

the Toreador

Vol. XXXI Texas Technological College, Lubbock, Thursday, January 6, 1955 No. 1

Union Operation Shows Net Profit And Steady Use

The Student Union Board report shows that by Dec. 1 student usage of Tech's Union facilities for 1954 numbered 48,026, net profit totaled \$9,168.52.

This usage number is an accumulative count of all times students used Union services. The report showed that the snack bar was the largest contributor with a customer count of 24,294. The newsstand was a close second with 11,425 customers while the recreational equipment was used by 7,339.

The record also indicated that 4,488 students used Union facilities for meetings and programs while the number was 480 for programs in Rec Hall.

In a financial report prepared for the Union Board, it was announced that the Union has shown an income, over expenses, of \$9,168.52. The snack bar was the largest revenue producer with \$28,511.88. The newsstand and games incomes also made up a large part of the total income from all union facilities of \$39,489.91. This amount was offset by a total cumulative expense for the year of \$30,321.39.

Holcomb Named TWC President

Dr. Dysart E. Holcomb, for the past four years dean of engineering at Tech, will become president of Texas Western College at El Paso June 15.

He will succeed Dr. Wilson H. Elkins, who resigned to become president of the University of Maryland.

Announcement of Dr. Holcomb's acceptance came Tuesday from Dr. Logan Wilson, president of the University of Texas, after approval by the combined board of regents of the University and Texas Western.

Dr. Holcomb, a native of Wellington, was the first alumnus to become a dean at Tech. He graduated in 1937 with a bachelor of science degree in chemical engineering and did his post-graduate work at the University of Michigan.

Dean Holcomb will continue his present position during the spring semester.

WALLS RISE UP

The bright orange of structural steel marked the skyline of the northwest section on the campus on students' return from the holidays. It was the first work above principal auditorium, which will be foundation level of the new museum jointly by city and college.

Tech, Trinity Plan Five-Year Co-Op BS in Engineering

Texas and Trinity University have completed arrangements to offer a cooperative five-year program in engineering. Trinity is the fourth school with which Tech has made such a plan.

The announcement was made Tuesday by the presidents of the two institutions, Dr. E. N. Jones and Dr. James Woodin Laurie of Trinity.

A student may study three years at Trinity and then enter Tech for two years and a summer session, majoring in some branch of engineering, to receive a bachelor of arts degree from Trinity and a bachelor of science degree in the appropriate branch of engineering from Tech.

"This program will afford a broader opportunity for a more general education than is offered in the regular four-year curriculum in engineering," the two presidents said in a joint statement.

A similar program has been in effect with Baylor University, Hardin-Simmons University and Abilene Christian College for nearly two years.



AND SEASONS'S GREETINGS TO YOU, Jane Cooper. The Thalia freshman at Drane Hall, with her roommate, Freshman George Ann Davis of Crowell, had one of the most attractive room decorations for the holidays. Here she peers around the corner to discover what's ahead in the new year. What do you see, Jane? (Photo by H. A. Tuck)

Toreador Expansion Program Designed; Editorships, Staff Positions To Be Filled

The Toreador today prepared to move into the second phase of a major expansion plan, with announcement that four editorships and at least a score of other staff positions will be open the second semester to applicants from all divisions of the college.

"Tech's student newspaper is taking its rightful place among other major universities and colleges which place student journalism among the top extracurricular activities," Editor David Clark said this morning. Plans are being worked out, he indicated, to extend specific recognition to staff members with a specified minimum journalistic output.

Posts Open

Past practice has resulted in The Toreador's being staffed almost entirely by journalism students. This was felt to be non-representative of all interests on the campus, and the effect was to deprive many students of the honor and experience which in major universities is distributed a-

mong all areas of the campus, Clark said.

Applications will be received between now and Feb. 1 for news editor, assignment editor, Sports editor, and society editor, as well as staff writers from all divisions and departments, and several rewrite men and copyreaders. Both journalism and non-journalism students will be welcomed.

"We have made a start toward wider distribution of staff positions during the first semester," the editor noted. Several departments have student reporters covering activities of those departments and the related student organizations.

Departments Slighted

"It has been a big boost to publicity for student activities in those departments: With a limited number of general assignment reporters those departments with no volunteer staff reporters have been difficult to publicize. A good response to the second semester enlargement will solve the problem for those departments, however."

In addition to stressing opportunities for staff writers, Clark issued a reminder that reporters for clubs, societies and fraternities should be alert to provide full, detailed announcements and followup stories on their groups' activities.

Plans Being Made

At the same time that The Toreador is moving toward a broader organization, the department of journalism is completing plans to give advanced journalism students a greater part of their lab reporting through off-campus assignments.

"This move is in line with a current trend in journalism education to provide reporting experience in an environment as close as possible to that which the graduate will face as a professional reporter," said Dr. William E. Hall, head of the department.

South Plains Maid Back From Contest

Virginia Mitchell, Tech senior from Fort Worth, is back in class today after a four-day whirlwind of events at the national Maid of Cotton Contest in Memphis, Tennessee, Tuesday night.

Miss Mitchell, who left Sunday for Memphis, represented the South Plains area in the annual competition for the beauty award of the cotton industry. The contest was won by Miss DeLois Faulkner, a graduate of Oklahoma A&M.

Complimented on her diversified wardrobe, which was one of the gifts she received from the local contest, Miss Mitchell received gloves, a light gown, a make-up case, Mosell earrings, and a beach towel for her part in the Memphis contest.

Fraternity Pictures Ready at Koen's

Koen's Studio has announced that fraternity and sorority pictures for the 1955 La Ventana are ready to be picked up and taken to the La Ventana office in the Journalism Building.

Snapshots for the annual are also needed. Students who have clear snapshots of campus activities are urged to bring them to the La Ventana office as soon as possible.

Harold Creswell Elected President of Press Club

Harold Creswell, first-year journalism student from Lockport, Ill., was elected president of the Texas Tech Press Club Tuesday night for the second semester. He succeeds Claudia Martin, who has held the office for the past year.

The club also elected Dr. William E. Hall, head of the journalism department, as faculty sponsor. He succeeds Dodd Vernon, who resigned because of the press of other faculty duties.

Elections Scheduled Next Tuesday For Favorites; Mr. And Miss TT

Tuesday is the day to vote your class favorites and to make your selection for Mr. and Miss Texas Tech. Thirty-four candidates are in the races.

Betty McGehee, in charge of the all-school election, urges all students to vote from 8 a.m. to 5 p.m. Tuesday. Ballot boxes will be placed in the Administration, Home Economics, Aggie and West Engineering Buildings.

Four girls and three boys will vie for the Mr. and Miss Texas Tech honors. They are: Jane Hampton, Denton; Kay Lynn Watson, Lubbock; Gwen Williams, Lubbock; Doris Ellis, Sweetwater, for Miss Texas Tech; Jerry House, Lubbock; Carl Kennedy, Pampa; Joe Jack Reynolds, Slaton, for Mr. Texas Tech.

Each candidate for Mr. and Miss Texas Tech was required to secure a petition and have a minimum of 310 signatures to be eligible. Also, the Tech Supreme Court decided that those candidates must have a 1-point average as well as the class favorites since they are representatives of the college.

Class favorites were nominated in separate class meetings on Dec. 16. The candidates for freshmen girl favorite: Susie Allen, Fort Worth; Anisse Baynes, Houston;

Shirley Caldwell, Lubbock; Mary Jo Cappleman, LaMarque; Joilue Hale, Gayle Hunt, Revis Jordan and Nina Smith, all of Lubbock. Nominations for freshman boy favorite are: Wick Alexander, Amarillo; Douglas Hudson, Fort Worth; Walter Schuler, Lubbock.

Girls nominated for sophomore favorite are: Sandra Cooper, Snyder; Ruth Ann Cummings, Whitewright; Shirley DuPriest, Waco; Doris Wampler, Lubbock; Anne Witty, Hamilton. Nominations for sophomore boy favorite are: John Harrell, Carlsbad; Bob Williams, Fort Worth; Wallace Wilson, Lubbock.

Nominations for junior girl favorite include: Mary Alice Braselton, Plainsview; Virginia Cary, Lubbock; Virginia Mitchell, Fort Worth; Patti Price, Lubbock. Boys nominated for junior favorites are: Glen Cary, Brownfield; Gerald Clark, Corpus Christi; Alan Conley and Melvin Deardorff, both of Lubbock; Don Dilley, Borger.

Senior girl favorite nominations are: Joann Hampton, Crowley; Phyllis Martin, Lamesa; Suzanne Matteson, Dallas. Boys nominated for senior favorite are: Gayle Erickson, Midland; Joe Goodin, Claude; Jerry Johnson, Lubbock; Bobby Waddle, Cedar Hill.

Sigma Tau Delta Offers Prizes

Student Group Announces Contests For Top Stories, Essays and Poems

A creative writing contest open to all undergraduate resident students of the college was announced today by Sigma Tau Delta, honorary English fraternity.

Students may submit as many entries as they desire in each of three classifications—short story, poetry and essay. Maximum length for the short story is 4,500 words; essays are limited to 2,500 words and poetry may be of any length.

Entries must be original and unpublished, but work done for class is acceptable. Judging will be on interest, originality and skill in structure. Contestants may

write on any subject. First prize of \$5 will be presented the winner of each division. Deadline for entering the contest is Tuesday, March 1.

Entries must be typed double-space or regular typing paper. The author's name should appear with the title on a separate sheet, but should not be on the entry.

Entries should be submitted as soon as possible to The Toreador office, or to any one of the following: David Clark, Shirley Massey, Patsy Donn, or Pat Carter, according to David Rackley, president of Sigma Tau Delta.

Student Delegates To NY Seminar

A visit to the United Nations headquarters in New York and the nation's capitol is the destination of two Tech students.

Gwen Williams and Iris Brunson, Tech seniors from Lubbock, will attend the Christian Citizenship Seminar, sponsored by the Methodist Student Movement, Feb. 6-12. Purpose of the seminar is to promote Christian citizenship on the campus.

The students will view Congress in session and have special conference with their respective Congressmen.

From each college two delegates are chosen to comprise the seminar of 50 students who must be members of the Methodist Student Movement.

Budget Request Upped One-Third To Fit Formula

Texas Tech will increase its appropriations request by 33-1/3 percent, Dr. E. N. Jones told members of the Lubbock Rotary Club at a recent meeting in the Caprock Hotel. The request is in line with the formula recommended by the Texas Commission on Higher Education to improve standards in Texas institutions of higher learning.

Dr. Jones discussed a recent report to the governor by the Texas Commission on Higher Education, an organization of 31 college and university officials and lay and civic leaders from over the state. The commission's recommendations allow for actual needs and costs of the colleges according to subjects and number of students handled.

The Rotarians were informed that the next session of the Texas Legislature, in taking up the commission's recommendations, would be faced with a decision of placing the state's higher educational facilities on a level more nearly corresponding with that of other states or of continuing the present status.

In outlining the numerous plans for coordinating the needed facilities and eliminating duplication, Dr. Jones told Rotarians that Legislators will have a choice of attempting to improve the educational system at great expense or of allowing it to remain in the existing pattern.

Meeting of Future Teachers Is Postponed to Feb. 10

The Future Teachers of America will not meet tonight, according to President Ronnie Avery. The next meeting will be Thursday night, Feb. 10, in the workroom of the Student Union.

College Infirmary To Increase Staff

One new physician and one or more nurses will be added to the staff of the college infirmary when the increased facilities of the new hospital become available. The present staff of two doctors, seven nurses and a medical technician treat from 75 to 85 students for minor illnesses each day.

Dr. Embree R. Rose, Student Health Service director, says he usually has another 15 bed patients in the infirmary.

At present Tech's 6,257 students are being treated in three war-surplus barracks.

Five Scholarships To Be Included In Foreign Tours

A foreign summer study tour program, including from five to 12 fully-paid scholarships was announced today by Dwayne L. Oglesby, assistant professor in business law.

The trips, beginning in June and July, will include an around-the-world tour, and trips to Europe, Hawaii, and the Orient. College credit for study abroad may be earned.

In addition to the full scholarships, a larger number of grants of from \$100 to \$300 are available to assist students who are high in scholarship and leadership. Those unable to qualify for scholarships may participate on a tuition basis. The tours are sponsored by Students International Travel Association, in which 15 universities participate. Details of the program may be secured from Mr. Oglesby, Tech representative, at his office, Ad 406.

Writing Course For Aggies, H.E.'s Listed for Spring

What and how to write about agriculture and home economics will be taught in a cross-section journalism course next semester.

Journalism 3311 is designed to train future extension workers, vocational teachers and other workers in agriculture and home economics how to write news stories, features and magazine articles relating to their professional interests. It also includes a brief survey of the principles of copyreading, proofreading and makeup of bulletins and pamphlets as applied to these two fields. Use of photography, radio and television programs as further means of publicity for specialists will be discussed.

"The course will be helpful to professional home economists and agriculturists whether they actually write or not," says Dr. W. E. Hall, journalism department head. "They will learn what is newsworthy about their own jobs, what facts newspapers want and when. This will lead to more effective publicity for their work."

The demand for experienced writers in these two vocations far exceeds the present supply, he says. Public relations jobs with government agencies, farm and home industries and park and recreation boards are examples of such openings. Also staff jobs with newspapers and farm magazines are often available.

Originally offered as two separate courses, one for home economists and the other for agriculture students, the present course in ag-home ec journalism was combined several years ago at the suggestion of district extension agents stationed in Lubbock who felt that training in the two

fields was so similar as to make the combination desirable. It will be scheduled from 1 to 2:30 p.m. Tuesdays and Thursdays. Mrs.

Louise C. Allen will be the instructor. She has done extensive professional work as writer of articles for agricultural publications.

ACCOUNTING, Elementary	\$1.25	LITERATURE, Eng., Dictionary of	1.50
ACCOUNTING PROBLEMS	1.50	LITERATURE, Eng., History (I)	1.75
ALGEBRA, College	1.00	LITERATURE, Eng., History (II)	1.75
AMER. COL. & REVOL. HISTORY	1.25	LITERATURE, German	1.50
ANCIENT HISTORY	1.00	LITERATURE, World (Vol. I)	1.50
ANCIENT, MED., & MOD. History	1.25	LITERATURE, World (Vol. II)	1.50
ANTHROPOLOGY, General	1.50	LOGARITHMIC & Trig. Tables	.75
ATLAS OF HUMAN ANATOMY	2.00	MARKETING	1.50
BACTERIOLOGY, Principles of	1.85	MIDDLE AGES, History of	1.25
BIOLOGY, General	1.00	MONEY AND BANKING	1.25
BOTANY, General	1.00	MUSIC, History of	1.25
BUSINESS & GOVERNMENT	1.75	PHILOSOPHY, Handbook to Hist. of	1.50
BUSINESS LAW	1.50	PHILOSOPHY, An Introduction	1.50
BUSINESS MANAGEMENT	1.75	PHILOSOPHY, Readings in	1.50
CALCULUS, The	1.25	PHYSICS, First Year College	1.00
CHEMISTRY, First Year College	1.50	PHYSICS without Mathematics	1.25
CHEMISTRY, Organic	1.75	PLAY PRODUCTION	1.50
CHEMISTRY PROBLEMS	1.25	POLITICAL SCIENCE	1.00
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CORPORATION FINANCE	1.25	PRONUNCIATION, Manual of	1.75
DOCUMENTED PAPERS, Writing	1.00	PSYCHOLOGY, Child	1.50
ECONOMICS, Dictionary of	1.75	PSYCHOLOGY, Educational	1.00
ECONOMICS, Principles of	1.50	PSYCHOLOGY, General	1.25
ECONOMICS, Readings in	1.75	PSYCHOLOGY, Readings in	1.75
EDUCATION, History of	1.00	PUNCTUATION	.75
ENGINEERING DRAWING	2.00	RESEARCH & REPORT WRITING	1.50
ENGLAND, History of	1.25	RESEARCH, History of	1.25
EUROPE, 1500-1848, History of	1.00	SHAKESPEAREAN Names, Dict.	1.25
EUROPE, Since 1815, History of	1.25	SHAKESPEARE'S Plays (Outlines)	1.00
EXAMS, How to Write Better	.50	SLIDE RULE, Practical Use of	1.00
FRENCH GRAMMAR	1.25	SOCIOLOGY, Principles of	1.50
GERMAN GRAMMAR	1.25	SOCIOLOGY, Readings in	1.75
GEOMETRY, Analytic	1.25	SPANISH GRAMMAR	1.25
GEOMETRY, Plane, Problems in	1.25	SPEECH	1.50
GOVERNMENT, American	1.25	STATISTICAL METHODS	1.00
GRAMMAR, English, Principles of	1.25	STATISTICS, Tables for	1.00
INTERNATIONAL RELATIONS	1.50	STUDY, Best Methods of	1.00
JOURNALISM, Survey of	1.75	TIG, Plane & Spherical	1.25
LABOR PROBLEMS &		TUDOR & STUART Plays (Outlines)	1.85
TRADE UNIONISM	1.50	U. S., Economic Hist.	1.50
LATIN AMERICA, History of	1.85	U. S. to 1865, History of	1.00
LATIN AMERICA, in Maps	1.50	U. S. since 1865, History of	1.25
LITERATURE, American	1.50	WORLD since 1911, History of	1.75
		ZOOLOGY, General	1.25

Prices Subject to Change

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and she turns out to be a real doll...



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SAE Dance Tomorrow At Country

Highlighting the season for Sigma Alpha Eps their second annual white dinner dance at the Lubbock Country Club Esquires will play 11:30 pm.

Members and date: Andrew Sandy Cass, Baggett, Carolyn T. Barrett, Pat Johnson, Joan Roberts, Coe, Gayle Webb, Bill B. McNaughton, Gerald da Moss, Karl Do. Witte, Bill Eastland, Don Fritz, Marilyn S. Ferguson, Carole C. Giddens, Martha Sch. Harrell, Sandy Davis, Nancy McKis House, Gayle Hunt, ton, Judy N...

Gregory Keys, Dor. ents; Bill La Shier, berry; Gene Mays, Elm Max Merrell, Mary A. Miller, Patty Lyles, M. Harris, Don Pundt, Na. Virgil Shell, Mary K. Lyle Shelton, Janelle Sampson, Joann Ham. Messrs and Mesd Brooks Ken, Kummer. Cate, J. N. Marks, R. Bill Oden, and Fred.

Plades and dates a. Barron, Margaret Joh. Hendon, Anne Rath. Calhoun, Sammy Dum. Daniel, Rebecca Wil. Earl, Claire Holiday. Fox, Josie Byrd; Go. mon, Freddie Sarr. Hobbs, Anise Baynes; Cluer, Kay McDonald; Dorie Wampler; Rob. Mary Sue Miller; E. Sandra Hitch; Bob Wh. Cozby; Louis Guion. Reed; Bob King, Shirle. ton; Gene Reid, Pat. Monte Sheppard, Tot. land; Harry Wilson, J. inson.

Alpha Tau Omega elected president of Omega for the spring. Other officers are: mack, vice president, Jim Davis, secretary, Scott Hickman, treasurer, Joe Harris, keeper of Clovis, N.M.; Pete Eng. giant at arms, Midlan.

Tri Delt's Gifts to Children. Newly children in Lu. a merry Christmas as contributions made by chapter of Delta De. Toys, canned goods. foods were donated to. tion Army at the Tri D. mas party, held at. State Park barbecue pit. holidays. Alumnae and p. were guests.

Dilly Is Named Pr. Of Kappa Sigma Fr. Don Dilly, Berger ju. recently elected presi. pa Sigma, social frater. Other officers are: J. McCracken, master of Hereford; Jim Patters. tary, Wichita Falls; Cullough, assistant Hereford; Howard Par. surer, Eldorado; Clay C. assistant treasurer, For. James Burdette and Tin. guards, Anton and r. respectively.

SAE Dance Set Tomorrow Night At Country Club

Highlighting the social activities for Sigma Alpha Epsilon will be their second annual black and white dinner dance tomorrow night at the Lubbock Country Club. The Esquires will play from 7 to 11:30 p.m.

Members and dates are: Don Andress, Sandy Casstevens; Jack Badgett, Carolyn Taylor; Gene Barrett, Pat Johnson; Miles Black, Joan Roberts; Cooper Blount, Gayle Webb; Bill Bynum, Dana McNaughton; Gerald Clark, Glendia Moses; Karl Dockray, Ann Witty; Bill Eastland, Neita Woods; Don Fritz, Marilyn Sparks; Don Furgesson, Carole Crowder; Roy Giddens, Martha Schickram; John Harrell, Sandy Davis; Bob Hawkins, Nancy McKissack; Jerry House, Gayle Hunt; Donny Hutton, Judy Nance;

Gregory Keys, Dorothy Clements; Bill La Shier, Pat Stoeksberry; Joe McElhane, Gloria Porter; Gene Mays, Elna Dunagan; Max Merrell, Mary Almy; Ralph Miller, Patty Lynes; Mack Mohon, Shirley Smith; Bill Nielsen, Pat Byron; Jim Nuckles, Bobbie Scofield; Jerrol Peters, Bobbie Joe McShann; Wendell Phillips, Joan Chesher; Ed Phillips, Beth VanMaanen; Mack Price, Patsy Harris; Don Pundt, Nancy Nelson; Virgil Snell, Mary Kay Holmes; Lyle Shelton, Janelle Lewis; Ed Sampson, Joann Hampton;

Messrs. and Mesdames Dick Brooks, Ken Kummer, Jack McCabe, J. N. Marks, Ralph Shelton, Bill Odeh, and Fred Norwood.

Plagades and dates are: Charles Barron, Margaret Johnson; Dick Blendon, Anne Rathjen; Frank Calhoun, Sammy Dunn; Malcolm Daniel, Rebecca Wilson; Jackie Earl, Claire Holliday; Kenneth Fox, Josie Byrd; Gordon Harmon, Freddie Sandlin; Jerry Hobbs, Anisse Baynes; Jerry Moore, Kay McDonald; Dick Moore, Dorie Wampler; Robert Moore, Mary Sue Miller; Earl Pharis, Sandra Hitch; Bob Wham; Phyllis Cozy; Louis Guion, Annette Reed; Bob King, Shirley Herrington; Gene Reid, Pat Derrick; Monte Sheppard, Tommy Wieland; Harry Wilson, Jane Hutchinson.

Alpha Tau Omega Elects President

Bob Butler, Lubbock, has been elected president of Alpha Tau Omega for the spring semester.

Other officers are: Bill Cormack, vice president, Amarillo; Jim Davis, secretary, Amarillo; Scott Hickman, treasurer, Ozona; Joe Harris, keeper of the annals, Clovis, N.M.; Pete English, sergeant at arms, Midland.

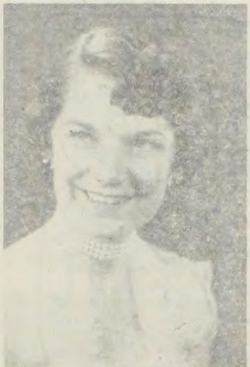
Tri Delts Donate Gifts to Charity

Needy children in Lubbock had a merry Christmas as a result of contributions made by the Tech chapter of Delta Delta Delta. Toys, canned goods and other foods were donated to the Salvation Army at the Tri Delt Christmas party, held at Mackenzie State Park barbecue pit before the holidays. Alumnae and patronesses were guests.

Dilly Is Named President Of Kappa Sigma Fraternity

Don Dilly, Borger junior, was recently elected president of Kappa Sigma, social fraternity.

Other officers are: Jim Ashley, vice president, from Rotan; Jack McCracken, master of ceremonies, Hereford; Jim Patterson, secretary, Wichita Falls; Pat McCullough, assistant secretary, Hereford; Howard Parker, treasurer, Eldorado; Clay Cummings, assistant treasurer, Fort Worth; James Burdette and Tim Russell, guards, Anton and Beaumont, respectively.



ONE OF THESE THREE finalists will be presented as the Rose of Delta Sig at the Delta Sigma Pi formal dance Saturday night. Left to right: Barbara Cowherd, Dallas freshman; Patricia Johnson, Pampa sophomore; and Marie Petty, Big Spring senior. The winner will compete in the national Rose of Delta Sig contest in February.

Rose of Delta Sig To Be Presented Saturday; Campus Winner To Compete for National Title

Highlighting the Delta Sigma Pi Rose Formal Saturday night will be the presentation of the Rose of Delta Sig. The international business fraternity will select the winner from the three finalists: Barbara Cowherd, Dallas; Patricia Johnson, Pampa; and Marie Petty, Big Spring.

The Union Ballroom, where members and dates will dance to the music of Burl Hubbard from 8:30 to 10:12, will be decorated with red roses, the fraternity flower.

The local winner will compete with other chapter sweethearts in February for the title National Rose of Delta Sig.

Barbara Cowherd, freshman home economics student, was runner-up in the South Plains Maid of Cotton contest. She is a Kappa Alpha Theta pledge.

Patricia Johnson, an arts and sciences sophomore, is a member of the German club.

Marie Petty, business administration senior, is pledge trainer.

Hampton Named AWS Vice Prexy

Jane Hampton, Denton senior, was elected vice president of the AWS Council for the remainder of the term Monday. She is in charge of the AWS Big-Little Sister program which will be in effect early in the second semester.

AWS will sponsor a panel of five members to discuss for BSO the proposed plan of compiling activity cards of women to be kept on file in the office of the dean of women. The cards, which are to be filled out by each woman student on campus, contain a list of various activities in which the students have participated and are now taking part.

"Women's Day" plans are being developed, according to Iris Brunson, president. On a designated day in the spring each woman student on campus will dress in white and attend activities observing the occasion.

Director and Students Seek Ideas For New Union Wing

Building facilities and operational services were the object of careful study of three members of the Tech Union Board as they visited the University of Oklahoma on Dec. 21.

William Scott, union director, Melvin Deardorff and Gwen Williams made the trip to Oklahoma for the purpose of getting some ideas on union planning which might be incorporated in the additional wing to the Tech Union.

Mr. Scott announced today that some members of the union board will travel to Texas A&M College later this month to look over their union building for other possible ideas.

of Phi Gamma Nu, honorary business fraternity for women. She is a member of 4-H club, Pi Omega Pi, honorary business education, Future Teachers of Amer-

Plans Announced For Spring Rush

Formal spring rush plans are being made by the Panhellenic Council for rush week Jan. 31 to Feb. 6.

Women students interested in sorority affiliation must sign up for formal rush in the office of the dean of women by 5 p.m. Monday, Jan. 31. All women students with a 1-point grade average for the preceding semester, transfers and new students are eligible to participate in rush week.

The nine national sororities will entertain rushees with only one cove party each. Sororities, with the exception of Pi Beta Phi, which has its quota, will be able to take pledges and fill their quota.

Formal spring rush will officially open with Convocation in the Union Ballroom at 5 p.m. Thursday, Feb. 3. Rushees will be given instructions and rules for the rush period. Rushees must attend all parties.

Party schedule:
Friday, February 4: 7-8 p.m. Kappa Kappa Gamma.
8:30-9:30 p.m. Zeta Tau Alpha.
Saturday, Feb. 5: 1:30-2:30 p.m. Sigma Kappa.
3-4 p.m. Alpha Chi Omega.
4:30-5:30 Delta Gamma.
7-8 Alpha Phi.
Sunday, Feb. 6: 2-3 p.m. Pi Beta Phi.
3:30-4:30 Kappa Alpha Theta.
5-6 Delta Delta Delta.

FELLOWSHIPS OFFERED

Graduates of the college in June who go into newspaper work or political science teaching will be eligible to secure \$4,000 fellowships as "congressional internes," working for a year in the offices of congressmen to gain political knowledge. The awards to be made next year to five young journalists and five political science teachers were set up by the Edgar Stern family fund of New Orleans.

APO GETS "MILLION"

The Ann Arbor chapter of Alpha Pi Omega, service fraternity, received a check for \$1,000,079.80 from the Boy Scouts of America recently. Only \$79.80 was intended, so the check was returned.

ica. She was ROTC Sweetheart in 1951.

Members and dates attending: Barry Brooks, Robin Hatchett; Glen Cary, Joan Chesher; Larry Duenkel, Carol Waggoner; Jimmie Ethridge, Josie Byrd; Shade Goar, Bettie Ethridge; Bill Harpole, Anise Baynes; Jerry House, Barbara Cowherd; Gregory Keys, Dorothy Clements; Theo Lofton, Alene Curtis; Jackie McCuiston, Sue Young; Bob McMullan, Grace McWhorter; Wendell Phillips, Sharon Millican; Jack Pruitt, Suzy Miller; Leon Puckett, Dolores Ramage; Don Riggs, Rosa Cummings; Bob Sampson, Marie Petty; James Spencer, And Anderson; Don Furgesson, Carole Crowder; Paul Cato, Pat Dryden.

Mesdames and Messrs. Clarence Beauford, Jesse Bumpass, Ronnie Clark, Bill Crume, Charles Lane, Marshall Middleton, Sterling Miller, Harlen Nolen, Charles Northington, Dr. Howard Golden, sponsor; and Mrs. Golden also will be present.

Sixteen members were recently initiated into the fraternity. B. C. Butler from Dallas was guest and Dean James G. Allen was guest speaker.

New members are: Rex Black, Brownfield; Jesse Bumpass, Lubbock; James Byers, Perryton; Glen Cary, Brownfield; Larry Duenkel, Pampa; Ed Golden, Lubbock; John Hutchens, Lubbock; Milton Johnson, Hamlin; Mackie McCuiston, Lubbock; Robert Noble, Brownfield;

Howard Parker, Eldorado; Carl Ince, Childress; Jack Pruitt, Odessa; Bob Sampson, Brownfield; Fred Schmidt, Gainsville; Fred Williams, Pampa.

Phi Gamma Delta Dance Is Slated As Formal Event

The Phi Gamma Delta annual winter formal dance will be held Saturday night in the ballroom of the Lubbock Hotel.

Phi Gams and their dates will dance from 9 to 12 to the music of The Esquires. Roy Smith, Jo Jo Bryan and Freeman Gross are in charge of arrangements for the dance.

Members and dates are: F. L. Ballard, Joyce Sharp; Bob Black, Tooter Fortune; Jerry Bratcher, Marilyn Graham; Don Brice, Marilyn Merrill; Bill Burton, Jane Taylor; Dee Clement, Janna Murray; Fred Currie, Jody Miller; Bill Gaither, Shanlene Smith; Joe Goodin, Pat Smith; Freeman Gross, Ann Hogg; Van Hall, Diane Thomas; Bill Harpole, Anisse Baynes; Jerry Jackson, Mary Alice Richardson; Bruce Johnson, Joyce Ann Thorp; Ken Johnson, Gwen Williams; Ross Jones, Joan Roberts; Carl Kennedy, Bette McGehee; Bob Killian, Gwen Gracey; Dave Larson, Suzanne Matteson;

Dean Lewellen, Elaine Bell; Joe Lynch, Revis Gilbert; George Mallett, Charlene Willoughby; John Marse, Reita Martin; Bruce Matson, Betty Deal; Ted Mellinger, Laura Lou Bailey; Tom Morris, Yuvonne Worley; Tom Parks, Gladys Crandall; Jim Rich, Jean Tindall; Jerry Russell, Pat Garrett; Melvin Schlegel, Betty Stewart; Roy Smith, Kay Culbreath; Bobby Waddle, Barbara Ware; Ken Whittington, Alice Ireland; Brad Wilde, Anne Rathjen; Bob Williams, Kay Lawrence; Monte Vise, Betty Jo Starnes; Morris Womack, Ann Davidson.

Messrs and Mesdames Verle Downey, Ray Lunn, Ralph Sharpe, Roddy Stargel and Jim Ware.

Pledges and dates are: Bill Bristol, Averill Brinkman; Wendell Dorsett, Norma Crownover; Jerry Bob Fraley, Pat Hayter; Jim Ratliff, Nelda Vaughter; Jerry Wilson, Corinne Urbanczyk.

Typing Clinic To Be Held By Expert Here On Feb. 5

Philip S. Pepe, manager of the typewriting educational services of Remington Rand, Inc., will be on campus Saturday, Feb. 5, for a typewriting clinic. Mr. Pepe, author of "Personal Typing in 24 Hours" and co-author of "Typing Simplified," is an expert on all phases of typing.

The clinic will consist of typewriting demonstrations by Mr. Pepe from 9 to 11:30 a.m. in Ad 372, followed by a luncheon at 12 noon in the Student Union Building. The clinic is sponsored by the department of business education and Pi Omega Pi, national honorary business education fraternity.

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\$750,000 Project 1956 Date Set For Completing Union Addition

Construction of an addition to the Texas Tech Student Union Building could start by early next fall, according to Nolan Barrick, Tech campus architect.

The board of Directors has approved \$750,000 to be spent in the construction of an additional unit to the Union building, including swimming pool. The pool will be used by the women's physical education department and for recreational uses.

Six Months for Planning
The planning phase is expected to be completed within the next six months. Bill Scott, Tech Student Union director, said that the Union planning board is aiming at a minimum completion date of September, 1956.

A traffic count of students coming to Tech union on a typical day totaled 4,074 from a current enrollment of 6,257, Scott said. Spot checks of the snack bar area, which seats 180, for 15-minute periods during three mid-week days showed 245, then 266, and on the third day 318 students.

The Union director queried all campus clubs and organizations requesting student ideas on meeting rooms, an auditorium, an additional ballroom, conference rooms and living facilities for visiting parents and friends.

Planned 40 Centers
Porter Butts, director of the University of Wisconsin Student Union, has been named consultant for the addition. He has helped plan more than 40 student centers, and is now working on union building plans for Rice Institute.

Butts inspected the present facilities and made a study of the campus. His recommendations have been received and are being considered by the Union planning board and the campus architect. He based his recommendations on spot checks, special needs, and campus needs.

Music, Game Rooms
Atcherson & Atkinson of Lubbock and Davis & Foster of El Paso have been retained for architectural and engineering work on the second unit of the present union building.

Construction will probably include space for offices, meeting rooms, organization offices, complete game room area, and music and browsing rooms. It also will include an extension of the present snack bar seating area and a remodeling of the existing food-preparing space. There is a possibility of including an auditorium and bowling alleys.

March, 1953, saw the opening of the present building. It was planned as the first of three units.

Techsan Tackles Academy Hurdles

Donald D. Allison, 18-year-old Lockney freshman, faced the new year with hopes of an appointment to the new U. S. Air Force Academy.

Allison took initial physical and mental examinations at Walker Air Force Base, Roswell, N.M., before the holidays. A series of examinations will be required before appointments to the charter classes are made in July.

Allison, one of eight candidates at Walker, was given a special tour of the base, including a tour through a B-36, before taking the eight-hour Air Force officer qualifying test and physical exam.

Funeral Service for Ex-Techsan,
Father of Student, Held Monday

Funeral services were held Monday for Frank W. Roberts, Abernathy business man and father of Frank L. Roberts, junior agriculture student. Roberts, an ex-student, died in Fort Worth Saturday following a heart attack.

LITTLE MAN ON CAMPUS

by Dick Bibler



"Now that you've exchanged and graded papers, do we have anyone who made a '100'?"
(See editorial, "Talk Is Not Enough.")

AN EDITORIAL

Talk Is Not Enough

How many times has it been said that cheaters hurt only themselves? Probably more times than there are numbers of count. And yet, even the most generous will admit that cheaters hurt not only themselves but their classmates, their teachers and their college.

Many is the time that this argument has been presented: most students cheat because they fail to see the importance of required course to their major field. This may or may not be the reason for cheating, but whatever it is, an excuse it is not. And many students seem to believe it is an excuse.

How Many Do It?

The percentage of cheaters at Texas Tech is not known. It may be high. Every student is acquainted with someone who uses notes during a quiz, or copies brazenly from an open textbook. Not only does this practice disgust the honest student, it places him at a disadvantage when the grades are passed out. And while no one could deny a student's right to report a cheater, the student who takes such a step is looked upon by teacher and class member alike as something of a squealer.

What is the solution to this problem which involves every student and every teacher at Texas Tech? The final answer may lie in a critical examination of our present set of values. But the immediate solution is, or should be, clear.

What Can Be Done?

Both teachers and students must take stock of the situation and work to correct it. The teacher must stay in the room during examinations and not leave the class in charge of a student assistant, or bury himself in papers to be corrected, or stare at the ceiling. The student must take an active interest in his own welfare. He must be willing to take the steps necessary to make the teacher aware of what is going on. And once the cheater is apprehended, he must be dealt with firmly and quickly, as one deals with an interloper who threatens the security of the group.

Mere talk is not enough.

—David Clark

the toreador

THE TOREADOR, student newspaper of Texas Technological College is published each Thursday on the campus at Lubbock by the associated students of the College.

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..... Staff Members

Need for Training Is Seen

Press Advisors' Course Is Moved From Summer to Spring Schedule

Students preparing to teach will have an opportunity in the spring semester to learn high school publications methods, it was announced today by Dr. William E. Hall, head of the department of journalism.

The department will offer Journalism 432, High School Publications, for the first time in a regular session. The course heretofore has been limited to summer sessions. Journalism 432 will be scheduled 7 to 10 p.m., Wednesdays only.

The High School Publications course is designed to train supporters of high school newspapers

and year book staffs. Problems of writing, editing, advertising, circulation and supervision will be considered.

The course will be taught by Dodd Vernon. He taught high school publications methods and other journalism courses at Southern Illinois University before coming to Tech, and taught journalism in Albuquerque High School.

Trained publications advisors are needed in many high schools, Mr. Vernon pointed out, and the background of the High School Publications course will enable a teacher to approach advisor duties with assurance and skill.



On Campus with Max Shulman

(Author of "Barefoot Boy With Cheek," etc.)

SCIENCE MADE SIMPLE: No. 1

In this day and age, as I like to call it, everybody should know something about science. Unfortunately, however, the great majority of us are majoring in elocution, and we do not get a chance to take any science. But we can at least learn the fundamentals.

Though this column is intended to be a source of innocent merriment for all sexes and not to concern itself with weighty matters, I have asked the makers of Philip Morris whether I might not from time to time use this space for a short lesson in science. "Makers," I said to them, "might I not from time to time use this space for a short lesson in science?"

"Bless you, lad!" cried the makers, chucking. "You may certainly use this space from time to time for a short lesson in science. Let us start today with chemistry. It is fitting that chemistry should be the first of our series, for chemistry is the oldest of sciences, having been discovered by Ben Franklin in 123 B.C. when an apple fell on his head while he was shooting the breeze with Pythagoras one day outside the Acropolis. (The reason they were outside the Acropolis and not inside was that Pythagoras had been thrown out for drawing right triangles all over the walls. They had several meetings outside the Acropolis, but finally Franklin said, "Look, Pythagoras, this is nothing against you, see, but I'm no kid any more and if I keep laying around on this wet grass with you, I'm liable to get the break-bone fever. I'm going inside." Pythagoras, friendless now, moped around Athens for a while, then drifted off to Brussels where he married a girl named Harriet Sigafos and went into the linseed oil game. He would also certainly be forgotten today had not Shakespeare written "Othello.")

So, with the cordial concurrence of the makers, I will from time to time devote this column to a brief lesson in science.

Let us start today with chemistry. It is fitting that chemistry should be the first of our series, for chemistry is the oldest of sciences, having been discovered by Ben Franklin in 123 B.C. when an apple fell on his head while he was shooting the breeze with Pythagoras one day outside the Acropolis. (The reason they were outside the Acropolis and not inside was that Pythagoras had been thrown out for drawing right triangles all over the walls. They had several meetings outside the Acropolis, but finally Franklin said, "Look, Pythagoras, this is nothing against you, see, but I'm no kid any more and if I keep laying around on this wet grass with you, I'm liable to get the break-bone fever. I'm going inside." Pythagoras, friendless now, moped around Athens for a while, then drifted off to Brussels where he married a girl named Harriet Sigafos and went into the linseed oil game. He would also certainly be forgotten today had not Shakespeare written "Othello.")

But I digress. We were beginning a discussion of chemistry, and the best way to begin is, of course, with fundamentals. Chemicals are divided into elements. There are four: air, earth, fire, and water. Any number of delightful combinations can be made from these elements, such as firewater, dacton, and chef's salad.

Chemicals can be further divided into the classes of explosive and non-explosive. A wise chemist always touches a match to his chemicals before he begins an experiment.

A great variety of containers of different sizes and shapes are used in a chemistry lab. There are tubes, vials, beakers, flasks, pipettes, and retorts. (A retort is also a snappy comeback, such as "Oh, yeah?" or "So's your old man!")

(Perhaps the most famous retort ever made was delivered by none other than Noah Webster himself. It seems that one day Mr. Webster's wife walked unexpectedly into Mr. Webster's office and found Mr. Webster's secretary sitting on Mr. Webster's knee. "Why Mr. Webster!" cried Mr. Webster's wife. "I am surprised!"

"No, my dear," he replied. "I am surprised. You are astonished." (Well, sir, it must be admitted that old Mr. Webster got off a good one, but still one can not help wishing he had spent less time trifling with his secretary, and more time working on his dictionary. Many of his definitions show an appalling want of scholarship. Take, for instance, what happened to me not long ago. I went to the dictionary to look up "houghband" which is a band that you pass around the leg and neck of an animal. At the time I was planning to pass bands around the legs and necks of some animals, and I wanted to be sure I ordered the right thing.

(Well, sir, thumbing through the H's in the dictionary, I happened to come across "horse." And this is how Mr. Webster defines "horse"—"a large, solid hooved herbivorous mammal, used as a draft animal.")

(Now this, I submit, is just plain sloppiness. The most cursory investigation would have shown Mr. Webster that horses are not mammals. Mammals give milk. Horses do not give milk. It has to be taken from them under the most severe duress.)

(Nor is the horse a draft animal, as Mr. Webster says. Man is a draft animal. Mr. Webster obviously had the cavalry in mind, but even in the cavalry it is men who are drafted. Horses volunteer.)

But I digress. We were discussing chemistry. I have told you the most important aspects, but there are many more—far too many to cover in the space remaining here. However, I am sure that there is a fine chemistry lab at your very own college. Why don't you go up some afternoon and poke around? Make a kind of fun day out of it. Bring ukeleles. Wear funny hats. Toast frankfurters on the Bunsen burners. Be gay, be merry, be loose, for chemistry is your friend!

©Max Shulman, 1954

This column is brought to you by the makers of PHILIP MORRIS who think you would enjoy their cigarette.

"Count Robe College's Hi Shown By M In Museum

The Plains Indian "winter count robe" is situated on the Plains Indians used fitting that the history robe is told on the day of these robes.

The Tech Museum is one wing to a "Life On Plains" gallery, dating 100 years ago to 1954. The gallery that the history Tech is recorded on count robe, depicted in the west wall.

Creation of Tech by with Senate Bill 103.

Here are some of the recorded in the painting. Lubbock celebrated the college here and Dr. Horn's appointment as ident. College tradition 1925 when Dr. Horn "Matador Song" and football team classes 1,100 students and 45 in the Textile, Ad, and music Buildings. The opened that year and Judging Pavilion was present Gym was built.

First Degree
Twenty-six degrees ferred at the first con exercises in 1927 and T first master's degree th year. By this time

Management House w were the Chemistry Engineering Buildings. Seven years after founded enrollment ad so great that the co third in Texas—next to versity and Texas A Bradford Knapp, Te president, came in 19

was paved in 1933 ar following found the C West and Oak Halls Tech Press established ment of the West Building.

Another tradition w ed in 1926 when the v were installed. The s erected that year, a "ground floor" of th The library was built later.

In Cotton Bo
Dr. Clifford B. Jor aguated as third p 1929, the same year played St. Mary's of C the Cotton Bowl. Cam ment continued in 19 with Speed and Dran Journalism and Aggri being constructed.

The Air Crew detac In 1943 and the next fourth president, Dr. burn, took office. Te continued with the op Rec Hall in 1945. Tech was recognized t Association of Univer Dr. D. M. Wiggins I president in 1948, and year an amendment cring funds for Texas Stadium, Knapp and were built at about program to landscap went into effect in 1 Museum was complet following.

Building Prog
Two new wings we the Administration E the H. E. Building w in 1951. Dr. E. N. Jc the college's sixth i 1952. This was a ye new buildings on cam Ag Engineering, Scie Engineering Buildings doctor's degree was last year also.

Last year found T Auburn in the Gato opening of the Stu Building and installa tional fraternities an

"Count Robe" College's History Shown By Mural In Museum Wing

The Plains Indians used a "winter count robe" to tell the tribe's history. Since Texas Tech is situated on the land where the Plains Indians used to roam, it is fitting that the history of the college be told on the outline of one of these robes.

The Tech Museum has devoted one wing to a "Life On the South Plains" gallery, dating from 10,000 years ago to 1954. It is in this gallery that the history of Texas Tech is recorded on a winter count robe, depicted in a mural on the west wall.

Creation of Tech began in 1923 with Senate Bill 103.

Here are some of the highlights recorded in the painting: In 1924 Lubbock celebrated the location of the college here and Dr. Paul W. Horn's appointment as first president. College tradition began in 1925 when Dr. Horn wrote "The Matador Song" and named the football team. Classes began with 1,000 students and 45 instructors in the Textile, Ad, and Home Economics Buildings. The bookstore opened that year and the Stock-Judging Pavilion was built. Tech's present Gym was built in 1926.

First Degrees

Twenty-six degrees were conferred at the first commencement exercises in 1927 and Tech gave its first master's degree the following year. By this time the Home Management House was built, as were the Chemistry and West Engineering Buildings.

Seven years after Tech was founded, enrollment advances were so great that the college rated third in Texas—next to Texas University and Texas A and M. Dr. Bradford Knapp, Tech's second president, came in 1932. The Circle was paved in 1933 and the year following found the campus with West and Doak Halls added and Tech Press established in the basement of the West Engineering Building.

Another tradition was established in 1926 when the victory bells were installed. The stadium was erected that year, as was the "ground floor" of the Museum. The Library was built two years later.

In Cotton Bowl

Dr. Clifford B. Jones was inaugurated as third president in 1939, the same year that Tech played St. Mary's of California in the Cotton Bowl. Campus development continued in 1941 and 1942 with Sneed and Drane Halls, the Journalism and Aggie Buildings being constructed.

The Air Crew detachment came in 1943 and the next year Tech's fourth president, Dr. W. M. Whyburn, took office. Tech's history continued with the opening of the Rec Hall in 1945. A year later Tech was recognized by American Association of Universities.

Dr. D. M. Wiggins became fifth president in 1948, and in the same year an amendment creating building funds for Texas colleges and universities was established. Jones Stadium, Knapp and Horn Halls were built at about this time. A program to landscape the campus went into effect in 1949 and the Museum was completed the year following.

Building Program

Two new wings were added to the Administration Building and the H. E. Building was enlarged in 1951. Dr. E. N. Jones became the college's sixth president in 1952. This was a year of many new buildings on campus—Music, Ag Engineering, Science, and East Engineering Buildings. The first doctor's degree was awarded in that year also.

Last year found Tech beating Auburn in the Gator Bowl—the opening of the Student Union Building and installation of national fraternities and sororities.

Student Concert Planned Tuesday

The strains of Handel, Debussy and other classical and semi-classical composers will fill the Music Building Auditorium Tuesday at 4:10 p.m. as a student recital gets under way.

This is the last student recital until Feb. 8. The program for Tuesday:

Honour and Arms ("Sampson")	Handel
Myron McCarty, bass	
Joyce Miller Cunningham, at the piano	
"O Sleep Why Dost Thou Leave Me?" ("Semle")	Handel
Anne Mason, contralto	
Celia Fember, at the piano	
Skyrlark, Pretty Rover	Handel
Gloria Small, soprano	
Nancy Hays, at the piano	
Toccata in E Flat	Krebs
Virginia Purbee, piano	
"Who Is Sylvia?"	Schubert
Robert Wham, bass	
Sue Applegate, at the piano	
The Vagabond	Bill McCormack
Bill McCormack, tenor	
Don Armstrong, at the piano	
Vision Fugitive ("Herodiade")	Massenet
Wayland Stevens, bass	
Martha Judah, at the piano	
Reverie	Debussy
Dana Wampler, piano	
Mintika No. 3	Villa Lobos
Virgil Martin, piano	
Toccata	Poulenc
Mrs. James Vickers, piano	
The Trumpeter	Arlie Dix
Dick Baird, bass	
Helen Willis, at the piano	
Caprice	Bernard Fitzgerald
Kenneth Briden, Scott Couch,	
Jim Edmondson, Phil Pearce	
(Trumpet Quartet)	

Zukauckas Discusses Techniques Used

Greenhouse Production Not Restricted By Seasons

"Seasons of the year mean almost nothing to a greenhouse, according to E. W. Zukauckas Jr., part-time instructor and manager of Tech's greenhouse. "By using automatic steam heat and regulators and ventilators, I can keep the temperature to within one degree of accuracy."

Greenhouse crops require a very specific temperature during stages of their development, he told a Toreador staff member.

The Tech greenhouse, built in 1947 for approximately \$100,000 is recognized as one of the nation's best for teaching purposes.

Soil used is nearly all tailor-made for each plant.

The greenhouse is largely self-supported by sales to commercial florists. Freshmen horticulture projects usually are sold to the florist.

"At this time of the year we concentrate on chrysanthemums," he explained. "Mums normally bloom in November, but by delaying the blooming until Christmas, more flowers can be sold. Chrysanthemums will bloom more quickly during the night, so the delaying technique is mainly ac-

complished by the use of lighting at night."

"The last year or so we have been conducting research to discover the type of mums that would be ideal for this area," Zukauckas says.

"Even with all openings protected by screen wire, we often have insect invasions," he said.

To combat these pests he uses either a spray or applies liquid systemic poisoning. This relatively new principle allows poison to be poured directly on the plant or on the ground around the roots. Then, after the poison enters its juices, the plant is a growing "mickey finn" to any insect that tries to digest a bite.

MEN WANTED

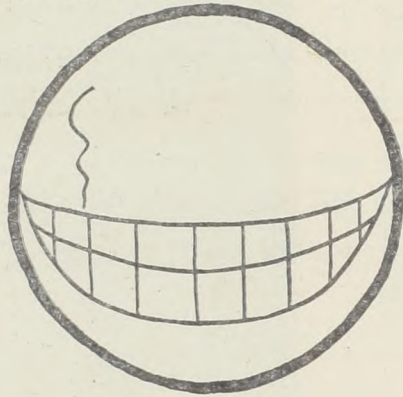
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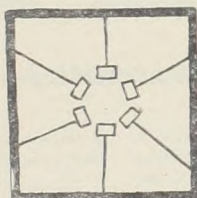


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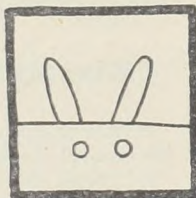
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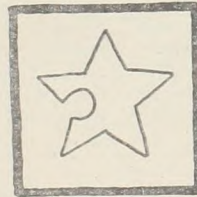
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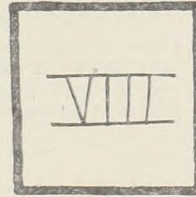
AERIAL VIEW OF MARSHMALLOW ROAST
Jim De Haas
Michigan State College



RABBIT WATCHING BASEBALL GAME THROUGH KNOTHOLES
Ann Antine
C.C.N.Y.



EX-SHERIFF'S BADGE
Norris Edger-ton
Virginia Polytechnic Institute



ROMAN FIGURE SKATER
Michael Soles
U.C.L.A.

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And So Tech Won in Gator Bowl Sandra Shook Reigns in Jacksonville As Queen at Grid Classic Festivity

It took a woman student to do it, but Sandra Shook, Lubbock music junior, gave Texas Tech its second Gator Bowl victory in two years.

Sandra outclassed nine other contestants to be crowned queen of the Jacksonville grid classic. Auburn beat Baylor this year, after losing to Tech's Red Raiders a year ago.

Other prizes (see photo at right), a small one such as each entrant got, and a large one after selection as queen. She will receive other prizes later from the Gator Bowl Association. It is not yet known what they will be, but last year's winner was awarded a wardrobe and a diamond ring.

General Gives Trophy
Other entries were from Florida State, University of Miami, Stetson University, Auburn, Baylor, Georgia Teachers College, Clemson, University of Georgia and University of Florida. Competition included interviews and two public presentations.

Sandra was presented the winner's trophy by Gen. James A. Van Fleet. She wore a white nylon tulle evening frock, with ostrich plume trim, and her accessories included long white gloves and ostrich plume fan.

Double T's Choice
Contestants were received as guests at the Naval Air Station, Jacksonville, and aboard the aircraft carrier Midway. Many Jacksonville residents told Tech's entry that they were sorry the Raiders did not return to the Gator Bowl this year.

Sandra was selected as the representative of this campus by the Double T Association. She is a member of Kappa Alpha Theta sorority, a former candidate for South Plains Maid of Cotton, and a nominee last year for Sun Bowl Princess.

The trip for Sandra and her mother, Mrs. Raymond Shook, was an all-expense paid event provided by the Gator Bowl sponsors.



TECH WAS IN THE GATOR BOWL in a big way when Sandra Shook, Lubbock Junior, was crowned Bowl queen.

Tech Students To Take Summer Trip To Europe

A Tech assistant professor of accounting, who took 62 persons to Europe last year on two tours, today announced plans for another such tour in the summer of 1955.

Mrs. Luta F. Eaves, who taught in Europe in 1945-47, announced that the land portion of the tour, by motor coach, will be conducted by Brownell Travel Bureau, in operation since 1887. The use of highway travel was chosen in order to see Europeans in everyday activities, she said.

The voyage to Europe will be on the liner Homeric. It will sail from Quebec, and dock in Le Havre. The itinerary will include France, Italy, Switzerland, Germany, Belgium, Holland and Great Britain.

All expenses except those of a purely personal nature are included in the tour charge.

GARDENIA GIRL NAMED

Miss Pat Jones, sophomore from Dallas, was chosen Pi Kappa Alpha Gardenia Girl for December. She was presented with a corsage at a chapter meeting by Jim Jenkins.

Brass Ensemble To Put Oompah In Dallas Meet

The brass ensemble from the music department will toot Tech's horn in Dallas Feb. 8-10 when they provide a part of the program for the annual convention of the Texas Music Educators' Association.

Nine students will perform: Cornets—Scott Couch, Jim Edmondson, Phil Pierce and Ken Briden; french horns—David Wiggins, Kathy Gilbert, Gordon Collins and Patty Craine; and trombone—James Carthal. Bob Taylor of the music faculty will conduct the group.

Last year Tech's french horn quartet played at the annual convention in Dallas.

The meeting also invites secondary school musicians, which compete for all-state band honors.

Joe Ash To Head Block and Bridle

The Block and Bridle Club of the animal husbandry department elected new officers Monday to replace those who will graduate at mid-term.

Former officers who are graduating are: Bill Sims, vice president; J. D. Jones, secretary; Hugh Lackey, treasurer; and Ralph Willingham, reporter. Charles Cunningham, historian will end his term of office in January.

New officers elected for the spring semester are: Joe Ash, vice president; Jessie Adams, secretary; Ben Cross, treasurer; Dick Detten, historian and Roger Brooks, reporter.

IBM Machine Tallies Election in Record Time

A University of Maryland campus election was tallied by an IBM machine within a few hours. In a freshman class election, voters were furnished electrographic pencils and special ballots.

Discussion Of Alcoholism Is Scheduled For Monday

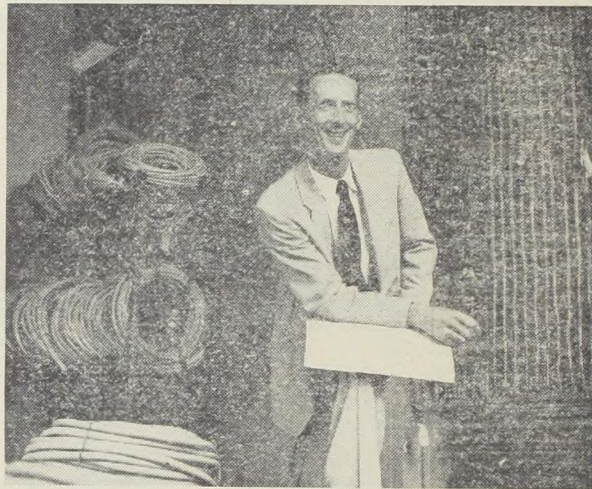
Alcoholism will be discussed in a seminar Monday from 3 to 5 p.m., it was announced today from the office of Dr. S. J. Kaplan, head of the psychology department.

The talk by Nelson Brown of Austin, executive secretary of the Texas Commission on Alcoholism, is one of a series of appearances by off-campus individuals each Monday afternoon, centering on problems of concern to psychologists. The meeting will be in PL 101.

Rochester's Micro Service Widely Used by Libraries

The University of Rochester micropublication service, established as an experiment in 1953, has developed publishing programs in music, medicine, library science, Canadian studies and historical manuscripts, and its microcard reproductions have begun to sell in quantity to libraries throughout the United States.

A Campus-to-Career Case History



"Always something new"

"Different types of work appeal to different men," says Donald O'Brian (A.B., Indiana, '50), in the Traffic Department with Indiana Bell Telephone Company. "For me, I'll take a job that keeps me hopping. And that's just the kind of job I have."

"You'd think that after two years I'd have all the variables pinned down. But it doesn't work that way. When you supervise telephone service for thousands of different customers whose

needs are always changing, there's always something new coming up.

"I started with Indiana Bell in 1952, after two years in the Army. My training program exposed me to many different kinds of telephone work—customer contact, personnel, accounting, operations. I saw a lot of jobs which looked as interesting as mine. As much as I like the kind of work I'm doing now, I bet I'll like my next spot even better."

Don's enthusiasm for his job is pretty typical of how most young college men feel about their telephone careers. Perhaps you'd be interested in a similar opportunity with a Bell Telephone operating company, such as Indiana Bell... or with Bell Telephone Laboratories, Western Electric or Sandia Corporation. See your Placement Officer for more information.



BELL
TELEPHONE
SYSTEM

POST-INVENTORY SALE Starts Monday



"This is your chance
to pick up those
Extra School Supplies."

Help us move our surplus
merchandise at prices that are way down.

Varsity
BOOKSTORE

1305 College Ave.

Phone PO2-1201

Raiders Basketb

Texas Tech's Red Raiders... upon their Border... Friday night... New Mexico A&E... Texas Western... night in another... The Raiders drop... while taking one v... eastern road trip... polished off Furman... Jim Reed. Tech fo... the way with 41 p... losing night Tech... dropped their first... season to nationally... North Carolina Sta... they led to Memph... The Raiders als... match in the All-... Tournament in Or... Dec. 27-30. Polk Ro... encountered defend... Maryland in the fi... lost 38-54. Maryland... essentially to defend... ship, winning the ne... by 17 points.

Tech was out in... time 32-27, but... five turned on the... second half and sli... desperate Raiders... tossed in 24 points... and teammate Bob... another 16. DuWay... dropped in 14 fo... cause and Carpent... Reed put in 12, 11... tively.

Tech met Kentuck... the consolation rou... fell by the roadsid... short end of an... Joe Roop led the... points. Jim Reed led... Tech eagers with 2... center added 16 an... 12.

The do-or-die F... Mississippi in their... came to life. Lead... halftime, the Tech... down and took the... the tournament, 86... seventh place Jim

Baptist Stu Fund Over

Members of the Baptist Student Center... deeply into their po... tribute to their A... Moon Christmas of... made it a record bre... for Baptist students... ing to Bruce McKiv... of the center.

The fund today ha... 900 and was steady... the expected goal o... money will be use... missions in memor... Moon, woman m... China.

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MRS WIGGIN... Funeral was held... Canadian for Mrs. F... 83, mother of Tech's... ident, Dr. D. M. Wi... book.

MEXICANS TO... Thirty students fr... Excelsa Superior Ing... are expected to visit... engineering departm... according to Raymor... department head.

Raiders To Open Border Basketball Play Friday

Texas Tech's Red Raiders will open their Border Conference campaign Friday night playing host to New Mexico A&M. They will face Texas Western here on Monday night in another conference tilt.

The Raiders dropped two games while taking one victory on their eastern road trip. The Lubbockites polished off Furman, 111-103, with Jim Reed, Tech forward, paying the way with 41 points. The following night Tech's basketekers dropped their first game of the season to nationally fourth-ranked North Carolina State, 85-74. Then they fell to Memphis State, 75-66.

The Raiders also met their match in the All-American City Tournament in Owensboro, Ky. Dec. 27-30. Polk Robison's Raiders encountered defending champion Maryland in the first round and lost 58-54. Maryland went on successfully to defend their championship, winning the next two games by 17 points.

Tech was out in front at half-time, 32-27, but the Maryland five turned on the steam in the second half and slipped past the desperate Raiders. Bob Kessler tossed in 24 points for top honors and teammate Bob O'Brien added another 16. DuWayne Blackshear dropped in 14 for the Raider cause and Carpenter, Ince and Reed put in 12, 11 and 8, respectively.

Tech met Kentucky Wesleyan in the consolation round and again fell by the roadside holding the short end of an 89-86 score.

Joe Roop led the hosts with 34 points. Jim Reed led the unhappy Tech cagers with 22, while Carpenter added 16 and Blackshear 12.

The do-or-die Raiders faced Mississippi in their final game and came to life. Leading 44-29 at halftime, the Techs didn't slow down and took their first win of the tournament, 86-60, to capture seventh place. Jim Reed again

paced the Raiders with 30 points, followed by Eugene Carpenter with 25. Denver Brackeer, flashy center for Mississippi, tossed in 20 points and Joe Gibbon added 15.

Tech missed winning all three games by a meager total of seven points. Although the Lubbockites didn't finish in the top bracket, they showed plenty of promise and have been picked to defend successfully their Border Conference title.

Picador Cagers Defeat Cameron

The Picadors, Texas Tech's freshman basketball team, slapped the Cameron Aggies in Lawton, Okla., last night, 79-76, for their fifth win of the season.

Team spirit, backboard control and hustle spelled the difference for the Tech Frosh. Tony Reales, Bobby Wilson and Joe Horne took possession of the backboards, while Royce Elam and Logan Cummings showed great defensive work.

The Pies held a substantial 39-32 half-time lead, then pulled away during the third period only to see the Aggies pull a full court press and start their comeback. The Oklahoma lads pulled to within three points as the game ended, but that is as close as they ever came except for the first moments of the game.

Wilson led the scoring column with 25 points, followed by Elam with 15 and Cummings with 14. Bob Seibhur led the Aggie scoring with 16 points, while Tunley dropped in 15, and Warren added another 14.

Tech Senior Football Players Display Talents In Blue-Gray, Salad Bowl Tilts

Several Texas Tech senior football players figured prominently in games during the holidays.

Techsans Jerry Johnson, Rick Spinks and Claude Harland did valuable work in the Blue-Gray game played in Mobile, Ala., Christmas Day. The Blues took their first win in five years with a 14-7 victory, and only their fifth victory in 16 games.

Harland played brilliant ball at defensive left end and offensive right end.

Spinks felt right at home taking handoffs from Johnson. Spinks turned in several good runs while Johnson directed the Gray team most of the game.

All Doggett, the flashy little quarterback from Louisiana State that handed the Raiders plenty of misery in defeating them 20-13, directed the Gray team to their lone touchdown. The Rebels' only tally came on a nicely executed pass play. The Southerners threatened again in the last moments but couldn't push across the score that might have given them a tie.

Salad Bowl

The Tech seniors really showed their stuff in the Salad Bowl game on New Year's Day even though the Border Conference All-Stars were upset by the Skyline Conference. Denver's Rusty Fairly quarterbacked the Skyliners to a 20-13 victory in the eighth annual Salad Bowl Game.

Tech's Walter Bryan fell on a Skyline fumble on the Border Conference 16, but in turn fumbled and Fairly gathered it in to set up the first Skyline touchdown. Fairly bootlegged the agate over from the nine-yard line.

Skyline Scores

Moments later Fairly scored the second tally of the day from two yards out and the Border stars were left playing catch-up.

With time running out in the first half, the Border team got a

Tech Golf Team Wins Tournament

Texas Tech's golf team brought back everything but the golf course from the Sun Carnival Golf Tournament which ended Friday in El Paso. The Raider first and second teams held their same titles in the tournament by taking the two top spots.

Texas Western finished third in the meet with a total of 987 strokes, almost 100 behind Tech's best.

John Paul Cain, freshman from Sweetwater, fired a final round of 70 to take medalist honors. Cain had a total of 218 strokes, followed closely by teammate Bob Westfall with 219.

The number one team, represented by Cain, Westfall, Eugene "Bunky" Johnson (223) and John Farquhar (225), had a total of 886 strokes on 54 holes.

Tech's number two team fired a total of 913. The team was composed of Don Kaplan (222), David Moody (227), Hal Jarrett (232), and Neil Scorners (232).

MOTHER WRITES BOOK

Doris Wampler, Lubbock sophomore business administration student, has the distinction of having an author for a mother since recent publication of Mrs. Perry Wampler's "When My Girl Marries" by Dorrance Publishing Co., Philadelphia. The book is made up of suggestions for brides-to-be.

STUDENTS IN RALLY

Tech students will be among approximately 500 students to attend Methodist district youth rally to be held tonight at the First Methodist Church. Bob Fork, Lubbock junior will preside. John Taylor, sophomore from Dallas, will lead the singing.

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Basketball League Closed Till Spring

Sneed Hall and Sneed Lions are tied for top honors in the Dormitory League with one victory each as the intramural basketball program closes for the semester.

Phi Gamma Delta is holding down the most advantageous position in the Fraternity League with a 3-0 record, followed by Alpha Tau Omega, Phi Delta Theta and Sigma Epsilon Alpha with 2-1 standings.

The Independent League, playing single-elimination ball, has the Sac Rats and Linksters pitted in the quarter-finals of the winners bracket. Also included are the Klu Klux Klan and Splats and the Tech Vets and Chowhounds. The Krew and Cougars will meet in quarter-final play in the consolation bracket.

Play will resume in the spring semester.

STANDINGS

Fraternity League			
	Won	Lost	Per.
Phi Gamma Delta	3	0	1000
Alpha Tau Omega	2	1	666
Phi Delta Theta	2	1	666
Sigma Alpha Epsilon	2	1	666
Pi Kappa Alpha	1	1	500
Kappa Sigma	1	1	500
Phi Kappa Psi	0	3	000
Sigma Nu	0	3	000

Dormitory League

Sneed Hall	1	0	1000
Sneed Lions	1	0	1000
Doak Hall	0	0	000
Sneed Trotters	0	1	000
Gordon Hall	0	1	000

Vermont Pitcher Plender Shatters Sports Record

University of Vermont baseball fans are awaiting the appearance of George Plender in intercollegiate baseball come spring, according to the Vermont Cynic, university weekly newspaper. Plender shattered sports record books last spring when he pitched an "impossible" 57 2/3 straight scoreless innings in intercollegiate baseball for the University of Vermont.

ENGINEERS TO MEET

"Tomorrow's Power System Engineer" will be discussed at 6:30 p.m. Monday by S. B. McCrary of the General Electric Co., Schenectady, N.Y., in a Rec Hall meeting of the student chapter, American Institute of Electrical Engineers.

CLOTHING STOLEN

Police today were investigating theft of \$500 worth of clothes Sunday night from the car of Lea McKnight, freshman agriculture student from San Angelo. The car was locked and parked on the campus.

Faculty Activities Continue In News

Texas Tech faculty and staff activities continued through the Christmas holidays with the following making news during December:

Dr. W. M. Pearce, head of the history, anthropology and sociology departments attended the annual meeting of American Historical Association in New York, Dec. 28-30.

An article entitled "Great Books Program," written by William R. Thompson, English instructor, was featured in the December issue of the Junior College Journal.

The Adult Education Committee of Spur was the first group to receive a grant under the expanded West Texas Regional Program administered by Texas Tech. The Jury on Local Grants granting them \$643 include Dr. Willa Vaughn Tinsley, dean of home economics; Marshall Pennington, vice president; and Dr. George Elle, assistant dean of agriculture.

Named on Panel

Asst. Prof. Dodd Vernon of the Tech journalism staff has been notified of appointment to a panel of journalism educators who make up the critical service of the Texas Press Association.

The Tech Journalism News, giving news of the department and of Tech journalism graduates, was prepared by journalism faculty members and mailed before the holidays.

Rev. Bruce McIver, Baptist Student Union director and Bible instructor, attended the eighth annual Baptist Student Department seminar held at Mt. Lebanon encampment near Dallas, Dec. 27-30.

Radio Program Aired

The Tech journalism class in radio and television news writing gathered and edited copy for a pre-holiday "Texas Tech News Day" program on KDUB-TV. The program, part of the regular 1-1.15 p.m. news show, was planned by Mrs. Louise Allen, assistant professor of journalism.

Dr. Sylvan J. Kaplan, psychology department head, is at Public Health Service conference on radiation in Bethesda, Md., and will be back on the campus tomorrow.

Dr. Per G. Stensland, head of the adult education program, announced the second annual mid-winter forum on community development on the campus for Jan. 20-21, with more than 30 cities invited.

Baptist Students' Fund Over \$1,900

Members of the Texas Tech Baptist Student Center have dug deeply into their pockets to contribute to their annual Lottie Moon Christmas offering, and have made it a record breaking amount for Baptist students here, according to Bruce McKiver, secretary of the center.

The fund today had passed \$1,900 and was steadily climbing to the expected goal of \$2,500. The money will be used for foreign missions in memory of Lottie Moon, woman missionary to China.

Many of the students, headed in the campaign by E. J. Tarbox, president of the center, did jobs such as yard work, baby sitting, making candy, and serving at banquets in order to give money.

"It's not only that some worked hard to give money," said Bruce McKiver, "but many earnestly dug deeply into their own pockets to help raise the fund." "We sincerely think we will reach our \$2,500 goal before the last of January."

McKiver said that one boy gave \$100 to the fund. Another gave all he had, \$9.05, and then left for home for the holidays without money.

MRS WIGGINS DIES

Funeral was held Dec. 23 at Canadian for Mrs. R. B. Wiggins, 83, mother of Tech's former president, Dr. D. M. Wiggins of Lubbock.

MEXICANS TO VISIT

Thirty students from Mexico's Escuela Superior Ingenieria Textile are expected to visit Tech's textile engineering department Jan. 14-15, according to Raymond K. Fledge, department head.

**MEN WITH GOOD HABITS
LIKE OUR MENSWEAR**



Make it a habit to drop in to see what's new every now and then. Make it a habit to depend on us for your regular needs. You'll like the service, styles and values in our Men's Shops. The ladies are invited, too.

**BRAYS
Campus Toggery**

2422 Broadway Phone PO2-3501

Late Bulletins**Wesley Players
'Ham Actor' Fete
To Initiate 24**

Members and pledges of the Alpha Eta Chapter of the National Society of Wesley Players will attend a "ham actor" banquet at the Methodist Student Center 7 p.m. Friday. The main event will be the initiation of 24 fall semester pledges into Wesley Players, the official dramatic organization of the Methodist Church. According to Rev. Cecil Matthews, director of the center, an emblematic key will be presented to the highpoint pledge. The main dish of the banquet will be related to the "ham actor" theme.

Dr. William E. Hall, professor and head of the department of journalism will attend a meeting in Austin Tuesday and Wednesday of directors of all Texas journalism schools and departments.

Miss Mabel Smith, sociology instructor, was reported in good condition Wednesday at Taylor Hospital. Miss Smith was admitted to the hospital for medical treatment, Dec. 27.

Rowena Hodges and Mrs. Charles Bowen, mid-term graduates, will teach during the second term in the Post Grade School. Applications are being accepted for a music teacher for the second semester at Post.

Tech students in radio may apply for a one-semester, \$300 scholarship in the National Academy of Broadcasting, 3338 16th St. NW, Washington, D. C., it was announced today. Students desiring more training in radio writing and announcing, after graduation from Tech's radio journalism, speech, English or languages departments, may get application blanks from the institute.

The Student Union Board, its last meeting, approved the addition of \$558 worth of new equipment. This amount includes \$350 worth of dishes for banquet service, new silver amounting to \$140 and a loading truck costing \$68.

Seven Tech faculty members participated in the fifth management seminar at Reese Air Force Base with 99 graduates completing the course.

They are Dr. Horace C. Hartzell, Dr. S. M. Kennedy Jr., Dr. S. J. Kaplan, Dr. F. L. Mize, Dr. Per Stensland, Dr. P. M. Larson and C. B. Hubbard.

Dr. Everett A. Gillis, associate professor of English, will be featured speaker at the monthly meeting of the Texas Poetry Association in Dallas Saturday. Dr. Gillis will read from his latest book of poems, "Angles of the Wind."

The commanding officer of Reese Air Force Base, Col. Murray W. Crowder, today expressed to four Tech women students his "personal appreciation for their interest and activity" in a base safety campaign.

Students who participated were Misses Suzanne Matteson, Dallas, homecoming queen; Virginia Mitchell, Ft. Worth, South Plains Maid of Cotton; Gayle Hunt, Lubbock, band sweetheart; and Ruth Ann Cummings, Lubbock, Army ROTC sweetheart.

PRIZE FOR ARCHITECTS

Student architects on the campus may compete for prizes of \$100, \$50 and \$25 in designing suburban headquarters for a corporation, it was announced today. Details of the contest may be secured from Beaux-Arts Institute of Design, 115 E. 40th St., New York, N.Y.

**Film Organization
To Meet Tuesday**

Films '55, a group desiring to bring unique motion picture films to Lubbock, will hold an organizational meeting at 7:30 p.m. Tuesday in the Museum Auditorium.

Foreign, documentary, experimental, art, old and new American films of unusual merit are available to an organized group.

At the Tuesday night meeting a French film, "The Eternal Return," based on the Tristan and Isolde story, will be shown. In addition, plans call for four other programs on the second Tuesday in February, March, April and May.

Dues for the spring season will be \$3 for a membership admitting two persons, \$1.75 for single membership and a special rate of \$10 to campus clubs.

Officers of Films '55 are: Richard Tracy, instructor in applied arts, president; Mrs. Arne Randall, treasurer; Mrs. William Giesert, Mrs. Nolan Barrick and Mrs. Tom Sasser, film selection committee.

Ten Major Employers Schedule Visits**Job Interview Pace Is Stepped Up
As New Year Opens Home Stretch**

Representatives of ten major companies and public agencies will hold interviews for prospective '55 graduates during the next week.

Persons who wish to schedule appointments may call at the Placement Office. Interviews listed according to the date of the interviews and fields of interest are:

**AP0 Devises
Yearbook Plan**

Have you ever seen an annual from a European college or university? Probably not. However, your chances of seeing such a yearbook before leaving Tech were recently increased through action taken by Alpha Phi Omega, service organization for ex-Boy Scouts.

Bill Boyd, chairman of the project, with approval of the Publications Committee today completing plans to send recent Tech yearbooks to foreign universities in exchange for copies of their annuals.

Friday: Deere & Co.; accounting, engineering, and business administration majors.

Monday: Ordnance Corps' Aberdeen Proving Ground; engineering, mathematics, and physics majors; summer employment as well as permanent. Sun Oil Co.; engineering and chemistry.

Tuesday: Schlumberger Well Surveying Corporation; engineering and physics. Mrs. Tucker's Products; engineering, chemistry, and business administration. Stanolind Oil and Gas Co.; petroleum geology, advanced degrees.

Tuesday and Wednesday: Office of Naval Officer Procurement; officer candidates in U.S. Naval Reserve.

Wednesday: U.S. Bureau of Public Roads; civil engineers. Allis-Chalmers Manufacturing Co.; engineering.

Capt. Jack Erwin of the U.S. Marine Corp will be on the campus Monday and Tuesday. He will be located in the first floor in the Rotunda of the Student Union Building.

**Reserve Armory
To Be On Campus**

Action by the Federal Bureau of the Budget on Jan. 15 is expected to give final approval for construction of an Army Reserve armory on the campus.

The new armory will be built on the Fourth Street freeway west of the Stadium, near the campus water tower, on a seven and one-half acre plot. Quarters of the Texas National Guard units here also will occupy the same tract.

Lubbock Army Reserve units will be headquartered in the projected building. The location was approved by a group of Army and area civilian personnel, according to James Goodman, chairman of the Lubbock branch of the Army Advisory Committee to the Commanding General of the Fourth Army.

Reserve headquarters are now at the old South Plains Air Field near the Municipal Airport.

STUDENT MISSING

Search is under way for Norman Seibel, University of Kansas senior medical student who has been missing since the beginning of the Christmas holidays.

Bill Zartman wants to know:

What effect
would an advanced
degree have on
my opportunities
for advancement
at Du Pont?



William N. Zartman is studying for a B.S. in Chemical Engineering at the University of Illinois. Last summer he worked in the Technical Laboratory at Du Pont's Chambers Works to gain industrial experience. He has not yet selected a permanent employer, however; and right now he's asking the kind of questions which will help him select the right job and plan a successful career.



Dr. Sheldon Isakoff received his Ph.D. degree in Chemical Engineering from Columbia University in 1952, doing his graduate research work on the problem of heat transfer in liquid metals. Since graduation he's been engaged in fundamental research work at the Du Pont Experimental Station, Wilmington, Delaware. Dr. Isakoff is now a Research Project Engineer in the Engineering Research Laboratory.

Sheldon Isakoff answers:

An advanced degree would undoubtedly have a favorable effect in technical work, Bill, but let me enlarge on that just a little. In my own field—chemical engineering—a doctorate is considered to be evidence of demonstrated ability in carrying out original research. An advanced technical degree is therefore helpful in obtaining work in research and development, where that skill is definitely important. You might say it gives a man a head start in proving his ability in those areas.

It's less important in some other areas, though. For example, in production or sales work a manifest ability for handling human relationships is just as important for advancement as technical competence. If an engineer is sold on production work or sales, a graduate degree in marketing or business administration might be more helpful to him than advanced technical training—in getting started.

But I've noticed this at Du Pont. Once a man lands a job in his chosen field and actually begins to work, his subsequent advancement depends more on demonstrated ability than on college degrees. That's true throughout the entire company—in scientific work, administration, or what not.

So an advanced degree is not a royal road to anything at Du Pont, Bill. But when coupled with proved abilities, an advanced technical degree is unquestionably helpful to a man in research and development work. It often gives him a chance to demonstrate his abilities more rapidly.

Are you interested in research work?

About 2000 Du Pont scientists are currently engaged in research, aided by some 3500 other employees. Laboratory facilities of the highest quality are available at the Du Pont Experimental Station near Wilmington, and elsewhere throughout the country. Full information about research work at Du Pont is given in "The Story of Research." Write for your copy of this free 28-page booklet to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington, Delaware.



BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

WATCH "CAVALCADE OF AMERICA" ON TELEVISION