics. Prof. Owen is chairman of the committee on Mathematical Tables of the IMS.

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VISITING PROFESSOR
TO APPEAR ON 'COMMENT'

Prof. Joseph Weinberg, visiting professor, M&MP division, will appear Friday, August 21 on the KRLD program 'COMMENT', a newsman's "program in conversation." It is expected discussion will center on Prof. Weinberg's layman-version of the space-time continuum. His appearance is slated for the 2 to 3 p. m. time slot. The station is at 1080 kilocycles on the radio dial.

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GEOSCIENCES REPORTS

Word from Plano is that Prof. Ian Gough is meeting with good success in his pendulum studies at White Horse, Yukon Territory. He will return around mid-September.

Prof. John Reitzel, back from Lake Powell in British Columbia, is awaiting release of his apparatus from customs so as to ascertain results of his research.

Prof. Charles E. Helsley, recently returned from Ellsmere Island near the Arctic Circle, has traveled to Oregon to gather Permian rock samples for use in further paleomagnetic studies. He is scheduled to return around September 8 or 9.

Lake Superior data are being processed for study.

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NIKE APACHE ION SPECTROMETER
COMPLETE THIS WEEK

Electronics engineer William J. Odom of the atmospheric composition group reports that the SCAS machine shop has been turning out parts for the Nike Apache experiment very rapidly. He said it was expected that the ion spectrometer will be complete this week, and added that the neutral mass spectrometer is due completion next week.

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GRAVITATIONAL COLLAPSE, OR
A Child's Garden of Baryons

Twinkle, quasi-stellar source

Radiating cosmic force

How do you, astroprodigy

Regenerate your battery?

With eye of newt or fur of bat?

With mandrake root

And things like that?

Or alphas going 'round and 'round

In Lorentz' helix tightly bound?

-- Flowerday, Heikkila
Odom, and Robottom

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PIONEER DVU TO
CALIFORNIA

Electronics scientist William C. Bartley traveled to NASA-Ames magnetic facility at Moffett Field, California, this week to take the Pioneer DVU (design verification unit) for stringent magnetic cleanliness tests.

He reported that the unit would be picked up at Boulder, where it has passed other tests and has completely qualified to 150 per cent of expected flight environment. The unit then goes to the prime contractor for the Pioneer spacecraft where it will be integrated with spacecraft electronics. Bartley noted that the SCAS unit is the first of the DVU's to be completed.

(Continued on page 3)

PROF. FAUL TO ADDRESS
RICHARDSON ROTARY MEETING

Prof. Henry Faul of the SCAS Geosciences division will address the noon meeting of the Richardson Rotary Club, Monday, August 24.

In his talk Prof. Faul will discuss age determination of rocks. The Richardson group had expressed particular interest in this facet of the geophysicist's competence.

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INCIDENTAL INFORMATION

Scientists plan to fly a potato in a satellite shot to observe the effects of radiation on its skin. Space spud?

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M&MP HEAD TO
HAMBURG MEETING

Prof. Ivor Robinson, M&MP division head, will travel to Europe next week to attend a meeting in Hamburg, West Germany. The Twelfth Annual Meeting of the International Astronomical Union will be held in the German port city from August 25 through September 3.

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QUOTE: "It's only in the laboratories that you learn to live with your uncertainties." --

G. Edelman,
Rockefeller
Institute

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PROF. JOHNSON TO SUMMER STUDY
PANEL MEETING AT WOODS HOLE

DASS head, Prof. Francis S. Johnson, will travel to Woods Hole, Massachusetts, for a meeting of the Summer Study Panel on long range scientific problems in the upper atmosphere, August 26 and 27.

Sponsored by the National Academy of Sciences advisory committee to the Air Force Systems Command of the division of Physical Sciences, and the Air Force, the summer study, which commenced on August 3, will conclude on August 28.

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DVU - (From page 2)

"Our laboratory is to be commended on the speed with which this unit has been completed," Bartley said.

Prof. Kenneth G. McCracken, Dr. U. R. Rao, and Bartley are principal investigators on the Pioneer project, with engineer Clyde Melton working on the technical administration.

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NEXT WEEK:

Bio sketch on new DASS research associate Dr. Worth Barnett Hurt, Jr.

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QUOTE: "Indignor quandoque bonus dormitat Homerus." -- Horace.

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BYE-BYE CLIPBOARD, SMALL WRITING
BOARD WITH A SPRING CLIP AT THE
TOP FOR HOLDING PAPERS

CLIPBOARD will go to a new three-column format next week.

Publication will be on Friday instead of Thursday. Deadline for copy will be noon Thursday of each week.

Smaller type will be used. An attempt will be made to achieve more terse writing.

For now -- and for the sake of continuity -- the name CLIPBOARD will be retained, although the clipboard background on the front page will no longer be used.

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DASS GROUP TO NASA
FOR MULTIPLE IONOSPHERIC
PROBES DISCUSSIONS

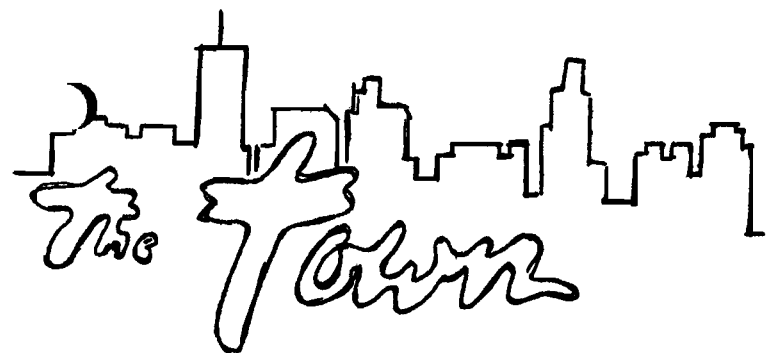
Prof. Walter J. Heikkila, research engineer Karl Tipple, project engineer Nick Eaker, and mechanical engineer Dick Morgan will leave Dallas Monday, August 24 for NASA-Goddard at Greenbelt, Maryland. The group will hold pre-flight conferences on the multiple ionospheric probes.

Prof. Heikkila, Jules A. Fejer, and research associate Dr. Olav Holt will be SCAS principal investigators on this project..

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QUOTE: "The man who first invented the art of supporting beggars made many wretched." -- Menander, 343 B.C.

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INTERESTING COURSE AT SMU

"Baton Twirling and Cheer-leading," a summer course at SMU, which began on August 9, will conclude on August 28.

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THE DEPUTY

Possibly the most controversial drama of our time, "The Deputy" is now available in paperback book form.

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MOVIES

"Nothing But the Best," at the Fine Arts last week, is a light attempt to emulate the successful "Room at the Top." With British actor Alan Bates.

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IF YOU LIKE ANTIQUES

An interesting book "Antique Collecting for Everyone," now available -- with over 200 photos. Tells how to build your own collection in the various fields of antiques -- pottery, glassware, brass, copper, woodenware, needlework, andirons, mirrors, picture frames, silk, and others.

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A LITTLE KNOWLEDGE

A man that has a taste for music, painting, or architecture, is like one that has another sense, when compared with such as have no relish of those arts. --
Joseph Addison

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A LITTLE BIT OF RUSSIAN

To retain some faint familiarity with the language -- it has been suggested that some Russian be used in this column -- but only for practice in transliteration (the transfer of letters from the Russian alphabet to that of English).

This will enable those interested to learn the Russian alphabet thoroughly -- but painlessly -- and to build some vocabulary without resorting to translation. In scientific writing, especially, many Russian words are simply transliterations of English words:

Examples: **реактор**
reactor

аэродром
aerodrome

газы
gases

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