

THE
SCAS
Clipboard

Vol. I

September 27, 1962

No. 5

DR. BERKNER HOLDS PRESS CONFERENCE

DALLAS -- First official announcement of the future site of the Graduate Research Center of the Southwest and its aims was made by Dr. L. V. Berkner, President, at a press conference on Thursday, September 20.

Newsmen present at the meeting, which was held in the GRCSW Conference Room, were Bill Winfrey and Carlos Conde of the Dallas Morning News, Bob Fenley of the Dallas Times Herald, Joe Murray of the Rominger Agency, representing the Hunt properties, David Nevin, freelance writer, Shel Hershorn, Black Star Publishing Company of New York, Jack Robertson of Electronic News, and Jean Thompson of the Dallas Chamber of Commerce.

Dr. Berkner told the newsmen a series of announcements on the Center's building program would be made before the end of the year, and described a protective area of a mile to be built around the laboratories carrying out research activities.

He indicated that the different divisions of the SCAS laboratories will be formed as people become available, and spoke of a projected growth to 900 in five years.

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Dr. William B. Hanson is featured in this week's biographical sketch -- see page 2.

TOP SCIENTIST JOINS SCAS

DALLAS -- Dr. Kenneth G. McCracken, formerly with MIT, and, as one SCAS scientist puts it, "an order of magnitude better than his closest competitor," took up his duties in the Upper Atmosphere and Space Sciences Division of SCAS Monday.

Queried further as to the term "closest competitor," used in connection with Dr. McCracken's work, the SCAS scientist interviewed explained that in the scientist's work of adding to understanding of nature, Professor McCracken has been able to contribute more to that understanding and to better interpret nature in the light of observational data than any other scientist.

A space scientist whose field is mainly cosmic rays from the sun, Dr. McCracken is particularly interested in studying the interplanetary medium and the interaction between cosmic rays and that medium.

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GRCSW GOES ON 40-HOUR WEEK

From the office of R. N. Stohl, GRCSW vice president, comes the announcement that new office hours affecting all personnel will begin October 1, 1962: Five days per week, Monday through Friday, from 8:30 a. m. to 5:00 p. m., with 30 minutes for lunch.

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DR. WILLIAM B. HANSON

From Warroad, Minnesota, where he was born -- a town named for an old Indian warpath -- to the amphibious "battle of Indian River" in Florida in 1944, to his marriage in 1946 to Wenonah Dahlquist, whose given name is Chippewa Indian for Firstborn Daughter, to his skill with a bow and arrow, Dr. William Bert Hanson's path toward becoming a distinguished ionospheric physicist is colored with contrasts of yesterday and today -- Original American and Outer Space.

Before joining SCAS in August, 1962, Dr. Hanson worked in the Space Physics Division of Lockheed Aircraft Corporation in Palo Alto, California.

Of Norwegian-Swedish parentage, Dr. Hanson graduated from the University of Minnesota in 1944 with a degree in cosmical engineering. From 1944 to 1946 he served as an Ensign in the U.S. Navy.

After receiving the M.S. in physics from the University of Minnesota in 1949 Hanson worked as Research Physicist in the Cryogenic Physics Section of the National Bureau of Standards in Washington, D. C. He won the Ph.D. in physics at George Washington University there in 1954.

During the five years from 1949 to 1954 Dr. Hanson worked with liquid helium, seeking to discover its basic properties. In 1954 he worked with the Bureau of Standards Cryogenic Engineering Division in Boulder, Colorado, where his work was concerned with low temperature properties of all matter.

Dr. Hanson's work at SCAS will be with a theoretical and experimental group, which he is in the process of recruiting. He and his group will do some theoretical and analysis work, as well as carry out ionospheric experiments.

Co-author with SCAS scientists Dr. Francis S. Johnson and Dr. A. J. Dessler, of a book entitled "Satellite Environment," Dr. Hanson has also written articles published in scientific and technical journals and has attended international scientific conferences in Paris, Liege, Helsinki and Copenhagen.

With his marriage to Norwegian-Swedish Wenonah Dahlquist, the Hansons continued their pure Scandinavian strain. They are the parents of 15-year old Bryan, Craig, 14, David, 12 -- and Karen, 3.

An enthusiastic hunter, either with gun or bow and arrow, Dr. Hanson says he enjoys trying his marksmanship on deer, elk, rabbits, ducks -- and he indicated an interest in finding hunting partners with similar interests.

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OF SPECIAL INTEREST

DALLAS -- (Special to GRCSW) -- One of the great untold stories of our time will come dramatically alive when the documentary series "Prospective on Greatness" presents an historic and exclusive profile of Robert Hutchings Goddard -- "Father of The Space Age" -- Thursday, September 27, 9:00 p.m., on WFAA-TV, Channel 8.

An American, who was little known in his lifetime, Dr. Goddard was the first man to launch a liquid propellant rocket in 1926. He later developed a gyro-stabilization apparatus for rockets; was the first to patent the idea of multi-stage rockets; and recover a rocket by parachute after launching. From pre-launch to recovery the program records Goddard's rocket firing, in 1930, when rocketry flights were looked upon as utterly fantastic. Viewers will be amazed to see how Goddard's launching methods have influenced the space flights of today.

THIRD SCAS SEMINAR

DALLAS -- Third seminar of the Upper Atmosphere and Space Physics series will be held in the Seminar Room, third floor from 8:30 to 10:30 a. m., Wednesday, October 3.

Dr. Francis S. Johnson reports that treatment of solar radiation will probably continue at this meeting.

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SAN ANTONIO SYMPOSIUM

SAN ANTONIO -- Southwest Research Institute will sponsor a symposium on physics and nondestructive testing in San Antonio at the Granada Hotel, October 2, 3, and 4. Banquet speaker on October 3 will be Dr. J. A. Salkowski of the Office of Naval Research.

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REACTION TO SEMINAR

DALLAS -- "I have already had occasion to refer to my notes on the earth's shape taken at the seminar on Geopotential and Particle-Orbits," says Dr. Fred Hells Holmquist of SCAS Earth and Planetary Sciences Laboratory.

He noted that the SCAS seminars will be an excellent way of keeping up with what is new, what is being thought about and what is important.

In discussing publication of papers and articles written by SCAS scientists, Dr. Holmquist said he thought the seminars would be particularly useful in getting other opinions before considering publication.

Dr. Holmquist is working on a new electromagnetic theory and its application to terrestrial magnetism.

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SCAS VISITORS

DALLAS -- Dr. L. C. Marshall, chief, Office of Scientific Personnel, reports the visit of Professor Murray L. Babcock, University of Illinois, and Mr. Norman Rautiola of Texas Instruments to SCAS last week.

Professor Babcock of the University's Department of Engineering, evinced interest in the purposes and objectives of SCAS, particularly in the proposed biomedical engineering division that is in the process of being formed.

A leader in the field of cybernetics, Prof. Babcock is concerned with learning machines, simulating networks of neurons, with specific interest in the coding techniques for communicating with these machines, or with giving them instructions.

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ITEM: Dr. Brian O'Brien, who gave two talks on the general subject of the Van Allen Radiation Belt here recently, was for several years with the Australian Antarctic Research Division before coming to the U.S. to work with Dr. James A. Van Allen.

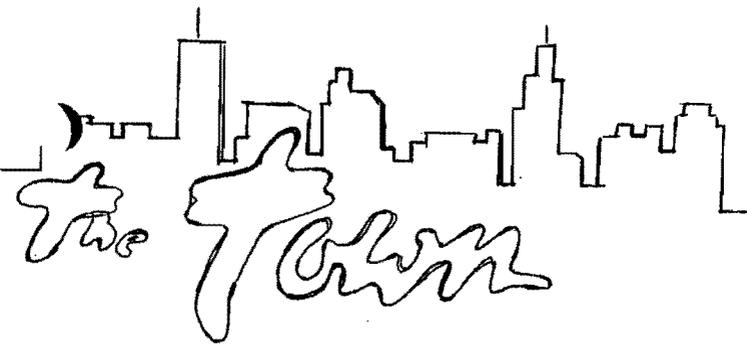
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From your daily newspaper, back page, section one:

MARINER'S SIGNAL CONTINUES STRONG

WASHINGTON (AP) -- The following report on the progress of Mariner 2 was released Sunday by the National Aeronautics and Space Administration. Mariner 2, launched Aug. 27, is expected to pass within 9,000 miles of Venus Dec. 14. Distance from the earth -- 4,381,295 miles. Distance from Venus -- 44,812,730 miles. Radio signal: Good.

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DALLAS THEATER CENTER

"...designed to liberate the stage from the shackles of tradition and afford a more plastic and intimate means of dramatic presentation." These are Frank Lloyd Wright's own notes on his design for the Theater Center. The building is a dramatic experience in itself. Within the circular stage area is a revolving stage of 30 feet diameter. There is a total playing area of 80 feet across the stage. It seats 444 people.

The Theater Center conducts regular guided tours Monday-Friday at 12 and 1:30; Saturday at 12:30 and 1 p.m., and Sunday from 1:30 to 4:30 p.m.

Next week: Graduate School of the Dallas Theater Center -- credit given toward M.S. in Drama.

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ARTIST TO LECTURE HERE

Henry Gasser, N. S., widely known New York artist and lecturer will give a lecture demonstration Friday, Oct. 5, 1962, at Highland Park Town Hall, 4700 Drexel Drive, from 7:30 p.m. to 10:30 p. m.

Sponsored by Artists and Craftsmen Associated of Dallas, Gasser's lecture will deal with the use of water color and casein, and composition in the use of these media. Gasser is also author of a current book on this subject.

The sponsors announce that the public is invited; tickets can be obtained at the door.

CONCERT FOR ORGAN AND STRING ORCHESTRA

DALLAS -- Samuel Adler, director of music at Temple-Emanu-El, professor of composition at North Texas State Univ., and instructor of fine arts at Hockaday School, will conduct the orchestra; the organ soloist will be Paul Lindsley Thomas, organist and choirmaster at St. Michael and All Angels Episcopal Church, where the concert will be played, Monday, October 1, 1962.

Works of George Frederick Handel, Wolfgang Amadeus Mozart, Francis Poulenc and Mr. Thomas will make up the program.

St. Michael's is located at 4300 Colgate Avenue. The program will begin at 8:30 p. m.

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EDUCATIONAL TV

BLACKPOOL, England (AP) -- Charley Bayley, 80, credits television with helping him get an education. "I got so sick of the programs, that one night I shut the thing down, left my house, signed up at a night school," he said.

That was five years ago and now he holds certificates of proficiency in English, French, mathematics and Latin.

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A Great Neck, N. Y. publishing company has come out with the first, all-science encyclopedia written, illustrated, and edited expressly for all children of school age -- from Aeronautics, Algae, Anesthetics -- to Zoisite, Zwitter, Zymurgy.

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