

Attend That Engineering



The TORREADOR



Show Friday and Saturday

VOLUME 5

TEXAS TECH. THURSDAY, APRIL 10, 1930

NUMBER 28

Engineers To Open Annual Show Tomorrow Seniors Decide To Start Student Union Fund

Contribution Of Class of '30 Will Be Parting Gift

Building Project Would Serve to Unify Student Activities; Plans Drawn By Architects

To Begin Campaign

Immediate Solicitation Of School and State To Get Underway In Driving For \$100,000 Goal

SENIORS OF '30 voted in regular session Tuesday night to sponsor a campaign...

Centralize Activities In expressing what a Student Union building would consist of...

Twenty-Five Make Engineering Roll

Dean Miller Submits List Of Honor Students In School For Work Done In Winter Term

Twenty-five engineers made grades high enough in the winter term to warrant their names being placed on the honor roll...

(Run by synchronous motors) HOGUE WILLIAMS, president of the student body...

MOSE WITHERSPOON has recently been called "cutie." We don't know whether it is because of his crooning voice or his feet...

From HAL LARY'S talk at convocation Wednesday it looks like he might be president of the freshman class.

THE GREAT (?) VANNERSON kicks against the rules. If he doesn't have a sweater of his own, what's he kicking about? If he does, he must be awfully anxious for us to know what high school he's from.

Engineers' Dean



Dean W. J. Miller of the School of Engineering, who recently made a trip to Columbia, Mo., with W. E. Street as representatives of Tech at the meeting of the American Institute of Electrical Engineers.

Engineering Grads Form Association And Have Banquet

Meet in Youngstown, Ohio, At Time of Engineering Banquet At Tech; Hewett Heads Group

Coming from a distance of several hundred miles, eight graduates of the Tech school of engineering and several others met at Youngstown, Ohio, March 1, to form an organization known as the Tech Engineers' Alumni Association...

Officers chosen for the association are as follows: A. J. Hewett, president; Neville B. Graham, vice president; and Ted Sams, secretary and treasurer.

Scholarships Sent To Honor Graduates

Scholarship certificates were sent out to every affiliated high school in Texas from the registrar's office last week. Each was accompanied by a letter from Dr. P. W. Horn, president of the college.

Biggers Supervises Construction Work

James Biggers, graduate of the class of '28 in civil engineering, will be in Lubbock for several days within the near future supervising the building of a number of large storage tanks for the Texas company.

Field Course In Geology Will Be Held In Summer

Annual Work of Department To Consist of Mapping Pagosa Springs Region in Colorado This Year

Patton Heads Class

Students and Sponsor To Leave June 2 and Return July 14; Last Trip Made Through West to Coast

DR. LEROY PATTON, head of the geology department is completing plans for the fourth geology summer field course, geology 230, which offers practical experience in geologic mapping and in structural geology and stratigraphy.

The work this summer is to be in the Pagosa Springs quadrangle in southwestern Colorado. Dr. Patton is to head the class in person.

Application blanks for the summer course were distributed during the winter term to students in geology. Those whose applications are accepted are to be required to pay a fee of \$75.00, which will cover all expenses for the six weeks term. Deposits of \$10.00 were required when applications were made.

Last year the class went to the Grand Canyon area in Arizona and thence to the West coast, returning at the end of the first term of summer school.

The group will leave this year on June 2, and return July 14. The entire Pagosa Springs quadrangle will be mapped by the class.

Bobbins Choose New Club Heads

The Bobbins club met on Tuesday evening of last week and elected new officers. Basil Hill was elected president, Frank Maddox, vice-president and Winifred Wardell, secretary-treasurer.

Aggie Students To Give Annual Fair

Parades, Riding Contests, Races and Other Events To Lend Color To Feature Of May 3

A girls riding contest, horse races, side shows, hot dog stands, these and many other attractions will be featured at the second annual Texas Tech Aggie fair which will be held Saturday, May 3. A girls' riding contest, which will be in charge of Frank Malin, promises to be one of the major attractions of the one-day affair.

A mammoth parade which will tour the downtown is expected to attract many visitors to the grounds. Several complimentary tickets will probably be given to children of the various schools of the city. Every effort is under way to make this fair a source of amusement to all who attend.

Drawing Work To Be on Exhibition

Opportunity to inspect the quarters of the department of engineering drawing, to see students in the department at work and examine their productions, and to observe the blue print machine in actual operation will be afforded persons attending the engineering show being held Friday and Saturday of this week.

Freshman students in engineering drawing will be engaged in regular class work in the drafting rooms during the show. Drawings of freshman and upperclass engineers, and of aggie and home economics students will be on display.

"Amos 'n Andy" Taxi Service Will Be Offered at Engineering Show

"All bow-d, Boss! Yassuh, Yassuh, Rite Heah!" Thus it is that "Amos 'n Andy," two pairs of them, in fact, will offer the services of their special "Open Air Taxi Cab" company, of American Inks to the public in general, that is, that part of it which visits the engineering show tomorrow and Saturday of this week.

As a matter of fact, the services of "Amos 'n Andy" are being secured for the show by blacking four freshmen, two taxi drivers and two ticket takers, in the darkest hues possible and impressing them into the work.

Another feature of the engineering show that is expected to create much merriment is a demonstration of the mysteries of the slide rule by some amateur magician in the hall of the Engineering building. Much rumor has circulated about the campus concerning the incomprehensible qualities of this instrument, and it is expected that its secrets will be probed to the depth for the benefit of the public.

Professor Makes Experiments With Static Electricity

Dr. W. M. Young Measures Relation Between Factors Involved in West Texas Sandstorms

Being one of the most striking electrical experiments ever conducted in this region, Dr. W. M. Young, associate professor of the department of engineering, has this year been investigating the electrical properties of sandstorms with the view of ascertaining the relation between the different factors involved—the velocity of the wind, the quantity of the sand and the current produced.

The equipment used in the experiment consisted of an aerial 300 feet long suspended between two telephone poles located northwest of the engineering building and a copper lead-in of number 6 wire 115 feet long, entering through sulphur insulators which have high dielectric properties.

Friction produced by the blowing of the sand against the strand of wire gives off a charge that is conducted through the lead-in to the measuring apparatus. It has been ascertained that the amount of current produced is proportional to the amount of sand in the air and to the velocity of the wind.

Tech to Cooperate In Agriculture Work

Texas Tech's school of agriculture is cooperating with Texas A. and M., the state department of agriculture, various agencies throughout the state interested in improved agricultural conditions, and outstanding representatives of the daily and farm press, in a state-wide utilization conference which will be held at Waco April 14 and 15.

Outstanding speakers will appear on the programs of the two day sessions. Frank Baldwin, Waco, will preside at the opening session. Dean E. J. Kyle of Texas A. and M. will be toastmaster at the banquet which will be held the evening of April 14. O. B. Martin of the extension service, A. and M., will preside at the final session.

Architects Paint Design Room Wall

Varied types of mural decorations will be utilized by students in the department of architectural design in painting a large frieze to cover the upper part of the walls of the designing room. Decorations will vary from that of the ancient Mayas to the modern.

General Course in Textiles Offered

A general course in textiles will be offered next year by the textile engineering department to all schools in the college. This should be especially attractive to Home Economics students and Aggie students.

Payne's Proteges To Give Season's Opening Contest

Varsity Strength Increased By Valuable Additions From Discoveries Made In Intramural Contests

Prospects Good

Captain Dallas To Lead Mates In Meet; Matadors Handicapped by Loss Of Fisher With Hurt Leg

THE MATADOR thimble clubs will make their first appearance in intercollegiate competition for this season Saturday afternoon at 2 o'clock when they engage the tracksters from West Texas State Teacher's college on the local cinder path.

Engineering Loan Fund Found To Be Help To Members

Society To Climax Work With Farewell Picnic; Shows Big Growth Over Last Year

By CARY LODAL Carrying out its program of activities designed to render mutual aid and development to its members, the Engineering society of the college has recently made a number of substantial loans to seniors in that school in order that they may find it possible to complete their work here.

The social program of the society will be climaxed this year with a large engineering picnic, an annual affair at which time all undergraduates in the school take leave of the seniors who are going out into the field of industry.

One of the interesting facts concerning the society is that it is by far the largest organization of its kind on the campus, numbering at the present about 280 members. This represents a total of approximately 130 more than the membership of last year.

Engineers To Make Trip Of Inspection

Students of Mechanical Engineering Will Spend Five Days in Dallas Visiting Plants

Mechanical engineers of the college will make a five-day inspection trip to Dallas sometime this term for the purpose of visiting several of the great power plants and machine shops of the city. Prof. Marshall E. Farris will be in charge of the group.

Prepare Material For Golf Knickers

Th juniors are making some golf knicker suiting of a very "passionate" design. The entire work was done by the junior class of the textile department from spinning, designing the pattern, setting up the loom, and making the finished product.

Hunter to Attend Summer Sessions

Melvin Hunter, former electrical engineering student and old basketball letterman, has announced his intention of taking work in Tech during the coming summer school. He recently wrote a letter to Dean W. J. Miller requesting information on the studies he wants to take up here.

Since leaving Tech last spring, Hunter has been employed by the Commonwealth Edison company, Chicago, Illinois.

Expect Large Crowd To Visit Exhibitions

Force Of More Than 350 Students Work To Complete Preparations For Two-Day Affair

FOUR THOUSAND visitors are expected to attend the second annual Engineers' Show at the Texas Technological college, Friday and Saturday, April 11 and 12. Every piece of machinery and other apparatus will be in shape for the show when doors of the three engineering buildings are thrown open to the public Friday evening at seven o'clock.

Haynie Spencer, manager, and Cary H. Lodol, assistant manager, have a force of 350 to 400 students working under them that will handle everything from the showing of the machinery and equipment to the parking of cars for the convenience of the visitors to the show.

Engineers Show Supremacy In All Athletic Events

Recent Triumph In Track Meet Completes Unbroken Record of Victory For Present Season

With the capture of the intramural track title last week, the Engineers gained supremacy in all three of the major intra-school competitions for the year. This dominance in intramural sports is a continuation of a record early set and maintained by the athletes of the school of engineering.

The first event on the athletic calendar for intramurals was the basketball tournament played shortly before Christmas. Coached by Whitman Matheny, the Engineers disposed of the Aggie and Liberal Arts contestants in short order.

After the first week of the winter term the boys from the north end began training under Captain Rhodes Ingerton and laid plans for their attack on their foes.

Calendar

- THURSDAY, APRIL 10: Math department, 7:30. Student council, room 209, 7. Pre-Med club, Chemistry auditorium, 7:30. Bib Spring club, room 207, 7:30. Glogging club, room 305, 7-8. College club, Hotel Lubbock, 7-8. FRIDAY, APRIL 11: Pi Gamma Mu, room 214, 8. Capa y Espada, room 312, 7-8. All-College dance, gymnasium, 9-12. SATURDAY, APRIL 12: Aggie dance, gymnasium, 9-12. MONDAY, APRIL 14: Chamber of commerce, Engineering auditorium, 7:30. Forum, room 102, 7. Las Pateras, room 302, 4. Y. W. C. A. council, room 311, 5. Geological society, room CD, 7. TUESDAY, APRIL 15: Furt Worth club, room 214, 7:30. Dramatic club, room 202, 7:30. Frangiers, Bosque Apt., 7:30. Thebanian club, room 202, 4. Men's Glee club, room 310, 4. Y. M. C. A., Freshman council, room 312, 6:30. Y. M. C. A., room 312, 7:30. Freshman Girls' council, room 203, 5. Religious council, room 314, 5. Scoury County club, room 314, 7:30. WEDNESDAY, APRIL 16: Aggie club, Stock Judging Pavilion. Pre-Law club, room 217, 7:30. Choral club, room 302, 7:30. W. A. A., room 305, 7:30. Press club, room 221, 7:30. Reserve Officers' club, room 218, 7:30.

The Toreador

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An Age for Men Who

By WALTER BURNS and F. M. COKER

TODAY is the age of specialization. Like the days of the stage coach, flint and steel rifle and pony express, the day of the jack-of-all-trades is gone. The world needs technically trained men. For the man who does not specialize, the future is dim. We may note that those men who have attained success in recent years have been technical in their line of work. Doctors cannot hang up a shingle and treat everything from a sore toe to Jake paralysis. Lawyers cannot defend all manner of cases from dice shooting to scandals like the Teapot Dome and be successful. The agriculturist cannot advise on production of all kinds of crops and livestock. The engineers cannot build highways, transmission lines, dams, construct sky scrapers and cotton mills. Man must select one branch of his chosen profession and master it to be a success.

If a man must be a peasant, peddler or what-not, he should aim to be the best in town. The agriculturist should wield his shovel and field it well. Home economics students should at least be able to sock one thing without burning it. Some of our illy-fingered liberal arts friends, well, really there is no suggestion. Their case is hopeless.

Let this be a reminder that the future lies in your hands. Learn what the trained technician knows, profit by his mistakes, and make the scientific world grow as it has in the last decade, and the future will be yours.

Does Scholarship Pay

By DEAN W. H. MILLER

AT TIMES the theory has been advanced that a student who foregoes certain social and extracurricular activities to spend sufficient time on his studies to make grades of A and B is making a mistake as far as his success in after life is concerned.

In matters of this type it is very important that facts be separated from opinion. The proponents of the above theory often know of isolated cases with which they attempt to substantiate their opinions but until recently no very reliable information has been made available on this subject.

In 1928 the American Telephone and Telegraph company, employing about 14,000 college graduates, undertook to analyze the records of some 4,000 of the most representative of these employees for the purpose of learning what relation existed between their success in their employment and their collegiate records. This company is probably the largest single employer of college graduates and their study of this question should yield the most accurate results for the average case.

Among the results of this investigation it was found that those who had finished in the first third of their class were, after 30 years, earning 20 percent more salary

than the average of the group studied; while those in the lowest third of their class had salaries 20 percent less than the average of the group.

With the regard to extra-curricular activities it was found that the graduate who had substantial achievement in this phase of college life appeared to have some advantage over those who had little or none. However, scholarship appears to have shown about twice the advantage as extra-curricular activities in the subsequent success of the student with the Bell systems.

In the face of the results of this very authoritative investigation, it appears that a student should give a little thought to how he is spending his time in college if he wishes to attain the greatest possible success in his later life.

The Student Union

THE decision of the senior class to make its annual gift to the college this year in the form of a meal-egg for the raising of a fund with which to construct Student Union building is the most forward step that has been taken by members of the student body as such since the beginning of Tech. That statement is not made baldly; it is a fact.

The proposed step is not one to be taken and then forgot. It calls for further concentrated action for at least two more years and after that time may well hope to blossom into a fruitfulness that will benefit all future generations.

The step is not merely the result of work after which the class may rest on its laurels. It at once calls for more and more work. But how worthwhile and how challenging it all is!

Joint action of the senior class with the rest of the student body in raising the \$100,000 for the construction of such a building will be the first major project on which the student body were put to such a test, and its members cannot afford to fall in carrying out the work to a successful culmination.

The officers and leaders of the senior class are indeed to be congratulated on their vision and faith, and the entire student body is to be enjoined to unite at once in working toward the achievement of the goal.

Engineers to Give Visitors Souvenirs

Special souvenirs of unique design will be presented all visitors at the Engineering show opening tomorrow night at the Engineering building. Members of the department of mechanical engineering will make these souvenirs while the show is in progress, manufacture

of them.

Stone states that the club is very anxious to lay plans for an active part in promoting school spirit here next week.

by small production being used to enable patrons to see the entire process.

The work is being done under the supervision of J. O. Hardgrave, instructor in Mechanical Engineering and superintendent of shops.

Los Gauchos Have Business Meeting

Discussion of plans for next year and consideration of several proposed new members will be the main business of Los Gauchos in their meeting tonight in room 214 at 7:30 o'clock. Frank Stone, president of the organization, also announces that the club pins have arrived and are ready for distribution.

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Cawthon Initiates Rigid Football Training

Large Group Reports For Work Each Afternoon

By CHARLEY WOOLDRIDGE

Spring training is now well under way with the reporting of approximately eighty candidates to Coach Pete Cawthon every afternoon to go through the spring training drills. The barking of signals, the grunts of blockers, the thud of the pig skin—all remind us that a spirit of greater football exists in Tech. Never before has such great enthusiasm prevailed in the Matador camp, and all men are anxious, all men are willing, which goes to show that Tech has heartily accepted Coach Cawthon and his system of coaching.

The training routine for the spring camp includes the teaching of the fundamentals of football, along with plenty of hard work, calisthenics, running, passing, punting, blocking, and drills on the new formations that will be used by the Matadors next fall.

Coach Cawthon is greatly handicapped by the fact that a number of the old letter men are unable to take part in the spring training, having to work the greater part of the afternoon. However, there is an abundance of material on hand, and many good men will be picked from the squad of candidates now working.

One has only to become acquainted with Coach Cawthon to realize how fortunate we are to get a man of his type, a man that is already admired and highly respected by all of the football men and one that possesses such a determination to build a great reputation for the college, for the team, and for himself.

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Student Describes Value of Textile Industry in Meeting Needs of South

(EDITOR'S NOTE: The following article contributed by a student in the department of textile engineering for this special edition of The Toreador sets forth some of the special features of his work.)

By WINFRED WARDELL
The story of the building of Texas Tech and of the textile engineering department is a quite interesting one. Mr. John W. Carpenter, of the Texas Power and Light company, foresaw the need of a Texas school of textiles to prepare Texas men to carry on an industry which is making rapid progress in the South, especially in Texas.

And is not Mr. Carpenter right? If Texas can grow the major part of the cotton and contribute to the other major textiles why should not Texas men turn out the finished product?

Importance of Textiles
The textiles rank second only to food. Food, clothing, and shelter have always been the principal necessities in the life of civilized men and will continue to be so. Without the right selection of food the body is inefficient, but people of the modern age are inclined to be more particular about their wearing apparel. Even the college student is prone to neglect the balance ration and spend the difference on a new suit of clothes, dress, hat shoes, or whatnot.

The manufacture of textiles ranks among the leading basic industries in the United States. According to the latest census of manufactures, over 80,000 persons are provided employment by the textile industry. Thousands of others derive livelihood from textiles in some stage of growth and distribution.

Huge Investment
The estimated capital investment in the cotton industry alone is over two billion dollars, and the value of the annual output is approximately the same.

About one-third of cotton manufactured in the United States is sold as piece goods, about 30 percent is taken in the manufacture of automobiles, shoes, tires, furniture, etc., and the remainder is put into ready-made wearing apparel. Textiles play a leading role in the theatre, thousands of yards being used for decorations, costumes, and scenery.

"The cotton industry apparently is entering upon an era of self-analysis and aggressive effort to help itself, which promises to become felt in every section of the country, and directly or indirectly in the life of every individual," states the Houston Post Dispatch.

Wide Choice
A young engineer who enters the textile industry has a wide range of fields from which to make his choice. He either goes into the government work, takes a position with some company, or goes into a business of his own.

The government offers a won-

derful opportunity to the man who has prepared himself, and a position with the government means a lifetime position with ready advancement for the man who puts his life into the work. A few of the positions offered by the government are: textile technologist, textile chemist, cotton grader and classifier, and bobbin analyzer.

The positions offered by the major companies are limited and it would be unwise to try to mention all of them. A few are: superintendents of mills, managers of plants, chemists in the laboratories, testing materials, fabric designers, designers of textile machinery, salesman, representatives of insurance companies, electricians, and cotton purchasers.

If the young engineer has capital or means of getting a business of his own awaits him, and Texas has ample room for textile industries.

Make Tests on Cotton Damage

A test is being made by textile students on both hand-picked and machine-picked cotton donated by the John Deere Implement company to determine whether or not the machine picking damages the staple of the cotton.

Waste loss on the hand-picked was found to be 13.6 per cent, and on the machine picked was 14.8 per cent. The test has not been completed.

Tests are also being made on Arizona irrigated cotton picked by machines of two different types of needles to determine the effect of mechanical picking on irrigated cotton.

Further announcement will be made when the tests are completed.

Make Tests with Transmission Line

Tests identical to those possible with a transmission line 220 miles long are conducted with a miniature telephone line constructed and operated by the members of the department of electrical engineering. The apparatus is really very simple and unimpressive; yet it is possible to utilize it in very detailed and complicated experiments. The line presents the same resistance and the same difficulties as a high line.

Divisions may be made into 15 mile sections and into multiples of that length, and cuts are made at each 10 mile section for measuring voltage, current, volt-ampere at-tenuation, or line impedance changes from volt current ratio.

The entire apparatus is mounted on a table only about 16 feet long against a backboard only a few feet high. It will be on display at the engineering show.

Fay Foote Chosen Officer In Press Club At Meeting

Tech Credited With Sending Largest Delegation To Fort Worth Congress Of Journalists

Fay Foote, Tech junior who is associate editor of the Toreador and Tech reporter for the Lubbock Morning Avalanche, was elected secretary of the Southwestern Students Press club at the Journalism congress which was held in Fort Worth last Friday and Saturday. Other officers elected for the ensuing year are: Kenneth Fink, University of Texas, president, and Miss Mary Livingston of Trinity university, vice-president. The Southwestern Journalism congress and the Southwestern Students Press club will again hold a joint meeting next year at Texas university.

For two days journalism teachers and students from Texas, Oklahoma and Louisiana heard in the T. C. U. auditorium such prominent newspapermen as Marcellus E. Foster, editor of the Houston Press, Walter M. Harrison, managing editor of the Daily Oklahoman and Oklahoma City Times, Fred Dye, of the associated press, and Miss Helen Zene Wortman. Saturday night the delegates were entertained with a banquet in the T. C. U. cafeteria with Amos G. Carter acting as toastmaster.

Work In Textiles Attracts Visitors

About 50 prominent business

Tech Students Use Special Typewriters

Many of the Tech faculty and students use Royal Portable Typewriters with keyboards specially designed for technical work—a-t no extra cost. These Royal Portables have such special keys as the plus, minus, equality, perpendicular numerals for writing chemical formulas.

These technical features of the Royal Portable are available in addition to the regular features of unsurpassing speed, ease, beauty and durability that make the Royal Portable the leading portable typewriter of the day.

Let us show you these superior features which are found only in the Royal Portable for sixty dollars complete with carrying case. Easy monthly payments may be arranged if desired.

TYPEWRITER SALES COMPANY
"Next Door to Western Union"
1008 Thirteenth Phone 78

men of Dallas visited the Textile department last week. These men were greatly interested in work being done by this department and were reluctant to leave the building.

They were especially interested in what the young men graduating from the textile engineering department planned to do.

Will Give Visitors Souvenir Programs

Souvenir programs, which will include brief descriptions of all branches of the engineering school, photos of the main laboratories, and an outline for the show, will be presented to engineering show visitors by the engineering drawing department.

To Hold Mormon Service Sunday

Dr. Ellsworth and Brother To Lead Program Designed to Commemorate Founding of Church

In celebration of the centennial anniversary of the organization of the Church of Jesus Christ of the Latter Day Saints, a service will be conducted at 4 o'clock in the Chemistry auditorium on the campus Sunday afternoon. Dr. J. O. Ellsworth, head of the department of agricultural economics, and his brother, Heber Ellsworth, will be in charge of the program. The service will explain something of

the origin and present status, economically and sociologically, of the church. It will also explain what the Book of the Mormons is. It is understood that the book has a unique place in literature, being the only book in existence that claims to be a history of ancient America. It with the Bible and two other volumes constitute the Scriptures of the Mormons.

During this week some 50,000 visitors are gathered in Salt Lake City, Utah, to celebrate the centennial anniversary. A great pageant is performed daily, depicting the history of the religious organization.

Engineering Body Revises Document

Important changes in the constitution of the Engineering society, including provisions for associate membership and making a substitution for the official badge of the organization, were adopted at the meeting of the Engineering society Monday night. Under the revised constitution all faculty members and all graduates may

Chamber of Commerce Thursday night in room 209. Songs submitted in the contest sponsored by the organization early in the school year will be played for the group on various instruments. The best school song will be selected by the group, and submitted to the student body for ratification.

become associate members of the society. The badge was changed from the blue shirt and yellow tie to the society pin.

Winfred Wardell, formerly vice president, has now been automatically promoted to the position of president with the absence of R. J. Candler, former president, for the spring term.

John A. Davis was elected secretary and F. M. Coker was elected treasurer for the year '30-'31. Plans for the engineering picnic this term were also discussed at the meeting.

The Windsor chair often used by George Washington when he visited in 1775 at the Col. Moses Woodward home, Portsmouth, N. H., has been presented to the Wisconsin State Historical Museum.



NEW WORLDS CONQUERED THROUGH ENGINEERING

AMERICA . . . A COUNTRY BUILT ON SCIENTIFIC ENGINEERING PRINCIPLES. THESE PRINCIPLES CARRY OUT THE DEMAND AMERICANS MAKE OF ANY ENTERPRISE . . . SERVICE . . . SERVICE IS THE DEMAND MADE OF US . . . WE ARE TAKING CARE OF THAT DEMAND DAILY IN WEST TEXAS.



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THE FINCHLEY HAT
MODELED FOR YOUNG MEN WHO FAVOUR A HEADPIECE WHICH ABOUNDS IN EXHILARATING ATMOSPHERE. IT LENDS ITSELF GRACEFULLY TO ANY ADJUSTMENT OF THE BRIM OR CROWN MOST LIKELY TO ADD TO ONE'S ATTRACTIVENESS.
SEVEN DOLLARS OTHERS UP TO TWENTY
AGENTS IN THE PRINCIPAL CITIES OF THE UNITED STATES



Duflot To Speak At Pi Gamma Mu

Prominent Sociologist Of Canyon to Talk Friday; Has Recently Completed Further Work In Chicago

Professor J. L. Duflot of West Texas State Teachers' college at Canyon, where he is professor of sociology, will speak before Pi Gamma Mu, social science fraternity, in the Chemistry auditorium at 8 o'clock Friday evening. Mr. Duflot has spoken at Tech upon several occasions and is a great favorite among Tech people. He has just returned from a year of sociological work at the University of Chicago.

The subject of Mr. Duflot's address will be "Modern Tendencies in Sociology." Any one who is interested in hearing him is cordially invited to attend.

A reception honoring the speaker will be given the members of Pi Gamma Mu at five o'clock Friday in the home of Dr. and Mrs. J. C. Granbery.

Engineering Show

(Continued From Page 1)

making free souvenirs, and other interesting exhibits will be found here.

Edd McDonald, student manager, and Dean Wm. J. Miller, head of the electrical engineering department, have their exhibits in shape for the show. A number of interesting electrical demonstrations will be shown to visitors. These include climbing arc, tesla coil, miniature electric magnet, hand power generator, surge battery exhibit, motor exhibit, bucking broncho, oscillograph, electro-plating, tin can motor, street car motor control, synchronization, of two or three phase alternators, synchronous rotary converter, mercury arc rectifier, the floating ring, starting and stopping of an electric motor by speech.

Chemical Experiments
J. B. Calvert of Amarillo, student manager, and Dr. W. T. Read, head of the chemical engineering department, will conduct a number of experiments for the visitors. These experiments and the apparatus that will be available include Calorimeters, spinthariscopes, ovens and furnaces, orsat apparatus, sulphotometer, sodium gun, and oil testing apparatus.

Robt. L. Taylor of Childress, student manager, and G. L. Tuve, head of the department of mechanical engineering, have a number of demonstrations and a great number of pieces of machinery and apparatus to be demonstrated during the show. This apparatus includes Centrifugal pump and whistle, gas engine, automobile engine and dynamometer, flow meter test set, steam engines, steam-turbo-generator, boiler with auxiliaries, condenser equipment and refrigeration plant, pattern shop with wood working machines, machine tool laboratory, casting of

aluminum, heat treating room, and thermite welding.

Cloth Processes
Chas. Woodriddle of Plainview, student manager, and Carl D. Brande, head of the department of textiles engineering, will show the visitors the process of manufacturing cotton into cloth. This department takes the visitors through the textile engineering building where approximately \$200,000.00 worth of textile machinery is used. Included in the demonstrations that the visitors will see will be cotton classing, picking and carding, spinning, knitting, weaving, finishing, testing and dyeing.

Clyde Drake of Memphis, student manager, and Dr. LeRoy T. Patton, head of the department of geological engineering, will have a number of interesting specimens of rock ore and other structures that have been to get a better idea of the mountains of New Mexico, Arizona, California, Colorado and other places.

Invite Visitors
Officials of the school of engineering are extremely anxious to have as many people as possible attend the show. The school is particularly anxious to have engineers, high school students, newspaper editors and business men attend the show to see the equipment and to get a better idea of the manner in which students at the college are being trained for engineering work.

The show will open at 7 o'clock Friday evening, April 11th, and will remain open until 10 o'clock Friday evening. It will open again at 10 o'clock Saturday morning, April 12th, and continue until 9 o'clock Saturday evening.

Track Meet

(Continued From Page One)

Jump. Waters, a sophomore who is looking mighty good, will put the shot and throw the discus. Basil Hill and Hubert Hopper are running the mile and the half mile; Hopper is also running in the relay. In the two-mile run there are two engineers who starred in the intramural. They are Wingo and Perry. Rip Vinzant will run in the relay and the 440 as well as some other dashes. Alma Pace who has been on the reserve squad in past seasons will be seen in the pole vault, low hurdles and high jump.

Fisher Out
A severe blow was dealt the Scarlet when Leon Fisher pulled a muscle in his leg, resulting in an injury that will keep him out of Saturday's meet and possibly the Great Plains meet as well. Fisher starred in the low hurdles, broad jump, relay and 100-yard dash. Little is known of the Teachers' squad, but one can rest assured that the West Texans will be tough, just as they are in all other phases of athletics.

Entrants
Here is a summary list of the possible Tech entrants in the meet Saturday:
High hurdles: Payne, Waller. Low hurdles: F. Woodriddle, Waller, Pace. 100-yard dash: Dallas,

C. Woodriddle, F. Woodriddle, Waller. 220 yard dash: Dallas, F. Woodriddle, C. Woodriddle. 440 yard dash: Dallas, Vinzane, Waller. Two-mile run: Wingo, Perry. One-mile run: Hill, Hopper. Half mile run: Hill, Hopper. Broad jump: F. Woodriddle. High jump: Payne, Pace. Pole vault: Pace. Discus throw: Waters, Payne. Shot put: Waters. Javelin throw: Payne. Relay: possible entrants—Dallas, Waller, Vinzant, Hopper.

Student Union

(Continued From Page One)

according to the plans of the class. Arrangements are being made with the school architects to provide plans as soon as possible so that the whole student body may know the exact nature of the building. The proposed structure is to be built on a site north of the Home Economics building facing south on Broadway. It will be almost south of the present gymnasium.

Plan Large Campaign
The campaign, it is hoped by the class, will be continued throughout the state until sufficient funds are raised to construct the building. A minimum of two years will be necessary to raise the funds, it is estimated.

Picture Shown at A.I.E.E. Meeting

Difficulties in line construction were vividly portrayed in a film brought to the college through the courtesy of the Texas Power and Light company through its representatives in person and shown at the meeting of the local branch of the American Institute of Electrical Engineers at the regular time Wednesday evening, April 2.

The program for the meeting the preceding week included a discussion of developments in the electrical industry for the past 12 months by Walter Burns and a report on the convention of the American Institute of Electrical Engineers at Columbia, Mo., attended by Dean W. J. Miller and W. E. Street. Street gave the report.



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April the 20th IS Dress Up Day

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Will make it possible for every man and young man in Lubbock and the surrounding trade territory to dress up that day by offering hand-tailored—

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See our west window this week. You will find some of the very newest patterns and colors direct from the mills. We have a large and complete stock as you will find in any of the larger cities.

Visit our store this week. Remember Saturday is the last day we can take your order for Easter delivery.

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All popular colors Tan, Blue, White and Grey. This one has long sleeves.

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Buy them and be better fitted in your hose.

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