

THE
SCAS
Clipboard

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MODELS OF NEW CAMPUS READY

DALLAS -- Architects and master planners Ford and Zisman have completed construction of models of both the Graduate Research Center of the Southwest campus site and a prototype of the laboratory buildings, GRCSW staffer C. Frank Seay said today.

Each major laboratory unit is a spacious loft-type building where laboratories and offices can be arranged in a great variety of ways -- from small one-man laboratories to spaces housing large or unusual equipment. A vertical frame makes up the center core of the building from which every needed utility can be carried vertically and horizontally to each floor in order to serve all space units, Mr. Seay reported.

In describing plans allowing for expansion of the laboratory buildings, Mr. Seay said building ends provide for unusual laboratories or facilities required for special projects. And the plan allows for expansion while retaining the efficiency and intimacy of the group of buildings which together function as a single building, he said.

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ITEM: Dr. Kenneth G. McCracken will hold a colloquium before the Goddard Space Flight Center Theoretical Group in New York Thursday, December 6.

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THEORY OF SCAS SCIENTIST CONFIRMED?

"In relying heavily on research by U.S. scientists the Soviet Union may have waited unnecessarily for over a year before launching their two astronauts," was the speculation of one SCAS scientist in the August 30 issue of the CLIPBOARD. One possible explanation of the delay is that they were afraid of the effects of the solar flare cosmic rays, the scientist said.

"The joke on the Russians," he continued, "is that solar flare cosmic rays are thousands of times less intense than we had thought -- and they have always accepted our numbers on this."

Dr. Ernst J. Opik, University of Maryland astronomer was quoted recently as saying: "The United States has produced 99.5 per cent of all new information about space." And he says he will be surprised if the current Russian space vehicle headed for Mars produces any significant scientific knowledge.

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GRCSW BOARD MEETS

BOSTON, Mass. -- The Board of Directors of the Graduate Research Center of the Southwest met in the Ritz-Carlton Hotel in Boston, Monday, November 26, 1962. All members were present.

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ONR VISITORS TO SCAS

DALLAS -- Dr. L. C. Marshall, Chief of Scientific Personnel, SCAS, reports the visit of Captain C. J. Schroeder and Mr. Lloyd White of the U. S. Office of Naval Research Chicago Branch Office to SCAS recently.

In talks with Dr. Berkner, Dr. Hales, and Mr. Robottom, programs of activity under way at the Center were reviewed, and the ONR men expressed interest in the future activities here, particularly any being carried out in materials research, Dr. Marshall said.

He noted their interest in improvements in semiconductor laser devices, particularly in regard to large crystals and materials for solid state low temperature laser devices.

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ITEM: Dr. A. M. Lenchek, Department of Physics of the University of Maryland will hold a Seminar at SCAS on December 7, 1962.

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IMPORTANT MEETING BEGINS TODAY

AUSTIN, Texas -- The Joint Meeting of the National Academy of Sciences-Texas Academy of Sciences begins in Austin today. GRCSW participants -- Dr. Lloyd Berkner, Dr. Anton L. Hales, Dr. Alexander J. Dessler, and Dr. Jules A. Fejer.

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You are an astronaut -- for the Earth is simply a huge space ship sailing around the Sun at 67,000 miles an hour carrying its own food and oxygen supply. -- Spilhaus and Evans.

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FRONTIERS OF SCIENCE

A unique group, The Frontiers of Science Foundation, has succeeded in firing the enthusiasm of the state of Oklahoma in conquering the frontiers of science and technology.

Since 1955 -- with James E. Webb, now NASA Administrator as its first president -- the Foundation's stimulus has given the state one of the most modern and improved programs in mathematics and science education as Oklahoma now leads in its adoption of newly revised curricula in secondary school mathematics.

They tested 60,000 students to identify youngsters of outstanding ability and to evaluate the effects of their high school curricula. Results -- 7000 students with promising aptitude for advanced work -- plus signs of weakness in science and math curricula.

In five years the numbers of schools offering advanced courses increased by 500 for math and 468 for sciences! Student enrollment soared by 13,982 and 12,709 respectively.

Lauding the Oklahoma effort, Dr. Lloyd Berkner said the effect of the Foundation's work has already been felt in the universities of the state, in that they report the interests and the quality of entering freshmen are vastly improving.

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False facts are highly injurious to the progress of science, for they often endure long; but false views, if supported by some evidence, do little harm, for every one takes a salutary pleasure in proving their falseness. -- Darwin.

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CALENDAR OF WEEKLY SCIENTIFIC EVENTS

- November 29 - 30 Ultrasonics Symposium, sponsored by IRE/
PGUE, New York
- December 2 - 6 American Institute of Chemical Engineers,
55th Annual Meeting - Chicago
- December 3 Writing and Editing Engineering Reports,
Seminar (IEI) - Dallas
- December 3 - 6 Computer Conference, Fall Joint meeting -
(IRE, PGEC, AIEE, ACM)- Philadelphia
- December 4 Symposium - History of the Earth's Atmosphere
2 p.m. ~~SCAS Seminar Room, 3rd floor SIC Bldg.~~ *Cancelled*
- December 4 An X-Ray diffraction Study of Epitaxially
Induced Strains in Oxide Films Grown on
Copper. Dr. Bernard Borie - Purdue University
- December 4 Power Generating and Rotating Machinery
Group - Mr. H. P. Cooper of TEXCo. - DP&L
NE Service Center, 7:30 p. m. - Dallas
- December 5 The Ionosphere - Dr. W. B. Hanson, SCAS
Seminar Room, 3rd Floor SIC Bldg., SMU
- December 5 AIEE - Industrial Engineers - W. D. Barclay,
Manufacturing Management Control Techniques
Fort Worth
- December 5 - 6 Electric Furnace Conference - (AIMM and PE,
TMS) - Cincinnati
- December 6 Tri Cities Physical Society - Dr. U. O.
Hermann, Arlington State College, "Theory
and Application of Shaped Explosive Charges"
8 p. m. - Arlington State College
- December 6 Dr. Marvin Kastenbaum - Mathematical Panel
of Oak Ridge National Lab - "Some Experience
with Fitting Non-Linear Models to Biological
Data"- 8 p. m., Fondren Science Bldg., SMU
- December 6 - 8 18th Southwest Regional Meeting, American
Chemical Society, Statler Hilton, Dallas
- DECEMBER International Conference on Satellite
Communication, London, England. Contact:
Secretary, IEE, Savoy Place, London, W.C. 2



JULIUS CAESAR AT THEATER CENTER

"An exciting and fresh approach to Shakespeare's classic tragedy," is promised December 4, at 8 p. m. for the opening of the Center's second major production of the season.

With a cast of 67, the Center's "Julius Caesar" will be directed by resident artist David Martin. Performances are scheduled for December 8, 11 and 15; matinees December 8 and 15 at 2:30 p.m.

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Our man on the aisle reports on the Pearl Chappell Playhouse production of "Threepenny Opera": "I saw this in the off-Broadway production at the Theatre de Lys -- where it ran for years -- and even in comparison, I must say this is simply marvelous. The house was packed -- and enthusiastic in appreciation." Tonight and Nov. 30.

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STATE FAIR MUSIC HALL

"Othello" at 8 p. m. Nov. 30, with Mario del Monaco. Man on the aisle reports that this tenor has achieved near perfection since he first attended del Monaco's "Othello" ten years ago; then, our man reports, the tenor was mostly just "energetic"; bringing frightened shrieks from the audience in his roll from the dais after killing Desdemona.

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A LITTLE KNOWLEDGE

Great Hall, Student Center will be the place -- the event, a Forum Committee Lecture: Dr. Donald Zagoria will speak on "The Sino-Soviet Dispute." Time: 4 p. m.

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Russian Lesson: In many ways Russian is similar to other European languages. An inflected language, it resembles Latin, Greek and German in morphology. Difficulties of the Russian alphabet have been greatly exaggerated. Here is the third letter:

B b v as in vice

Note, the capital B is printed as ours, the small b, no.

This language, in that every sound is represented by a separate sign, may be considered phonetic. Please note that no letter serves more than one purpose -- and that two letters never represent one sound.

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"Education is a companion which no misfortune can depress, no crime can destroy, no enemy can alienate, no despotism can enslave.

"At home a friend, abroad an introduction; in solitude a solace and in society an ornament. It chastens vice, it guides virtue, it gives, at once, grace and government to genius. Without, what is man? A splendid slave, a reasoning savage." -- Joseph Addison.

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