

Library Seams Bulge As Space Dwindles

Space presents a problem, not only to scientists but also to the Tech Library officials.

At the present rate of growth, 50,000 items will be added to the Library during the next two years. This would require 2,000 shelves or 6,000 linear feet of shelf space for storage of the new additions, James E. Platz, associate librarian, reports. At present, there are only 180 shelves available.

SHOULD THE new Library building be completed within the contracted time of 15 months, only 3,210 ft. of additional shelf space would be needed but Platz, expects to be in the old building for another 24 months.

To meet the space problem, radical changes are now being made. Little used items are being packed in uniform size cartons and stacked in the basement hall of the Library building.

"We hope that by storing these seldom-called-for items, we can exist until the new building is completed," Platz said.

OBSELETE TEXT books which have been superseded by new editions are being discarded on the advice and recommendation of the faculty concerned as another means of acquiring room for the new volumes, Platz reports.

Since its establishment in 1938, the Library has accumulated a considerable array of books, documents and records. A comparison of the 1958 and 1960 records indi-

cate ever increasing growth of the Library inventory.

Books numbered 170,915 and were valued at \$726,263 in June, 1958. At the same date in 1960, a \$904,483 value was placed on the 205,460 books in stock.

In addition to books, the Library housed 139,035 documents, 45,685 bound volumes of periodicals, and 4,970 reels of microfilm in 1958.

RECORDS, two years later, in June, 1960 show a total of 151,015

documents, 55,817 bound volumes of periodicals, priced at \$550,037, and 5,968 reels of microfilm valued at \$38,009.

"Should the Library continue to grow at its present rate, the new building is estimated to provide sufficient space for only 10 years," Platz said.

"But, the new building is well planned and additions may be made when needed," he continued.

If the past may be used as a guide, more space will be needed.

Radioactive Grain Tells Growth Rates

Grain sorghum producers may soon know the "why's" of superior growing hybrid varieties as a result of research by Texas Tech agronomists.

Working in cooperation with the Lubbock Experiment Station here, Tech agronomists are using radioactive phosphorus to determine the rate and extent of root growth of grain sorghums.

"This is part of a continuing study of sorghums begun last summer," said Dr. A. W. Young, agronomy department head. "Similar work has been done with cotton and other crops, but this is the first time Phosphorus 32 has been used with grain sorghums — as

far as we know."

On a two-acre plot located northwest of the campus, numerous test holes have been punched to varying depths in the sandy loam. Then using a special syringe and plastic tubing, carefully measured amounts of P-32 are placed at pre-determined depths below the plantings and at various distances from each side.

"This year we're comparing a standard variety grain sorghum with hybrids to determine if the hybrid has a more rapid root development and a more extensive root development than the standard variety," Young said. "Our purpose is to eventually learn why the hybrids do better than other varieties."

When the roots of each plant reach the P-32 in the soil, it is only a matter of a few hours that the top of the plant will be radioactive, he added. Then the plants are measured with a Geiger counter to determine the intensity.

Readings will be taken each

See Agronomists, p. 4



RADIOACTIVE HYPO
Jerry McClure and Dr. Clark Harvey inject soil with radioactive phosphorus

Band Holds Concert On Ad. Bldg. Green

A march composed especially for Tech's Summer Band School will be premiered when the school's annual concert is held at 7:30 p.m. Friday on the Administration building green.

The special piece, "Band Campers' March," is by Everett Maxwell, who this past year has di-

rected bands at Lubbock Christian College and Ralls High School.

Maxwell, who next year will teach at Abernathy, has many compositions to his credit.

Miss Connie Anderson of Arlington will present a special twirling routine as the march is premiered.

A total of 332 high-school musicians are scheduled to perform in three bands during the concert.

Beryl Harris of Littlefield will conduct the Intermediate Band, which will play "Consolation Choral," "Indian Princess," "At Sight March," excerpts from Tchaikowsky's "Romeo and Juliet," and "Somewhere Over the Rainbow."

The Concert Band will present "Yankee Clipper March," "Sarabande and Gavotte," "Battle Hymn of the Republic," "El Toro — Paso Doble," and highlights from "South Pacific." Fred Smith of Brownfield will conduct.

Tech Band Director Dean Kilion will direct the Symphonic Band in presentations of "March Carillon," "Chorale Prelude," "Finale to Symphony in B Flat," "Band Campers' March," "Slavonic Dances," "French National Defile," and "Vincent Youmann's Fantasy."

The concert is free to the public. In the event of bad weather, the performance will be moved to Smylie Wilson Junior High auditorium.

Meeting Draws H. E. Profs.

Nine staff members from Tech's School of Home Economics will attend the 51st annual meeting of the American Home Economics Assn.

New explorations in various phases of home economics is the theme of two general subject matter sessions scheduled for the Denver meeting June 28-July 1.

Dr. Willa Vaughn Tinsley, dean of Tech's School of Home Economics, will serve as a member of the nominating committee.

Others attending will be Mrs. Vivian Adams, Miss Billie Williamson, Dr. Mina W. Lamb, Mrs. Clara McPherson, Miss Opal Wood, Dr. Gene Sheldon, Mrs. Lila Kinchen and Miss Mary Gerlach.

Following the meeting in Denver, Dean Tinsley will teach graduate courses in home economics for six weeks at the State University of New York Teacher's College at Plattsburgh.

Tech Adds Two More Buildings

Contract to erect two special buildings for Texas Tech's agronomy and horticulture departments has been awarded to Plains Steel Buildings Co. of Lubbock on a bid of \$24,509, Tech Vice-President M. L. Pennington announced.

The structures will be erected on the Tech Farms near Fourth and Indiana.

The new agronomy building will house new grain and seed drying equipment plus other equipment and storage for agronomy teaching and research.

The horticulture building will include vegetable processing equipment as well as storage for that department's teaching and research.

The two new buildings are part of the relocation and expansion of Agriculture facilities farther from the main academic section of the campus.

Bid on the new structures was awarded by the Board of Directors building committee as authorized by the Board.

Patton Edits Sports For 1960-61 Toreador

Billy Patton, senior journalism major from Clyde, has been named sports editor for the 1960-61 Toreador, Ralph W. Carpenter, Toreador editor, announced.

"We are glad to have Billy on the staff for next fall. He has had the experience necessary to handle this important Toreador position," Carpenter said.

Patton will replace John Petty, previously named sports editor, who will not be in school this fall.

The 21-year-old journalist worked during his junior year as night news editor for the West Texas Television Network with headquarters at KDTB-TV in Lubbock. He is presently employed as assistant to Bill Holmes in the Tech Sports News department.

He served as summer managing editor of the Toreador for one session last summer.

WHILE IN high school, Patton worked part-time as sports writer for the Clyde Enterprise, his home-town newspaper.

In his sports background, Patton counts four years as an all-

around high school athlete, including being named to four all-Abilene area teams, and one honorable mention to the all-state basketball team in Class B.

When he assumes his duties next fall, he will join staff members, Carpenter; Preston Maynard, managing editor; Carolyn Jenkins, news editor; Lynn Buckingham, society editor; and Travis Harrell, head photographer.

Language Prof. Studies Poet

"Gongora's Polifemo and Soledades in Relation to Baroque Art" is the title of a recently published article by Mrs. W. B. Gates, professor of foreign languages at Texas Tech.

Gongora, Spanish poet of the 17th century, is a major figure in Spanish literature. He has had many imitators among writers of his native country. His elaborate, ornamental writing makes interpretation difficult and presents a problem in studying his style.

Mrs. Gate's article compares the poetic style of two of his long poems, Polifemo and Soledades, to general characteristics of baroque art found in painting and sculpture. It has been published in the Spring 1960 edition of the University of Texas Studies in Literature and Language.

She wrote her doctoral dissertation on the poet's works at the University of Pennsylvania. Since that time she has had several articles published on various aspects of Gongora's poetry in leading literary publications.

ASCE Wins National Honor

Tech's chapter of the American Society of Civil Engineers has received a certificate of commendation from the Society's Board of Directors for excellence in conduct of its affairs.

"The ability and professional diligence of your chapter officers, members and faculty advisor, responsible for your success, has been commended by the Society's Committee on Student Chapters . . ." reads the certificate.

Counseling Institute Fills National Need

School counseling institutes such as the one at Tech are only priming the pump for bringing out the talents of American youngsters, Psychologist A. Ralph Carli declares.

There's no end in sight to the nation's need for counseling its students to help them develop their talents to the fullest extent, he said.

EXTENDING COLLEGE training in counseling is the only adequate way to meet this need, he added.

The summer institutes in counseling, financed through the National Defense Education Act, are part of a crash program to help the U. S. speed its efforts to find and aid outstanding students.

Last summer 2,210 carefully selected high school counselors participated in 50 institutes held at Tech and other colleges and universities.

This summer 2,835 counselors are participating in 83 such institutes. A few similar institutes are arranged as classes during regular academic semesters.

"THESE SHORT courses have two purposes—to give some of our more promising counselors an insight into what they can accomplish with more training and to discover how they can best be taught," stated Carli.

To do this, the National Defense Education Act is providing

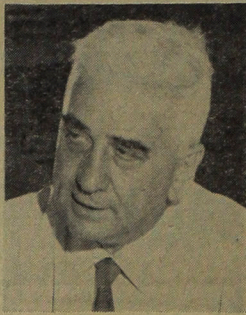
funds to bring in some of the nation's outstanding authorities on counseling to confer with high school counselors—something no single institution has been able to afford.

The high school people benefit from the experts and get new ideas on how counseling may be better taught.

"THERE'S NO doubt in my mind about the enthusiasm the program is stirring," Dr. Carli said. "This year we had an average of 10 school counselors applying for every institute opening."

"A follow-up study of one of last summer's institutes shows half the participants are either taking more graduate study in counseling or are planning to do so."

If the institutes succeed, there will be a great upsurge in college training of counselors and a corresponding increase of more effective counseling in schools throughout the land.



DR. CARLI

Tech Gains Two Profs.

An authority on psychological aspects of marriage and family life and a sociologist who has had extensive teaching and research experience in Latin America will join the Texas Tech faculty this fall.

Dr. William Robert Reeve, who will become an associate professor of psychology, has been a visiting professor on marriage and family life at the University of Arkansas.

A native of Czechoslovakia, he holds a bachelor's degree from Stanford University and a doctorate from Pennsylvania State University.

He also has directed graduate study in psychology at DePaul University, Sacramento State College, and the Richmond Professional Institute of William and Mary College.

A new associate professor of sociology is Dr. Sam Schulman, who has taught at Mexico City College, Instituto Chileno N'o de Cultura in Chile, and at Florida, Miami and Oklahoma State Universities.

Dr. Schulman also has been a Doherty Fellow in Chile and Mexico.

His Latin American research has resulted in publications on land tenure among the aborigines, and on Latin American tenure classes.

Dr. Schulman also has special background in medical sociology. He holds bachelor's and master's degrees from New Mexico University and a doctorate from the University of Florida.

AT THE UNION

Thursday — Square dance in the Union Ballroom, 7-8:30 p.m. Instruction offered.

Friday — Bermuda Bounce dance in the Union Ballroom with Sam Baker, 8-11 p.m.

Tuesday — Movie, "On the Waterfront," starring Marlon Brando, 7:30 p.m.

AT TECH

Where Money Goes

(EDITOR'S NOTE: This is the second in a series of three articles designed to show students how and where the money is spent in running Texas Tech.)

by H. T. BARNES

In a special report prepared for James L. Lindsey, member of the Tech Board of Directors, by the office of M. L. Pennington, vice president and comptroller, it was noted that last year, the five residence hall systems had a combined total income of \$2,266,316.43. Of this total, \$2,189,741.98 was derived from room and board charges.

The remaining \$76,574.45 came from charges for guests, extra meals, catering and other miscellaneous services.

Expenditures in the residence halls saw \$229,366.09 going for general administration and general expense, \$1,080,920.20 for food service, \$320,377.77 for operation of the physical plant and \$110,735.62 for plant extensions.

In the residence halls, a total of \$732,647.95 was spent in purchasing food alone.

Close to a million pounds of meat was used. This is equivalent to a herd of 2,000 steers, each weighing 1,000 pounds. Some 7 and one-half million pounds was the total amount of food purchased. It would take a 150 freight cars to haul it.

Milk cost \$91,000 last year. This much milk would require a herd of 250 cows for nine months. And finally, an estimated 3 million meals were served last year.

In a form letter to residence hall boarders, Pennington's office explained the following points in regard to residence halls.

A new rate scale will be initiated in the residence halls next year.

Students living in Bledsoe, Doak, Drane, Gordon, Horn, Knapp, Sneed or West Halls will be charged \$135.25 for the months of September and October. The charge for each remaining month will be \$65. Students in Men's 5, 6, 7, 8, and Weeks Halls will pay \$144.65 for the month of September and October and \$73 for the remaining months.

Students entering school the second semester will pay \$100 for the first month for the first group of halls and \$108.80 for those living in the second group.

Also the room reservation fee will be increased from \$20 to \$40 next year. This will be done to encourage students to fulfill their contract of residing in the halls and also reduce the number of students failing to come to college after making room reservations.

A slightly brighter note, next year the electrical charges previously paid by students will no longer be necessary.



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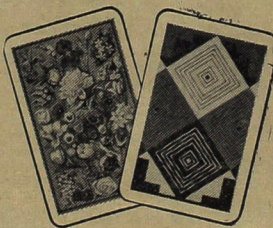


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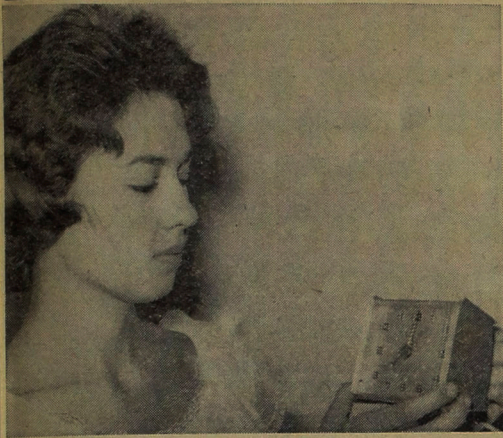
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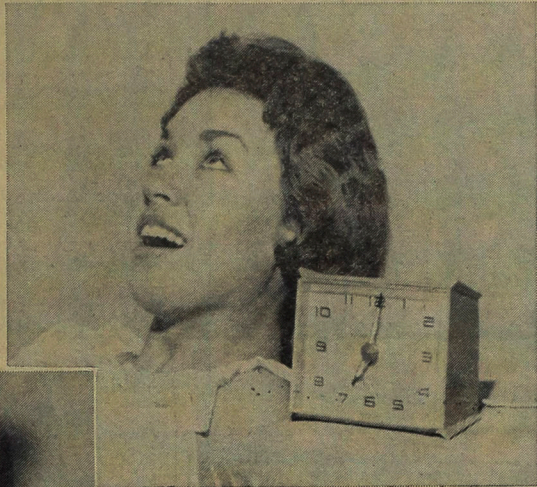
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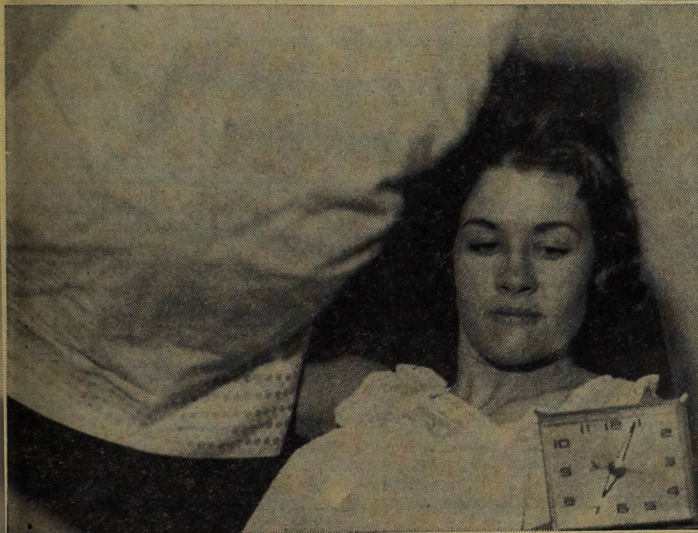
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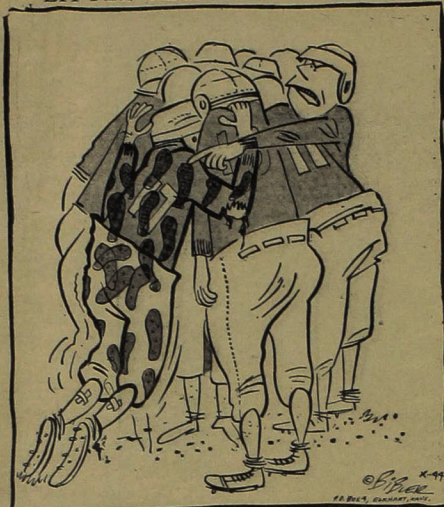
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With Speech Problem

Clinic Aids Adults

Learning to communicate is a new and exciting experience for adults who have had difficulty in understanding others or in expressing themselves.

Aiding adults with speech and hearing impediments is a significant function of Tech's Speech and Hearing Clinic.

"WITH ADULTS there is a problem of self-consciousness as a result of speech difficulties. They

have an emotional and psychological involvement with their deficiency. With children, our work is more on the preventive level.

We help them to develop a confident personality before they become too disturbed about their problem," Miss Helen Lindell, acting clinic director, says.

At present four adults are receiving aid for stuttering, inadequate articulation, and hearing difficulties.

"ON THE whole, we probably help adults more with stuttering and articulation problems than any others," she says.

However, one of the cases we're working with this summer is a young man who has not been able to hear well enough to learn to speak. With the use of a hearing aid, he is able to distinguish sounds now.

"We're giving him training in a combination of lip reading and language training as well as auditory training so that what he hears will have meaning.

"HE COMES in every day for 30 minutes. If he is able to learn

to speak, the Vocational Rehabilitation Center will train him for some job," Miss Lindell said.

Most of the clinic's work is done with children. This summer approximately 75 persons are receiving aid from the clinic's eight therapists. Some are scheduled for daily conferences; others come from one to three times weekly, depending on their needs. Each conference lasts 30 minutes.

THE CLINIC closes in July and will reopen next fall.

"Anyone who would like assistance with a speech or hearing difficulty is welcome to make an appointment to discuss his problem," the clinic director states.

Agronomists Make Radioactive Tests

(Continued from p. 1) day throughout the field. When various sorghum plant roots reach different depths and extend to various lateral areas, the Geiger counter will signal their development. The P-32 has been placed at various depths, ranging from six inches to 60-inches to determine how deep the roots penetrate. Lateral measurements will vary from six to 10-inches, Young said.

There will be two hybrids — one an earlier maturing variety — and one standard variety used in this year's test, the Tech agronomist said. Last year, Texas 620 and Kafir 60 were compared in the first P-32 tests.

Assisting Young in the field work are Dr. Clark Harvey, associate professor of agronomy, and Jerry McClure, agronomy graduate student from Lubbock.

Experiment station personnel working on the project are Dr. N. W. Kramer and Jack King.

Dr. Henry C. Thomas, Tech physics department head, is licensed by the Atomic Energy Commission to supervise handling of radioactive materials at Tech and is directing that portion of the experiment.

Union Shows Art

Art work by Mrs. T. O. Lawrence, well known Lubbock artist and teacher, will be displayed in the Aniv. room of the Tech Union during the month of July.

A public reception in the Aniv. Room will honor Mrs. Lawrence Thursday at 7 p.m. Works by Mrs. Lawrence include canvasses, sculpture and woodcraft.

Exam Schedule

FIRST SUMMER TERM, 1960		Examination time
Class meeting time		
MONDAY, July 11.		
7:20-8:50 a.m.		7:30-10 a.m.
3-4:30 p.m.		10:30-1 p.m.
10:40-12:10 p.m.		1:30-4 p.m.
TUESDAY, July 12.		
9-10:30 a.m.		7:30-10 a.m.
1:20-2:50 p.m.		10:30-1 p.m.
Requested changes in the schedule of individuals will be considered by the dean of the schools in which the student is registered.		

TOREADOR

THE TEXAS TECHNOLOGICAL COLLEGE

EDITOR Travis Harrell
 MANAGING EDITOR Marijayne Dykes
 ADVERTISING MANAGER Larry Bridges

The Toreador, official student newspaper of Texas Technological College, Lubbock, Texas, is regularly published each Thursday during the summer semesters, excepting holidays, by students of the College as an expression of campus news and student opinion only.

The Toreador is financed by a student services fee, advertising and subscriptions. Letters to the editor and columns represent the views of their writers and not necessarily those of the Toreador. Letters must be signed, but may be published with initials in justifiable instances. The views of the Toreador are in no way to be construed as necessarily those of the administration.

Entered as second class matter at the Post Office in Lubbock, Texas, under the act of March 3, 1959.

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