

E Professor Retires, Will Make New Job

A long-time research engineer and civil engineering teacher at A&M will retire Aug 31 — only to take up new duties in his home state of Alabama.

Prof. Henson K. Stephenson, a 19-year engineering faculty member, received his certificate of retirement from President Earl Rudder, Friday.

Beginning Sept. 1, Stephenson will be on the University of Alabama civil engineering faculty to develop a graduate program in civil engineering. He will also plan graduate and undergraduate programs in structural engineering.

Stephenson is well known in engineering circles for his research in development of highway bridges, and studies important to the design of heavy trucks on highways.



Engineering Professor Retires

Henson K. Stephenson, (second from right), for 19 years a research engineering and civil engineering professor, receives a Certificate of Retirement from President Earl Rudder. Looking on are Fred J. Benson (left), dean of engineering, and S. R. Wright (right), civil engineering department head. Stephenson will join the University of Alabama staff September 1 to develop a graduate program in structural engineering. (Texas A&M Photo)

NSF Speaker Says MOHOLE Crew May Not Find Crust On Ocean Floor

A theory that the ocean floor has no crust and that the depth probe, Project Mohole, will reveal less-than-anticipated fossil history is advanced by a guest lecturer here.

Dr. Robert S. Dietz of the Navy Electronics Laboratory, San Diego, Calif., outlined his hypothesis before A&M participants in the National Science Foundation summer program here.

The Navy oceanographer said that because the ocean floor has buoyant crust, powerful convection heat forces, — from within the earth's mantle — has caused the separating and spreading of continents on earth.

It is his contention that the continents are the true crust of the earth. At the same time, the floor continued to spread — as much as a half inch a year.

Heat Powers Mass

Powering this mass movement is large-scale thermal convection, aided by decay of radioactive minerals operating within the mantle.

Dietz' theory is based on what he called the "steady-state earth hypothesis." This is in contrast to the conventional geological

theory that the earth's continents and ocean basins are the results of the steady cooling and shrinking of the global mass.

Growing scientific evidence indicates that the earth's continents have not always been fixed and anchored in their present positions. The relative shapes of coastlines of North and South America appear to fit roughly together like separated pieces of a jigsaw puzzle with Europe and Africa.

Then, too, studies of the magnetic orientation of rocks in Antarctica, Australia, and the southern regions of South America and Africa indicate these widely separated land masses were once much closer together.

More Study Needed

Dietz points out that since there is no apparent deformation of the sea floor such as a moving continent would cause, more study should be given to another possibility.

That is: perhaps the sea floor, itself, has moved and carried with it the continents — thus separating the pieces of the jigsaw puzzle, so to speak.

This movement is caused by the heat from convection currents in

the plastic material of the mantle. The circulatory motion caused from the hotter materials moving upward and the cooler materials downward to take its place form "convection cells."

Two such convection cells, flowing opposite directions in the mid-Atlantic would gradually move the continents away from the area where the heat was rising at the mid-Atlantic ridge.

Dietz said that Mohole drillers will discover much less in the way of fossil history of the earth than they expect when sediment cores

ORIENTATION

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in another general assembly in the coliseum. J. Gordon Gay, coordinator of Religious Life and General Secretary of the YMCA will preside at this meeting.

After an early breakfast Friday, those who did not register on Thursday afternoon will begin their registration. Then at 1:15 p. m. Dean of Students James P. Hannigan will tell the entering freshmen about "Student Life at A&M" and "Student Activity Programs" in a program in the Coliseum.

At 3 p. m. cadets will stay in the coliseum for a meeting with Col. Joe E. Davis, Commandant of the Corps of Cadets. Civilian students will move to the Assembly Room of the MSC for a meeting with Director of Student Affairs Bennie A. Zinn.

Saturday Schedule

At 8 a. m. Saturday all cadets will again meet in the Coliseum with Col. Davis and Corps Commander William D. Nix, who will explain Corps life at A&M.

Saturday afternoon the students have free time to use as he sees fit. Recreational facilities will be open for use. Students wishing to leave the campus can secure permission to do so, but Ransdell advised they be back no later than 9 p. m. Sunday in order to prepare for the beginning of classes on Monday.

Computer Science Graduate Degree To Be Offered In Fall

A graduate program in computer science will formally get underway this fall at A&M.

The new graduate program, designed for men with bachelor degrees in engineering, mathematics, physics, will lead to a Master of Computer Science degree.

Working with the new program is the Department of Industrial Engineering will be Robert L. Smith, Jr., head of the Data Processing Center.

The new program — one of the first of its type in the South — was formally approved this spring by the Texas Commission on Higher Education.

Up to 20 graduate students a year will be accepted in the new program. Smith said many industries are calling for computer science graduates and the Army, Navy and Air Force are interested in sending selected officers to enter the program.

A focal point of the new graduate degree program will be the Data Processing Center that is packed with more than \$4 million worth of computer equipment.

At the heart of the Center is the IBM

709 — a complex of 21 units capable of reading and writing at the rate of 15,000 characters per second and computing information at the rate of 40,000 arithmetical operations per second. A recent addition of a tape-oriented IBM 1401 computer has quadrupled the input and output of magnetic tapes and vastly increased the efficiency of the 709's capabilities.

Curriculum for a master of computer science degree includes graduate courses in numerical analysis, computer methods, computer languages, numerical methods in differential equations, computer methods in applied sciences and logic of information processing.

Book Store Plans Freshman Branch

A special branch of the Exchange Store is being established in the lounge on the ground floor of Leggett Hall, so that students buying books in September can have a little more space and ease of movement.

Books for freshmen will be checked in the temporary branch, while all upperclassmen may buy their books in the usual section of the Exchange Store.

Manager Carl Birdwell said the Leggett Hall branch will remain open for a week after the registration period. "Temporary establishment of the branch store is being done as a convenience to students," Birdwell said.

William Price of the store staff will manage the freshman branch.

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SPEAKER SAYS RESPECT LOST

More People's Cooperation Needed In Law Enforcement

A greater awareness and more cooperation by citizens at all levels are needed to help police combat the growth of crime in the United States, A. F. Brandstatter, nationally-recognized police administrator, said here.

Speaking at an Institute on Police and Community Relations, Brandstatter warned the more than 60 participants that they must make the public more aware of the increase in crime.

Brandstatter is director of the Michigan State University School of Police Administration and Public Safety. The four-day institute will end today. It is sponsored by the Texas Engineering Extension Service.

New frontiers which challenge the police and needing both review and radical change are police personnel management, police patrol practices, organizational patterns, the concept of crime prevention, and activities which have been scrutinized by every congressional and state investigating agency, said Brandstatter.

"Beginning in the 1920's we be-

gan to witness a slow but steady loss of respect for the law enforcement arm of government," Brandstatter said, "and perhaps it has reached its peak in 1961 and 1962. If not, I fear for the future of law enforcement as we know it today."

Federal authority is creeping ever closer to assume additional enforcement responsibility for local crime problems, he said, adding that the most recent legislation proposed seeks authority for federal agencies to have jurisdiction over football pools that corrupt university and college football players.

"If this type of legislation continues," Brandstatter declared, "we will, in fact have a national police agency. What is needed in American law enforcement is an organization exclusively for the municipal police officer, organized in such a way that its board of directors would comprise the senior police administrators of municipal police service."

Development of a successful police and community relations pro-

gram demands a re-examination of ourselves at the community level, Brandstatter said.

"We must define the kind of community in which we want to live and to rear our children — not relinquish its definition to the handful of people who seek to exploit ignorance and weaknesses of the human flesh," he declared.

"A sound society will not be assured until we achieve a high level of individual self-control and responsibility which characterize moral men," he said. "New laws and social controls are not the sole answer. We must respect the spirit of the law, as well as the letter of the law."

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These prices good thru Sat. August 25. In Bryan only. We reserve the right to limit.