

Junior Sweetheart, Hayride, Drill Team Topped Weekend



CAROL MIKOLAS
... Temple beauty reigned at Junior Ball.



Jerry Lee Lewis
... Rock and Roll singer stole the show.



FIRST PLACE AWARD
... President Rudder presents trophy to Fish Drill Team.

The Battalion

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Teaching By Wire On Graduate Level Pioneering Here

A&M has become the first university in the nation to make use of the "blackboard by wire" system for instructing graduate level classes.

The chemistry department has been using the system on an experimental basis since Feb. 15. Equipment for the system has been installed by The Southwestern States Telephone Company, a subsidiary of General Telephone & Electronics Corp.

Dr. Bruno J. Zwolinski, head of the department, said first tests of the system have proven quite successful, and that new uses of the system are being explored.

Consisting of three recent innovations in electronics, the "blackboard by wire" makes use of two regular telephone circuits. E. H. Danner, president of Southwestern States, said the complete system uses two data sets, an Electrowriter and a Tele-lecture unit, along with a regular telephone instrument.

A&M has been using the system in its chemistry department for two graduate level courses, Advanced Quantum Mechanics and Statistical Thermodynamics.

Dr. Richard M. Hedges, associate professor of chemistry, in lecturing to the quantum class, works from his office or another location on the Chemistry Building. A data set, the transmitter for the Electrowriter and a telephone equipped with a headset are located there.

Hedges first activates the data set by pressing the "talk" switch and dialing the telephone number of a second data set located in the lecture hall. A student answers the lecture hall data set. Hedges and the student check out the circuit, and when the lecture is ready to begin, "write" switches are pressed on both data sets.

The Electrowriter transmits through the first data set, and the data set in the lecture hall activates a receiving Electrowriter which writes the message on a transparent film which is projected on a large wall-mounted screen by an opaque projector mounted above the receiving unit.

When the Electrowriter is ready for operation, Hedges uses the regular telephone to dial a number which has been assigned to a Tele-lecture unit in the lecture hall. This unit provides the audio portion of the system. Students in the lecture hall may communicate with Hedges by use of a microphone attached to the Tele-lecture.

Using a special pen connected to the transmitting Electrowriter, Hedges writes various symbols and formulas on the transmitter's paper tape, explaining his actions by means of the headset attached to the regular telephone. The symbols are transmitted to the receiving Electrowriter and are projected on the viewing screen.

Both telephone circuits used in the operation operate through the College Station exchange of Southwestern States.

Dr. C. Randolph Wilhoit, associ-

ate professor of chemistry, conducts the statistical thermodynamics course in the same fashion.

Dr. Edward A. Meyers, chairman of the university's Tele-Audio Visual Systems Committee, said that by use of the "blackboard by wire" system "we can get information across to the class with no great loss of information."

Although the system has been used on an experimental basis, Meyers explained that the graduate students participating in the program are being held responsible for all material that is being presented to them by this method.

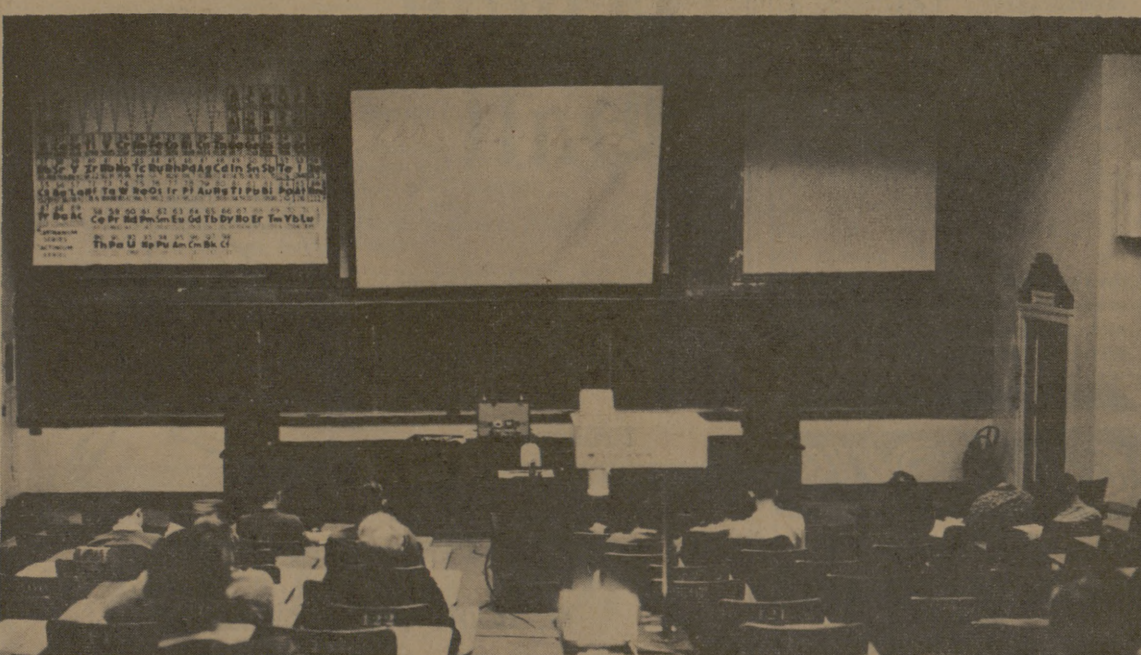
Indicative of the potential of such a system, Meyers also said that at least four industrial firms located at Corpus Christi, some 250 miles from College Station, have expressed interest in having the university present special lecture courses to professional chemists by means of the system.

"We feel that the system offers excellent possibilities," Meyers said.

He indicated that the experimental program will continue, and shortly a test will be made in transmitting information over a greater distance by use of the system.



ELECTROWRITER
... device will allow professors to lecture classes in distant cities.



OVERHEAD SCREEN
... students may communicate with professor by telephone link.

Fish Capture Top Awards At Drill Meet

The Fish Drill Team continued its winning ways Saturday by taking top honors at the first annual Texas A&M Invitational Drill Meet. Marines judged the Aggie freshmen the best of eight teams from Texas colleges and universities.

The Lowman Rifles of Sam Houston State Teachers College placed second in total points with Texas A&I's Kings Rifles ranked third. The Marines judged the approximately 200 cadets in three phases: inspection and basic and fancy drills. Carrying the greatest value pointwise was fancy drill.

The Fish Team a week earlier won top honors in regional competition at Baton Rouge. That was the Southern Invitational Drill Meet with 12 colleges and universities in five states represented.

A&M President Earl Rudder with Marine Maj. W. W. Barton and university sweetheart Johanna Leister of Orange standing beside him, presented the master trophy. Accepting it was team commander Donald M. Savage, an aerospace engineering student from Fort Worth.

Competing here Saturday were drill teams from Arlington State College, Hardin-Simmons University, Sam Houston State, Texas A&I, Texas A&M, University of Houston, University of Texas and West Texas State University. Maj. Barton served as chief judge, assisted by Capt. J. H. Gary and Gunnery Sgts. J. L. Lastovica and N. N. Picou. All are from the recruiting office in Houston.

For the inspection phase the judges placed Sam Houston first, Arlington State second and Texas A&I third.

Arlington State led in basic drill competition with A&M second and Sam Houston State third.

The Fish Drill Team swept the fancy or precision drill competition with 470 of a possible 500 points. The Kings Rifles of A&I placed second and Sam Houston State's Lowman Rifles ranked third in this phase.

The Association of Former Fish Drill Team Members of A&M sponsored the meet with the Schools of Military Science and Aerospace Studies as co-sponsors.

Rites Conducted For Mrs. Gallo

Mrs. Katherine McKinney Gallo, 29, a graduate student majoring in biology at A&M, died early Sunday following several months illness.

Mass was held Monday in the Nacogdoches Catholic Church. Burial was in the Nacogdoches Cemetery.

Mrs. Gallo came to the campus last summer as a Biology research assistant and to do work on her master's degree.

She is survived by three children. "Mrs. Gallo was a very sincere and capable person," Dr. Sidney Brown, head of Radiation Biology Laboratory, said.

A fund has been established to purchase books in Mrs. Gallo's name for the library.

Tyree Announces Chairmen, Staff For Great Issues

Thomas N. Tyree of Odessa recently named chairman of the Great Issues Committee, for 1965-66 has named his staff for next year.

The Great Issues Committee directs three major programs each year—the World Around Us Series, featuring speakers and films of the United States and foreign countries; the speaker series, headlining outstanding speakers concerning subjects of major student interest; and the Space Fiesta, in which noted speakers and exhibits of the space age are spotlighted.

Vice-chairmen include Jerry Don Stevens of Happy, "The World Around Us"; Ted F. Schiweitz of Houston, speaker series; and Paul Studley of San Antonio, Space Fiesta.

Other officials of the committee include James W. Howard of Al-leyton, coordinator for the 11th Student Conference on National Affairs; William S. Gross of Dallas, secretary; and Andrews S. Kovich of Dallas, treasurer.

Sub-committee chairmen include Richard J. Adams of Houston, programs; Jay S. Wellman of Bryan, publicity; and Oscar E. Pena of Brownsville, selections.

Eddie Bullock of Houston and Tony Hart of San Francisco, Calif., will serve as student advisors.

Faculty advisors will be J. Wayne Stark, director of the MSC; Dr. James Storey, associate professor of soil and crop sciences; William E. Eckles, associate professor of business administration; and Dr. H. M. Barnard, associate professor of electrical engineering.

Aggie Tells Of Montgomery Rights March

By RICHARD ALVAREZ
Special To The Battalion
Editor's Note: Richard Alvarez, an A&M freshman from San Antonio, participated in the march on Montgomery, Ala., last week. Here is his story.

We arrived in Montgomery at about 10:30 a.m. Thursday. The events that followed were truly amazing.

There were thousands of people there, including many college students. People came from all over the United States and even from Canada. They came from as far away as California and Boston and Ohio.

The march started at about 10:30 and I entered it at about its beginning. We first passed through the Negro section of town. I have never seen anything like what I saw there.

You don't have to go to Alabama to see poverty, but you

cannot begin to understand the utter agony of the Negro unless you see the conditions that exist in the deep South.

I saw old people on the sidewalk who couldn't make the march crying because they were finally getting their freedom.

We passed little children grouped together yelling, "FREEDOM! FREEDOM!" I heard the comment made — "They didn't teach us that when we were little."

We passed next into the white section of town. There peoples were considerably much better off. Most of the whites looked on, unable to believe that the Negro was being allowed to make such a protest. But it wasn't until the truth reached downtown that the true white feeling in Montgomery was displayed. I have never seen such deep, ugly hatred in my life.

It was truly horrible to see white boys yelling filthy obscen-

ities at the marchers, waving the confederate flag and threatening to beat us up.

From town we marched to the

Mixed Marriages Final Forum Topic

Dr. John P. Davidson will discuss "Marrying Outside Your Faith" at the last presentation of the Marriage Forum at 7:30 p.m. Tuesday in the YMCA.

Davidson will discuss the effects of interfaith or interdominational marriage, wholesome religious and marital stability, the prevalence of mixed marriages and solutions to problems arising from them.

The Professor of Religion at Baylor University received his Ph.D. from the University of Texas in 1955. Before joining the Baylor faculty in 1957 he served as pastor of several leading Texas churches.

capitol which is laid out in three white, colonial-type buildings.

Before the official program started, the marchers were led in songs like "We Shall Overcome" and "Freedom" by Peter, Paul and Mary, Frank Belafonte and Joan Baez.

The speakers present were both local and national leaders. The main one, of course, was Dr. Martin Luther King.

Before the speeches, the marchers sang "The Star-Spangled Banner" amid a sea of American flags. This was both a tremendous and tragic spectacle.

It was tremendous in that it was an impressively patriotic and colorful sight.

It was tragic in that the whole march, including this scene, would not have been possible had it not been for armed national guardsmen. In this respect Montgomery seemed like something you'd expect to find behind

the Iron Curtain. It is hard to imagine steel helmeted guardsmen with rifles, pistols, gas masks and bayonets lining American streets, protecting Americans from Americans.

Overhead flew helicopters, spotter planes and even jets. Just by looking in the sky, you would have thought there was a battle going on in Montgomery.

When we left the capitol and went back through town, the whites standing around began to threaten us again — yelling at us that they hoped the Klan "got" us on our way back.

Well, they didn't get the group that I was with but someone did "get" Mrs. Viola Gregg Liuzzo.

I would like to think that Mrs. Liuzzo's death, and the many other civil rights workers that have been killed in the Negroes' fight for freedom, was not in vain.