Moon soil study



See U. M. Alexander, Jr. '40 221 S. Main, Bryan 823-0742





FORMER BOARD MEMBERS Sterling C. Evans (left) of Houston and Wofford Cain (right) of Dallas, both of whom retired in January from the Texas A&M University System Board of Directors, receive plaques of appreciation from Board President Clyde Wells of Granbury and Dallas. Evans and Cain, both Texas A&M graduates, have combined service and association with their alma mater totaling more than 100 years.

## Singing Cadets are honored at annual awards banquet

including four who have served ing thanks for their participation through the choral group five April 18 in the White House reyears or more, have been cited ligious service. by the organization.

Brownsville and Tom Gerald of Amarillo and John Roby of Housamong 54 Singing Cadets honored at the annual awards banquet.

President and Mrs. Jack W. Williams attended the Saturday night event, at which videotape of the Singing Cadets' performance on the Ed Sullivan Show was

Members of the Singing Cadets, President Richard Nixon, extend-

Five Honorary Singing Cadets Fourteen-semester members Tim were named and presented plaques Webb of Houston and Jim Cain of at the banquet. Boone noted that honorary memberships are presented to individuals who have ton, with 10 semesters each, were given outstanding support and service to the organization.

New honorary members are Mrs. Phillip Hamman, "Town Talk" program host on KBTX-TV; Frank K. Nicolas, staff assistant to the commandant; Mr. and Mrs. Bill Tharp of Bryan, whose son Bill is a senior mem-Director Robert L. Boone also ber of the Singing Cadets, and read a letter to the Cadets from John West, A&M information of-

They joined 25 honorees named since 1964, including Cong. Olin E. Teague, the late Gen. Earl Rudder, Mrs. Margaret Rudder, Mrs. John Connally and Mrs. Minnette McFarland.

Officers for 1971-72 also were introduced. They are president Bill Peavy of Dallas; vice president James McLeroy, Houston; business manager Fred Jackson, Rockport; publicity manager James Randolph, Monahans; "Fermata" editor Mark Kidd, Harlingen, and librarian Bill Cox, Richardson.

Outgoing president Larry Altman of New Ulm presented gifts to Boone and Mrs. June Biering, pianist-accompanist

being done here A&M's nuclear reactor is being sues. used by the National Aeronautics

and Space Administration to activate lunar material used in experiments with plants. of the Nuclear Science Center, of five experiments involving said the facility is radiating five

grams of lunar fines. The material was furnished by Dr. Paul S. Baur Jr. of North Texas State University who serves as an electron microscopist in the Botany Section of the Lunar Receiving Laboratory at NASA's Manned Spacecraft Cen-

ter in Houston. Dr. Baur said the material, obtained on the Apollo 11 flight, will be placed around the roots of lettuce, which will be allowed to grow for two weeks and then be tested for incorporation of any

The NASA visiting scientist said the experiment marks the first time activated moon material has been placed on plant sys-Dr. John D. Randall, director tems. He said this is the first three activations.

> After being activated, the moon material will be allowed to "cool" for approximately 30 days before beginning the lettuce experiment. The plants will be grown at the Nuclear Science Center.

Unactivated lunar material has previously been placed on plants, Dr. Baur noted, with the surpris ing result that some of the plants grew taller and greener.

He said the current series of experiments is designed to determine what substance in the lunar material is responsible for radioactive material in plant tis- the improved growth.

## Research taking guesswork out of chemical plant design

Research which is taking some of the guesswork out of the design Humble plant in Baytown to coland operation of chemical plant units is a cooperative effort of devise a mathematical model to the Department of Chemical Engineering and various Texas oil liquid extraction. and chemical corporations.

Dr. C. D. Holland, department head, said that the approach in which Aggie graduate students make use of industrial equipment as the pilot plant needed for research study was innovated to work toward better understanding among educational institutions, industrial organizations, and federal supporting agencies.

Reasoning that their industrial counterparts are too busy running their units to spend much time in studying the theory of the processes going on inside, the Aggie engineers work with company personnel at the plant site to conduct research in the interest of both education and practical

Ph.D. in chemical engineering, service by A&M University.

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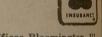
Gregori Pendon does similar sampling and analysis at Mobil's installation at Vanderbilt. His Ph.D. dissertation will deal with the adsorption process.

Holland has been principal investigator of the research program in which Hutton and Pendon are now participating since 1967 with support from the National Science Foundation. Several Ph.D. dissertations and numerous journal articles have resulted from the research of students who have now graduated.

The reults of this research may be used to improve present operations and to design new processes. These sophisticated, yet useful models are being furnished to the Adrian Hutton, working on his Texas oil industry as a public



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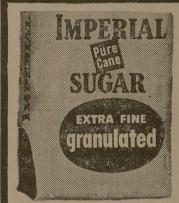
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