

MUSIC, MUSIC, MUSIC — That's what this quartet will have on their minds during the KTTC Recordthon beginning Monday. Left to right, disc jockeys Troy Fields, Deanie Killion, Tommy Pelt and Jim Messersmith are pictured looking at a copy of Tommy Dorsey's Opus No. 2, the record to be played in a \$2,500 goal cancer drive on the campus. Students may guess how many times the record will be played during the Recordthon at 30 cents a guess. Winner will receive free movie passes for two for a month. Length of the marathon has not been revealed. (Photo by Harold Creswell)

KTTC To Sponsor Recordthon

A Recordthon staged by Radio Station KTTC will start spinning Monday seeking a goal of \$2,500 for a cancer drive fund. One record will be played continually and the student guessing nearest the correct number of times the record will be played before stopping, will receive a month of free movie passes for two. For each guess, one is asked to contribute 30 cents to the cancer fund. The sorority, fraternity, or campus organization contributing the most money will receive a special-

ly engraved plaque. KTTC disk jockeys to announce during the Recordthon include Tommy Pelt, who will be on the air from 6 p.m. until midnight. Troy Fields will take the control board at that time and emcee until 6 a.m. Deanie Killion and Jim Messersmith will work the day shift. Personalities contributing their time for KTTC public service spots on behalf of the cancer fund are: Harry Belafonte, Benny Goodman, Patti Page, Vaughn Monroe, Lena Horne, Mitch Mil-

ler, Lu Ann Sims, Del Wood, Rose Maddox and Faron Young. As a clue to the contest Messersmith, KTTC publicity manager, stated that the record can be played once in two minutes and 51 seconds. The length of the Recordthon is not being revealed. The record chosen for the drive is Opus No. 2, a favorite of the late Tommy Dorsey. Twelve of these recordings were purchased by KTTC for the Recordthon. Contribution boxes for the drive will be set up in all dorms, the Tech Union, KTTC studio B, the Administration and Engineering buildings.

According to Pelt, KTTC Station manager, this is the largest task ever undertaken by the Tech radio station since its establishment on the campus. The Recordthon will be publicized in every leading newspaper throughout the state.

Texas Tech Band Schedules Concert

Texas Tech's Red Raider Band will present its first spring concert at 2:30 p.m. Sunday in the Band Hall. A group of 84 select musicians will present a program ranging from movements from Beethoven's "Fifth Symphony" to the LeRoy Anderson arrangement of "The Girl I Left Behind." Other numbers on the program are "Fantasy on Four Notes," a new number written especially for wind band by L. W. Chidester; "Three Dances from 'Mill Gwyn,'" by Edward German; the overture, "Roguish Peasant," by Anton Dvorak; and "On the Esplanade," from the Bostonia Suite. Director D. O. Wiley said that while the Band Hall, located in the basement of the Music Building, is small, it is acoustically "a very good place for listening."

Techsans To Be Honored March 17 In College Recognition Services

Municipal Auditorium is the site for Texas Tech's 11th all-college recognition service to take place March 17 at 2 p.m. Recognition will be given students who are outstanding in scholarship, leadership and athletics. For the first time in several years Tech's concert band will play at the ceremonies. Space limitation in prior years has prevented the band's participation. **Four Types of Recognition** To achieve academic recognition a student must have been in the upper three per cent of his class in his school for the 1956 fall or spring semesters. The remaining semester the student must have maintained a 2.25 average. There are four types of academic recognition: individual honors, class honors, divisional honors and college honors. Individual honors go to the student being recognized for the initial time; class honors go to the student receiving recognition for the second year; divisional honors are acquired by the student receiving honors for the third time; college honors are achieved when a student is recognized four years in succession. **Organizations Honored** Those receiving college honors are presented a gold key by Pres. E. N. Jones. Organizations in which two-thirds of the membership made a 2.00 or better average for both the spring and fall semesters will be recognized. Students who ranked highest in their classes will receive special recognition. Students who have maintained a two-semester average of 2.00 while holding a scholarship administered by the college will be honored. **Leadership Requirements** Students chosen by a committee appointed by the Student Council to receive leadership

recognition are selected on the basis of their versatility in student activities, the number of students potentially influenced by their offices and their attitude toward the responsibilities of office. Each honoree must have maintained a 1.00 average during the spring and fall semesters. Athletic recognition is given those students awarded letters during the past calendar year. Students honored by national competition recognition have represented the college in national and international collegiate competition and have won first place.

Registrar Releases Fall Grade Figures

The overall grade average for Tech last semester was 1.24, with 7,604 enrolled for undergraduate work. The women ranked higher, according to J. A. Rushing, supervisor of registration with an average of 1.48, the men having 1.17. Home Economics school led the other schools with an overall average of 1.40. The complete breakdown for the schools was: Aggie school—freshmen, 0.93; sophomore, 1.20; junior, 1.33; senior, 1.61; overall, 1.26. Arts and Science school—freshmen, 1.19; sophomore, 1.38; junior, 1.37; senior, 1.58; overall, 1.34. Business Administration school—freshmen, 1.1; sophomore, 1.30; junior, 1.25; senior, 1.53; overall, 1.25. Engineering school—freshmen, 1.04; sophomore, 1.03; junior, 1.11; senior, 1.43; overall, 1.12. Home Economics school—freshmen, 1.25; sophomore, 1.43; junior, 1.49; and seniors, 1.58; an overall, 1.40.

Tech Architecture Picked For Locale

By MARY ALICE ATCHISON
Foreador Staff Writer

For years students have wondered why Spanish architecture was chosen for Tech's buildings. Tech's original architects thought it to be suitable to the climate and location. Built in 1924, the original part of the Administration building cost around \$435,000. Also built the same year was the Textile building at a cost of approximately \$186,000. "The Textile building is definitely the only one in Texas," says N. E. Barrick, college architect. This building was one of the main reasons that Tech was established. Three army surplus buildings were moved on to the Tech campus after World War II to form the Rec Hall. Seating capacity was about 700-800 people. The Student Union building was built in 1951-52 now serves 8,000 students and cost about half a million dollars. The Chemistry, Library and Science buildings were not built at the same time as one might suppose. In 1929 the Chemistry building was finished then in 1938 the Library was completed. The

Science building, costing around \$967,000 was built in 1950-51. Most of the buildings were built in pairs. Drane and Sneed Halls were built in 1939. Drane cost around \$362,000. The first two dorms to be built were Doak and West. Doak was originally a women's dorm when it was built in 1934 for around \$300,000. Girls may move into Doak in a few years," stated Barrick. The original intention was to build all the women's dorms on the south side of the main entrance to the college and all the men's dorms on the north side. Total cost of the new women's dorm including furnishings and other items will be around \$1,900,000. This dorm will contain more storage space in each room than the older dorms, and will have built-in oak furniture. On each floor there will be an ironing room and the laundry facilities will be in the basement. Cost of the two men's dorms together will be little under \$6 million. Besides a lounge, the men will have a separate recreation room. According to Barrick, the "kitchen layouts are superior" to those in the other dorms and will facilitate "better efficiency and food service."

Twilight Music Hour Offers Unusual Piano Composition

A musical oddity will be presented at the Twilight Music Hour in the Tech Museum Sunday at 4 p.m. Performing in the auditorium of the Museum, Miss Mary Jean van Appledorn, composer and instructor of music at Tech, will play an unusual composition by Alan Horhaness. She will use two kinds of drumsticks to strike the strings of a piano to produce unusual tones hardly recognizable as those of a piano. Neither does the music follow the usual note pattern. Miss van Appledorn will be appearing in the last of a series of four Museum-sponsored musical programs. Sunday's program is entitled "Musical Excursions to Familiar Scenes Back Home" and will feature simple music and contemporary music, some of which has not yet been published. Dr. Gene Hemmle, head of Tech's music department, will serve as commentator. Original compositions by two Tech music students also will be heard. John Gilbert, sophomore from Amarillo, has written two vocal compositions. One, "Always Be My Little Girl," was written for Michele Pijan, the small daughter of Mr. and Mrs. H. J. Pijan of Lubbock.

The other is "A Mother's Requiem" taken from an opera not yet completed by Gilbert. The latter will be sung by Mrs. H. J. Pijan accompanied by the composer. Another Tech student featured on the program will be Kathy Veazey, Lubbock senior. She will play "Tranquil" from "Sonata from Saxophone" by Paul Creston. Miss Veazey will be joined by Gary Garner, band director for J. T. Hutchinson Junior High, to play two selections from "Conversation Pieces" by Junior High, to play two selections from "Conversation Pieces" by Norman Cazden. Other numbers on the program will feature musicians from Lubbock, interpreting pieces by such composers as George Gershwin and Edward MacDowell. Mildred Klein and Mrs. J. B. Joiner originated and coordinated the Musical Excursions series and Mrs. Leon Cavanses is in charge of stage settings. The program is open to the public without charge.

Better News Coverage In The Future?

Have you been complaining about how little news and how much advertisement the Toreador has been using lately?

In a four-page paper many stories must be condensed and many stories left out. This has been partly caused by the fact that the Toreador has been running approximately 70 per cent advertisements in an attempt to stay out of the "red."

However, before you condemn the Toreador staff for being too lazy, let us point out that we like the four-pagers no better than you — even though it means much less work. A growing college like Tech deserves much better news coverage and in order to do this the Toreador must have additional space.

The publications committee has realized that better news coverage is needed and has taken steps to give the Toreador additional space. Effective last week, two eight-page papers and one four-page paper are being published and advertising space has been cut.

If you are discouraged because your organization hasn't received adequate news coverage in the Toreador, we urge you to give us another chance.

We ask that you turn in any information about campus organizations to the Toreador by dialing extension 424, 431, or by coming by the Toreador office on the second floor of the Journalism building.

With this additional space, maybe, if we will all work together, we can give Tech the type of news coverage it deserves.

—Wayne James

TOREADOR

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Graduate Exams Given Tomorrow

By CONNIE HOLT
Toreador Staff Writer

About 110 graduate students will participate in the March Graduate Record Examinations tomorrow.

The Graduate school administers a required aptitude test three times a year to its own students in large groups. This test is one of at least three requirements prerequisite to admission to work in the school for either the Master's or Doctor's degree.

According to Graduate School Dean William B. Gates, the testing program is designed to make sure every enrollee is capable of, and has the foundation for, doing graduate work in this school. Every graduate school in the nation, he adds, shows some method of selectivity, whether in testing or in stiff prerequisites.

Tech began the Graduate Record Examinations, of which the aptitude test is one, in 1953. These examinations are prepared and

Physicist Uses Shadowgram Idea

Remember the old parlor game of shadowgrams? It's played by holding up your hands between a source of light and a white or pastel wall to form shadows.

A Texas Tech scientist is using the shadowgram principle with serious motive. Physicist Preston Gott has incorporated the shadow game idea into experiments in optical research.

Rather than using his hands, Gott uses precise and complicated equipment.

With it, Gott is gathering basic facts about the performance of optical instruments in the atmosphere. The facts may be important in astronomy and ballistics, the science of bullets and missiles.

This is the problem. No optical device is completely accurate. A number of factors can change the form and brightness of an image transmitted through it.

Wind, temperature and humidity are atmospheric conditions which may have an effect on proper image reception.

Gott has developed a shadowgram device which incorporates another old parlor amusement, the stereopticon.

The latter idea has been popularized lately in stereo-cameras and "3-D" movies that give the appearance of depth. The principle involves presenting a separate image of a scene for each eye of a viewer.

This gives the appearance of depth as well as width and height.

Aim of Gott's research is to photograph shadowgrams of lights, using the stereo effect to determine where image distortions occur in the atmosphere — an important step in tracking down and analyzing such distortions.

In the experiments, two identical light sources are aimed at the stereo-shadowgram apparatus from a given distance. A sequence camera records the shadowgrams falling on the lens of a telescope.

The camera makes pictures with light from each of the sources at a rate of 1,800 photos per minute. The sequence shots are transferred to movie film for proper projection.

By viewing the movies, Gott can observe image changes caused by lower atmospheric conditions. By utilizing the stereo effect, he can determine where the distortion-causing factors occurred.

Gott's work is coordinated through Tech's new Office of Research, a central agency for information on research at Tech and elsewhere.

Gott will report details of his experiments Saturday morning in New York City at a national meeting of the Optical Society of America.

Tryouts Scheduled For Student Opera

Jule Odell Foster, instructor of music, has announced tryout dates for a contemporary opera "The Mighty Casey" based on the poem "Casey At The Bat."

The opera, by William Schuman, is to be presented May 6-8 in the Tech Gym in the round with action on the floor and the audience sitting on three sides.

Tryouts will be March 11-12 from 5 to 6 p.m. in room 267 in the Music building. There will be tryouts for the solo roles and for speaking and modern dancing parts.

An entire baseball team of nine is needed and Foster desires a fraternity or organization to fill the roles. The chorus will be done by Tau Beta Sigma, Phi Mu Alpha Symbionia and Mu Pi Epsilon. Kappa Kappa Psi will furnish a marching band as a part of the cast. This is a part of the annual symposium of contemporary music.

scored by the Educational Testing Service of Princeton, N. J.

The ETS directs a "National Program for Graduate School Selection," administering its tests at many centers throughout the United States and many foreign countries four times a year. The Tech Testing and Counseling Service handles the ETS "National Program" in Lubbock.

The ETS "Institutional Program" is under the administration of the Graduate School on Tech campus, and tests are offered under it three times a year. The dates of both programs are so designed that any enrollee has seven opportunities a year to take the examinations.

With the increase in the number of Texas graduate schools requiring the aptitude test and the consequent increase in opportunities for applicants in this area to take it in the National Program, the College contemplates the ultimate withdrawal of the Institutional Program, leaving all administration of the required Aptitude Test to the ETS through its National Program.

BSO Group Studies Recommendations

Recommendations made by the problem study groups at the BSO Leadership Retreat last weekend will be considered by the BSO executive Council Tuesday noon in the Union.

The complete Board of Student Organizations will meet Tuesday noon, March 19 in the Union, R. V. (Bob) Miller announced.

The agenda of that meeting will include: presentation of the Saddle Tramp Circle by Wayne Gibbons, leadership retreat report, constitutional amendments and election of next year's officers.

Each organization president is a member of the Board and has been sent a letter of invitation for this meeting. The Executive Council is especially interested that each representative be present so that they may have a voice in the rules for organizations and election of BSO officers.

British Educator

To Address Faculty

Prof. Christopher Morris, British historian-educator from Cambridge University, will speak to Tech faculty members at 7:30 p.m. in the Union Ballroom.

Morris will speak on "The English Idea of University Education." He spoke to Tech students earlier today. Morris is in this country on sabbatical leave, doing research under the auspices of the Rockefeller Foundation.

Mrs. Morris, an authority on Elizabethan literature, will speak to members of the Lubbock chapter of the American Association of University Women at 2 p.m. tomorrow. The subject will be Shakespeare Stagecraft.

A reception is planned for Prof. and Mrs. Morris Saturday evening at the home of Miss Margaret Weeks and Miss Mabel Ervin, ex-faculty members of Tech. The Morris' will be guests at their home while in Lubbock.

Art Is On Display

Being featured now in the rotunda gallery of the Museum are paintings and sculpture by David and Patricia Cargill of Beaumont. The couple gave a program under sponsorship of the Junior League of Lubbock to launch the exhibition, which will be open to the public through March 21.

Included in the display are sculptures and paintings designed by the couple and executed in their Beaumont studio, demonstrating techniques gained in American and European studies.

LITTLE MAN ON CAMPUS

by Dick Bibler



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Zeta Week Affairs Include Initiation And Breakfast

Initiation of 17 members into Zeta Tau Alpha sorority in services today and tomorrow highlights Zeta Week. At the conclusion of initiation tomorrow night, the best pledge will be announced during a coffee at the First Methodist Church, given by sorority patronesses for the members. A White Violet breakfast is planned Sunday morning at Waldens, in honor of the new initiates. During the affair, a scholarship award will be given the pledge with the highest grade

point average. New members of the sorority are: Boo Brown, Mary Frank Garrett, Perry Thompson, Carolyn Young, Pat Kennedy, Mary Lou Patterson, Kathy Cain, Madelyn Tongate, Jeanette Gross, Janie Sproles, Jackie Till, Pat Copeland, Rosemary Stinnett, Marilyn Morris, Nan Kelly, Mary Ann Lancon, and Patsy Green. Other activities of Zeta Week included a candle light service, a kidnap breakfast at Klapp Party House, a paddle party and a dinner at Underwood's.

First Mixer Held By Tau Delta Tau

Tau Delta Tau Fraternity's first mixer is scheduled at 7 Sunday night with members of Kappa Kappa Gamma sorority.

The group will meet at 6:45 p.m. in the game room of Horn Hall and drive to Mackenzie Park terrace from there.

Social chairman Don Hunter said music will be furnished by records, and skits will be presented by members and pledges of the fraternity.

Alpha Phi Elects 1957-58 Officers

Members of Alpha sorority, in a recent election, named Hazel Casey as president for the 1957-58 session.

Other newly elected officers of the organization include Margaret Jackson, pledge trainer; Karen Noteware, scholastic chairman; Pat Grimes, treasurer; Mandy Moore, activities chairman; Diana Smith, standards chairman; Nancy Jones, rush secretary; Jane Horne, corresponding secretary; Sharon Dudley, recording secretary; Ann Leverich, efficiency chairman; Diana Smith, rush chairman; Mildred Thompson, quarterly correspondent; Jan Farris, Junior Panhellenic representative; Carolyn Miller, publicity chairman, and Helene Edwards, chaplain.

Officer Retreats Set

Old and new officers of Delta Gamma and Sigma Kappa sororities will meet in leadership retreats over the weekend.

Alpha Kappa executive council members and alumnae advisory board will meet at noon tomorrow for a luncheon in the Wedgewood Room of the Plainsman Hotel. The group will hear reports on the sorority's activities during the past year and plans for next year.

Leaders of Delta Gamma are to participate in conferences from 2 to 6 p.m. in the Union Sunday. Alumnae advisors will join in the talks, which are held to orientate new officers.

Annual Pansy Tea Honors Students

Senior women are to be honored at the second annual Pansy Tea and style show, sponsored by Delta Delta Delta sorority, at 3:30 p.m. Sunday in the Union Ballroom.

Special attention is to be given to engaged senior women, who will be invited to step through a traditional ring of pansies and announce their engagements.

The style show will feature three types of wedding gowns and trousseau, in varied price ranges, from Margaret's.

All women on campus are welcome at the affair.



Week's Activities Planned By Union

Raider Review's talent show at 5 p.m. Sunday in the Union leads off the week's Union schedule.

A Monterey High School combo, the Ad Libs, will start the show. Also featured on the program are the Sexless Seven Minus Two, led by Pat Boles, and singer Martha Mack.

Bunny Watson, special events committee chairman, announced that a new stage has been brought into the Union especially for Raider Review shows.

The weekly movie, shown at 7 p.m. Monday in the Union ballroom, is "Broken Arrow".

Another movie, featuring views of the countries of Europe, is to be presented at 8 p.m. Tuesday in the ballroom to Traveler's Club.

The film, taken by Dub Holt while he was stationed with the Army near Frankfurt, Germany, includes pictures of Portugal, France, Switzerland, Italy, Austria, Germany, Belgium, England and Scotland.

Holt will narrate the film. Also set for Tuesday is a 7 p.m. record dance in the Union snack bar, with everyone invited.

Thursday events include the weekly square dance in the ballroom, and the special charm course for women students, to be held in the lounge of the ballroom.

Spring and Summer GRADUATES

Our positions are for young men who want responsibility in technical line supervision and management, engineering and scientific staff duties, research and development, and technical sales.

If you are looking for a comfortable, indoor job with completely regular hours, forty hours a week, and entirely pleasant working conditions don't bother to read further.

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WANT TO KNOW MORE? Our representatives will visit Texas Technological College on Thursday and Friday, March 14 and 15. Appointments for interviews on these dates may be made in advance at the Office of the Placement Service.

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Texas Tech Netters Begin Play Saturday

Texas Tech's Red Raider netters will open their 1957 season Saturday afternoon when they meet East Texas State. The matches will be played on the Wichita Falls High School courts, which will be a neutral site.

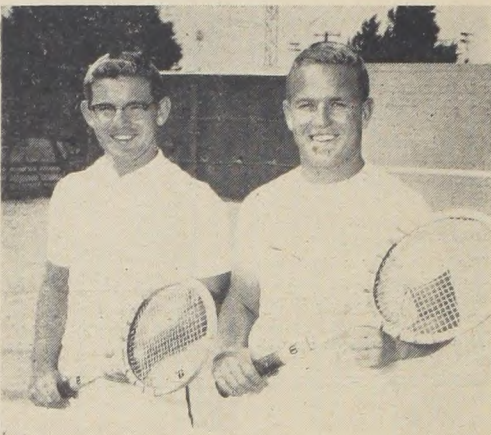
Coach George Philbrick has assigned No. 1 singles to Billy Edd Gowan. It will be sort of a homecoming for Gowan, since he is a graduate of Wichita Falls. In No. 1 doubles, Gowan will team with David Kent of Amarillo. Last year as sophomores, the duo won the Border Conference doubles championship.

The doubles finals in the BC meet last spring was a "celebration win," as the match began soon after the announcement of Tech's admittance to the SWC reached the tense athletes as they were warming up for their final match. Tech took second place in the Border meet, finishing behind champion Arizona.

Other netters scheduled to see action Saturday include: Johnny Kniffen of Clyde, Dick Spiers of Kermit and Scott Cantine of Amarillo.

The schedule for Tech's tennis team hasn't been completed as yet, but matches have already been booked with North Texas State at Denton, Mar. 21; Texas Christian at Fort Worth, Mar. 22; Southern Methodist at Dallas, Mar. 23; Baylor at Waco, April 15; Texas A&M at College Station, April 16; University of Colorado here April 19; and Abilene Christian here, April 30.

A match will probably be scheduled with the University of Texas and a home and home series with Hardin-Simmons University, plus a return match with ACC, if dates can be arranged.



DOUBLES CHAMPS — Billy Ed Gowan, left, will be on his "old stomping grounds" tomorrow when Tech's netters meet the ETS team at Wichita Falls. Gowan and David Kent, right, of Amarillo, won the doubles championship of the Border Conference in Tech's last year of competition in the BC. They will team up again in the No. 1 spot for Tech against East Texas.

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Baseballers Take On SWC 'Nines'

Tech's baseballers, with their first winning season since the sport was resumed in 1954 behind them, will embark on their season's schedule Monday at College Station, taking on the Texas A&M College Aggies.

Coach Beattie Feathers' squad will then journey to Houston on Tuesday to do battle with the Rice Owls. A three-year letterman, second-baseman George Demere, will be lost to the team for about three weeks, due to a broken wrist.

Tech's travelling squad will include pitchers Gerald Beck of Lubbock, Leo Chase of Amarillo, Terry Franks of Sweetwater, Don Matticks of Lubbock, and Houston Powell of Azle; first baseman Walter Bingham of Midland, second basemen Sonny Donelson of Stratford and Dave Allen of Lubbock, third baseman David Potter of Tyler, third baseman and shortstop Edwin Robertson of Breckenridge, shortstop Monroe Henderson of Jacksboro, catcher Cullen Hunt of Abilene, and outfielders Gehrig Garrison of Lubbock, Norman Huggins of Plainview, and Darrell Summers of Borger.



James B. Walker received his B.S. in mechanical engineering from North Carolina State College in June, 1954, and was working toward his M.S. in the same field when he was called for military service.

Jim Walker asks:

Can a mechanical engineer make real progress in a chemical firm?



"Pick" Pickering answers:

You might call that a leading question, Jim, but the answer leads right into my bailiwick. I came to Du Pont in 1940, after taking a combined mechanical and electrical engineering course. So I had what you might call a double reason for wondering about my future with a chemical firm.

I soon learned that the success of a large-scale chemical process hinges importantly on mechanical equipment. And the success of this equipment—especially for a new process—depends on (1) Research, (2) Development, (3) Plant Engineering, and (4) Close Supervision. The net result is that a mechanical engineer at Du Pont can progress along any one of these four broad highways to a top-level position.

My own Du Pont experience includes mechanical engineering work in fields as varied as atomic energy, fabrics and finishes, and nylon manufacture. Every one of these brought with it a new set of challenging problems in construction, instrumentation and power supply. And every one provided the sort of opportunities a man gets in a pioneering industry.

So, to answer your question, Jim, a mechanical engineer certainly has plenty of chances to get somewhere with a chemical company like Du Pont.

H. M. Pickering, Jr., received a B.S. in M.E. and E.E. from the University of Minnesota in 1940. He gained valuable technical experience at Hanford Works, in Richland, Wash., and in Du Pont's Fabrics and Finishes Plant at Parlin, N. J. Today, he is Assistant Plant Manager at Du Pont's Seaford, Del., plant, where nylon is made.



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