

Students Come When They're Hungry

I Ed Offers Labs 'Cafeteria Style'

Lab in two industrial education courses is performed cafeteria style. "Students come in when they're hungry," explained Dr. James L. Boone.

Through the Industrial Education Department's electronics learning stations, lab instruction and problems are presented by tape recorders and places the responsibility for learning where it belongs, with the student, Boone believes.

The industrial educator professor notes that the junior and senior courses utilizing the lab are concerned with learning facts. Students in the applied industrial electricity and electricity-electronics courses learn how to use a voltmeter, vacuum tube voltmeter, oscilloscope and electronic theory behind construction and operation of electronic devices.

Industrial distribution and industrial technology majors of whom the courses are required usually go into industrial sales or industrial production supervision.

EACH STATION in the lab contains a tape recorder, headphones, a voltmeter, vacuum tube voltmeter, oscilloscope, audio and radio frequency generators, low and high voltage power supplies and a signal tracer.

Station consoles were human engineered to put instruments within ideal arm reach and meter reading distance. Graduate assistants under Boone's direction built the cabinets.

He personally gives lectures at specified times in the two courses, but from there the student has opportunity to learn on his own. Two-hour labs are scheduled to fit the individual's schedule and may be at any time during the week when one of the 10 stations are open an hour.

In a 40-hour week, the professor says 200 students—100 per course—can satisfy lab requirements. Night labs would increase capacity.

WHEN A STUDENT comes in for his lab session, he checks out a pair of earphones, plugs in, turns on station power, cues the tape to the week's assignment and flips the play-back switch.

A knee control enables the individual to rewind and play back a sentence or concept he might not have grasped the first time. He can rerun the section as many times as necessary.

"We find some students spend less time here than in a controlled lab, but still get the material," Boone remarked. "The student paces himself."

The audio tutorial system has other advantages, both for the student and professor. By a circuit common to all 10 booths, Boone can record a series of lab sessions at one time, requiring only one master tape.

Several sets of lab instructions

stay on the station tapes a number of weeks, so the student can refer back to previous sessions if necessary.

ONLY 10 SETS of equipment are available, but each student has his turn. Under controlled lab situations, they would have to be paired on a set. One might tend to take over, denying the other student opportunity to learn equipment usage, Boone noted.


"When the student dons headphones and starts the tape recorder, he becomes secluded in a world all his own," the professor went on. "The phones cut out extraneous sound and makes it possible for better concentration."

IT ENCOURAGES individual work, cuts down on student questions though the professor or a graduate assistant are present at all times and enables the student to learn more on his own.


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Bonnie Jane Hejl is the daughter of Mr. and Mrs. Bennie N. Hejl of Rt. 2, Caldwell, Texas. After graduation from High School, she registered for the Accounting Course at McKinzie-Baldwin Business College and received a diploma for successfully completing this course. She is now employed in the Circulation Dept. of the Bryan Daily Eagle.



Judy Skubal, Rt. 1, Wheelock, Texas, is the daughter of Mr. and Mrs. Willie Skubal. She enrolled at the McKinzie-Baldwin College for the Secretarial and IBM Key Punch Courses after graduation from Stephen F. Austin High School. She received a diploma and Certificate on completion of these two courses and is now working as Secretary for the Hon. W. S. Barron, Attorney.




SAVE MY CHILD  
A Vietnamese woman runs toward the officer in charge of advancing South Vietnamese troops, crying that her child was left in her home occupied by North Vietnamese forces. Troops later found the child in the ruins of the home in the outskirts of Bien Hoa, after air strikes by U. S. helicopters supporting the Vietnamese Rangers. The child's condition was not available. (AP Wirephoto)

Graduate College Schedules Physics, Entomology Talks

Two physics colloquiums and an entomology graduate lecture are scheduled next week announced Graduate Dean George W. Kunze.

All three presentations will be conducted in Room 146 of the Physics Building.

Dr. Hans A. Schuessler, physics professor at the University of Washington, Seattle, will be the speaker for the first colloquium at 4 p.m. Monday. His lecture is entitled "Radio Frequency Spectroscopy of Stored Ions."

"Solar Wind and the Interplanetary Magnetic Field" is the subject of the 4 p.m. Wednesday colloquium presented by Dr. Alexander J. Dessler, head of Rice University's Department of Space Science.

THE GRADUATE lecture at 3 p.m. Friday will be conducted by Dr. Gottfried S. Fraenkel, National Institute of Health distinguished career professor of entomology at the University of Illinois. His topic is "Hormonal Control of Development During the Life History of Flies."

Dr. Fraenkel joined the University of Illinois in 1948 after serving 22 years in staff positions with research and higher educational institutions in Italy, Israel, Germany and England. He received his Ph.D. in 1925 at the University of Munich.

The internationally recognized entomologist is credited with several major discoveries in his field. His scope of interest is generally considered to cover a broader area than any other contemporary insect physiologist.

DR. SCHUESSLER came to the United States in 1966 from Germany, where he taught at the University of Heidelberg and the Technological University in Berlin. He earned his Ph.D. in 1964 at the University of Heidelberg. He joined the University of Washington faculty three years ago as a research assistant professor.

Dr. Dessler, who joined the Rice faculty as department head in

1963, received his Ph.D. from Duke University in 1956. He held various scientific positions with Lockheed Missiles and Space Co. from 1956 to 1962, when he accepted a position as professor at the Southwest Center for Advanced Studies in Dallas.

BLACK AFFAIRS

(Continued From Page 1)


Society in that it is a communication link between the black student body and the administration, while the Afro-American Society "is the organization for the black student body."

He added that he thinks the Afro-American Society should be allowed on campus because it is the voice of the Negro students and serves as the representation of the black student, "like organizations that represent the white student."

The Afro-American Society was denied campus representation last fall because the administration felt that it was a politically-doctrined organization. A&M has a ruling against political organizations and candidates being allowed to function on campus.

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