

# Boyd To Address TTI Conference

Transportation Secretary Alan Boyd will visit the research facilities of Texas A&M's Texas Transportation Institute March 28 prior to addressing the university's 10th annual transportation conference.

Maj. Gen. John P. Doyle (USAF-Ret.) of A&M's MacDonal Chair of Transportation, conference chairman, said Boyd will tour the university's Research Annex shortly after his 9 a.m. arrival from Washington.

TTI Director Jack Keese will head a team briefing the secretary on various projects of the institute. Among the programs to

be covered are "break-away" posts and poles, impact attenuation devices, freeway lighting, traffic surveillance, skid resistance and railroad grade-crossings.

The TTI team also will explain plans for the institute's new Highway Safety Research Center which officials here hope will eventually be designated the National Highway Safety Center or one of the regional centers.

Boyd's noon address highlights opening-day activities for the two-day conference co-sponsored by the Transportation Association of America.

Approximately 200 prominent transport leaders from industry and government will attend the meeting, Doyle said.

Theme of the session is "Updating Transportation Law." Doyle noted the controversial topic was selected in anticipation of federal legislative and executive activities in this area within the next few years.

Boyd will be accompanied by his wife, a military aide and at least one other assistant.



ICE SLAMS BEACH HOMES

Jagged piles of ice, carried along by 35-mile-an-hour winds slam into beach homes at Bay City, Mich., and causing havoc to sea walls, boat hoists and other equipment. (AP Wirephoto)

# Howard University Closes, Students Demand Changes

WASHINGTON (AP)—Predominantly Negro Howard University shut down indefinitely Wednesday after several hundred students keeping tight control of the administration building prepared for a second straight lie-in night.

The students, demanding broad changes in the school's operations, including "black education," said they would not leave until the university drops any planned disciplinary action against 30 students who disrupted a Charter Day program on the campus March 1.

University officials including the president, James M. Nabrit Jr., would not make themselves available to newsmen but issued a statement saying parents of all students had been notified that classes and other school activities have been suspended.

"The university will exert every effort to reopen the university at the earliest possible time and will continue to explore and consider all means of resolving the problem of the students' protest and unrest," the statement said.

University officials made no attempt to enter the building during the day. Their statement was issued by a public relations spokesman who declined to identify the authors.

Outside several hundred students rallied during the day. The group included about half a dozen faculty members and about 10 white students.

At the Charter Day ceremonies, a group of militants went to the podium and listed various student demands.

# Anthony Conducts Plastic Research

A project in plastics and synthetic rubber research titled "Kinetics of Homogeneous Anionic Polymerization" is in progress at Texas A&M under the direction of Dr. Rayford G. Anthony, assistant professor of Chemical Engineering, the principal investigator.

The study is funded by a National Science Foundation two-year grant, which was awarded to the Texas A&M Research Foundation.

Objective of the research, according to Dr. Anthony, is to verify theories concerning the molecular weight distribution curves of three "high" polymers—styrene, isoprene, and butadiene. Determination of kinetic parameters which are used in the various theories will allow more efficient operation of reactors making the three polymers. Conditions may be predicted for producing a polymer with specified mechanical properties.

Laboratory polymerization reactions in the presence of different solvents will be conducted. The molecular weight distribution will be determined by use of Gel Permeation Chromatography.

Dr. C. D. Holland, head of the Department of Chemical Engineering, will act as consultant on the project.

Research assistants are James L. Kuester, Ph.D. candidate, and Gene Teaney, master of engineering student. Both have previous petrochemical industrial experience.

Dr. Anthony received B.S. and M.S. degrees in chemical engineering from Texas A&M and his doctorate from the University of Texas. He held research engineering positions at Petroleum Chemicals, Inc. and Sun Oil before assuming his present position in 1966.

The work is seen as a contribution to Texas A&M's expanding capability to polymer research.

# CATE Center Sets Unique Tele-Lecture

Texas A&M's blackboard-by-wire network will be put to the test Saturday when the Creative Application of Technology to Education (CATE) Center here relays a lecture from Washington, D. C., to 15 south-central Texas sites.

Dr. Thomas J. Moffett, CATE director, said the tele-lecture by Dr. J. Lloyd Trump will be the first of its type in the nation, considering the relay aspect and large number of sites involved.

The talk by Dr. Trump, associate secretary of the National Association of Secondary School Principals and author of numerous professional books, will be presented "live" to principals and teachers assembled in classrooms in an area stretching from Huntsville to Hearne and Navasota.

Dr. Trump's 9 a.m. lecture will cover innovative practices for educators in improving curriculum and instruction.

Moffett pointed out that tele-lectures are frequently conducted between two points, but in this case the operation will involve 17 locations and a relay capability.

He explained the one-hour relay will be accomplished by using back-to-back tape recorders at the CATE Center on the A&M campus. The system will require only a one-second lag between the time Dr. Trump speaks in Washington and the time his voice is heard in the various classrooms.

"This will demonstrate the capability and versatility of a tele-lecture system to reach large numbers of people spread over a wide area," Moffett noted.

"With Dr. Trump's commitments, it would be extremely difficult to bring him to the A&M campus," Moffett explained, "and it would be practically impossible to make him available in person to the various schools served by our network."

Utilizing these new electronic techniques, however, he pointed out it is now possible to make available such a national resource person to small as well as large schools.

Moffett noted CATE has duplicated a series of color slides which will be shown in each of classrooms when directions are given by the speaker. Material drawn from Dr. Trump's talk also has been duplicated and will be available to the participants.

Schools receiving the lecture are A&M Consolidated in College Station, Allen Military Academy, Stephen F. Austin in Bryan, Brenham Kemp, Caldwell, Yoe in Cameron, Crockett, Hearne, Huntsville, Madisonville, Navasota, Rockdale, Snook and Somerville.

The lecture also will be presented to a group of A&M professors and invited guests at the CATE Center, Moffett said.

A&M's 15-school blackboard-by-wire network is the largest of its kind in the nation. It is conducted through a federal grant to the A&M Consolidated School District.



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