

the Toreador

Vol. XXVII Texas Technological College, Lubbock, Tuesday, January 8, 1952 No. 1



SETTING ONE UP—Bobby Cavazos, halfback, romps over tackle for 10 yards on the second play of the game. On the next play, Jim Turner broke through the middle and raced 39 yards for the initial tally in Tech's 25 to 14 Sun Bowl win over College of the Pacific. (Photo by John Lee)

Raiders Rip COP; Revise Bowl History With Post Season Win

By JIMMIE HENLEY, *Toreador Sports Ed.*
Texas Tech's Red Raiders crowned a very successful football season with their first post-season victory in 14 years last Tuesday by beating College of Pacific 25 to 14 in the Sun Bowl.

The already successful Raiders dumped an extra honor on their coach DeWitt Weaver, in downing the Tigers in the sixth bowl game for Tech. It was the Raider's fourth game in El Paso's 17-year-old Sun Bowl.

Raiders Make Gain

It took the Raiders just three plays to march 63 yards for a touchdown after the opening kickoff when the Tigers elected to kick an extra point the slight west wind advantage.

Jim Turner ripped off tackle for 14 yards as he introduced the guest team to the split-T. Bob Cavazos followed with a 10-yard gain off left tackle and then Turner galloped 39 yards for the initial score aided by a block by tackle Hollice Davis.

Later in the period COP tied it up as Eddie Macon, Tom McCormick and Eddie Myers combined to carry the ball on a 82-yard sustained march to paydirt. Myers scored the counter.

Graves Returns Kickoff

Frank Graves opened the next Raider scoring march by a 35-yard kickoff return to his own 45. Junior Arterburn, Turner and Jerry Johnson shared in advancing the ball to the COP 20, where Johnson passed to Lewis Crossley for the second Raider TD.

Marland started the next Raider march by recovering a COP fumble on the Tech 49. Graves and Sandy Welton advanced the ball to the five, where Arterburn handed off to Cavazos, then took a return lateral on the three and carried over for the count.

Cobb Scores For COP

Late in the second period Johnny Cobb dived over his right tackle for the final COP touchdown after Art Liebsher, McCormick and Doug Seovil had helped him advance the ball to within inches of the double-stripe.

The final Raider count came late

in the third period with Welton going around his right end from 11 yards out.

Four COP fumbles, recovered for Tech and a pair of pass interceptions by John Thompson kept the Tigers from scoring again.

Just as important to the Raiders as the first bowl win was the pointing up of great prospects for the 1952 season. Freshmen, sophomores and juniors impressed spectators with their activities of the day.

Yearbook Editor Pleads For Help

"If we are to have any chance at all to get La Ventana out on time, we must have volunteer help from the student body at once," said Dick Brooks, editor.

Slow delivery of class pictures is the cause of the delay, according to Brooks. The staff expects to begin work on the class section this week, but it will probably be submitted to the publisher two months behind schedule.

"In other sections we're ahead of schedule, but the trouble is that classes and clubs comprise more than three-fifths of the annual," Brooks said. He hopes to have the club pictures by the end of this month.

"He can use 20 students at a time every afternoon from now until dead week."

"Anyone who is interested will be welcomed with open arms in room 205 of the Journalism building. No one will be turned away," Brooks said.

Jones To Suggest Guides To Voters In Address For Lions Club Luncheon

Dr. E. N. Jones, Tech vice-president, will speak at the Lions club luncheon today at the Hilton hotel.

The subject of his speech is "Suggested Guides for the Citizens in an Election Year."

Johnson At Best

Johnson did his best job of quarterbacking for the season as he substituted for Arterburn after the senior signal caller was injured.

Ray Howard, Punk Whitaker, Ken Elmore and Bob Hunt, all freshmen, showed outstanding play in the line.

But, the players who were seeing their last action with Tech will be missed. They are Jerrell Price, Red Phillips, Junior Arterburn, Jack Cockburn, John Paul Jones, Frank Graves, Bill O'Grady and Bobby Close.

Ticket Sales Open For 'Stage Door'

Tickets go on sale tomorrow for the speech department production, "Stage Door," which will run Monday through Jan. 19 in the Studio theater in the Speech building.

Students will not be admitted to this play on presentation of student activity books. However, due to the removal of the recreation tax, student tickets will be sold for only 50 cents. Adult tickets will be \$1.00.

Admission will be by reservation only. Ticket reservations may be made by going to the Speech office or calling extension 356.

Featured parts in the Edna Ferber and George S. Kauman comedy will be taken by Harriet Henderson, Warren Forsythe, Gerald Wayne Tippitt, Jo Simmons, Pat Edwards and Jack McCabe. The 29-member cast will also present a great number of new faces to the theater-goers.

WEAVER IN CINCINNATI

Athletic director and head football coach DeWitt Weaver is in Cincinnati attending the annual winter meeting of the National Collegiate Athletic Association. With him is Bill Holmes, sports news director.

Firkusny To Appear In Concert Tonight

Rudolf Firkusny, who will appear at 8 p.m. tonight in Lubbock high school auditorium as the second Artist Coupe program of the season, made his first appearance as concert pianist at the age of ten with the Philharmonic orchestra in Prague.

Since that time he has played in Europe, South and Central America and the United States. He has made solo appearances with all the major orchestras in Europe and most of the outstanding musical groups in America.

While touring Austria in 1939, Firkusny ran into German troops, fled to Switzerland and eventually made his way into France. He remained in Paris until the fall of that city, then moved on to Portu-

gal, where he gave concerts while awaiting transportation to America. It was 1941 before the pianist got to this country and was reintroduced to American audiences.

Firkusny has presented many contemporary works of his Czechoslovakian countrymen in his tours, including little-known works of Smetana, Dvorak and Martinu.

Students will be admitted to the concert on their activity tickets. Adult admission is \$1.50.

★ ★ ★ ★



Rudolf Firkusny

Winter Begins Vicious Circle

Winter's wrath, having descended on unsuspecting Techsians last week, left in its icy wake cold noses, muddy loafers and bruised posteriors.

The Infirmary's business improved considerably during the Eskimo days, according to Mrs. I. J. Norman, supervisor. Around a dozen minor injuries were treated, she said.

However, Tech's "friendly" spirit got a boost from the weather, since many coeds enlisted the aid of strange men in maneuvering around the campus.

Now that the ice has turned to mud, most students welcome the change, but this new "cause for complaint" has presented itself. The vicious circle continues.

Helen Traubel, Met Artist, To Sing In Famed Tech Gym

Helen Traubel, dramatic soprano, will appear in a concert Feb. 18 in the Gymnasium, announced Dr. Gene Hemmle, director of the Tech Artist's course.

Miss Traubel was forced to cancel an earlier appearance in Lubbock because of illness.

Dean Stangel Is Named 'Man Of Year' In Texas Agriculture By Farm Journal

W. L. Stangel, dean of agriculture at Tech, has been named 1951 "Man of the Year" in Texas agriculture in the January edition of Progressive Farmer, a southern farm publication.

The honor was bestowed on the dean for his 35 years of service to Texas agriculture and livestock development. Most of the dean's service which brought him the honor has been at Tech since he came here in 1925 as head of the animal husbandry department.

During his term at Tech, Stangel has served as president of the Texas Holstein-Friesian association, president of the Texas Agricultural Workers, director of the Texas Aberdeen-Angus association, vice-president of West Texas Aberdeen-Angus association and on many other farm organizations.

He is also current livestock superintendent of the State Fair of Texas, superintendent of the fat steer department of the Southwestern Exposition and Fat Stock show and superintendent of the Aberdeen-Angus department of the San Antonio exposition.

"Under Stangel's leadership, Tech has developed some of the best balanced herds in the state; and in addition the farm program at the college has steadily grown and served as an invaluable source

of information to persons interested in the various phases of agriculture," the Progressive Farmer pointed out.

HE Scholarship To Be Awarded

The Borden Home Economics scholarship award will be made at 7:15 p.m. tonight during a meeting of home economics majors at the HE building.

The \$300 award will be made to the student achieving the highest average grade among home economic students for all college work preceding the senior year. It includes only those completing two or more courses in foods and nutrition.

A film on careers in home economics will be shown following the presentation.

The meeting will adjourn in time for the Artists Course program.

VEEP TO SPEAK TONIGHT

Dr. E. N. Jones, Tech vice-president, will speak to the Horizon Club Campfire Girls at 7 p.m. tonight.

His topic will be "The Accomplished Girl."

Council Members Plan TISA Meet

Student council representatives met Saturday with delegates from Abilene Christian college and Hardin-Simmons university to make plans for the Texas Intercollegiate Student association convention, tentatively set for Feb. 23 at Tech.

Bob Davidson from ACC, TISA district number 1 chairman school, served as master of ceremonies for the luncheon and the business meeting immediately following.

"Opportunities of College Life" was chosen for the theme of the convention.

One, Two, Three—Ugh . . .

One, two, three—ugh! One, two, three—ugh!
No, this is not a dance of wild savages, nor is it a group of men taking calisthenics. It's Texas Tech students trying to squirm into their chairs.

Several of Tech's classrooms have rows of chairs connected by backboards. These backboards have long been the scourge of the students. It's true they keep the chairs in a neat row, but only about 18 inches is allowed between the arms of the adjoining chairs.

It's through this small opening that the student is forced to wiggle into his seat. As a result, there is often a frantic waving of arms and gymnastics which resemble an African dance as the student attempts to squeeze into place.

These chairs obviously were designed for grade school children, and Tech students heartily agree that the backboards should be lengthened, allowing more room between the chairs, or that the backboards should be abolished altogether.

But something should be done in the near future—before some hapless student gets stuck between the chairs and has to have outside assistance in order to be freed.—Don Swanson.

Maid Of Cotton Entry Returns To Tech Not With Title, But New York Job Offer

By PAT EDWARDS
Toreador Society Editor

De Rose Wittenburg, South Plain's entry in the 1952 Maid of Cotton contest, returned to Lubbock Friday night from Memphis, Tenn., site of the national contest finals, and she was "glad to get home."

De Rose spoke glowingly of her experiences on the trip, but added,

"I guess I'm just partial to Texas." Highlight of the trip for her, she said, was getting to meet all the girls from different states.

Loses In Finals

The senior home economics student from Eden was eliminated with 18 other finalists Thursday night by a judging panel of seven members, headed by Estelle Lane, fashion editor of McCall's magazine. "But," De Rose exclaimed, "I don't mind losing, because the girl who won really deserved it." Winner was Patricia Ann Mullarkey of Dallas, a SMU student.

De Rose didn't win the top award but she did walk away with one special honor. She was asked by Candy Jones (Mrs. Harry Conover), who operates the Conover model agency with her husband, to come to New York when she finishes school. De Rose has not decided what she will do about the offer.

Is Photographed

Life photographer, Bob Kelley, also used De Rose as his model in a number of pictures of the event. These may appear in Life magazine's story of the contest.

In the final contest, De Rose wore a formal she designed and made herself during the Christmas holidays. It is turquoise cotton taffeta with an overskirt of pink net and a shirred bodice with a pie-shaped train effect of graduating ruffles in the back.

Judging Team To Compete In Show

Tech's new Livestock judging team will leave Wednesday for Denver where they will compete in the National Livestock show Saturday.

A new team is selected each year from the members of the junior livestock judging class. Those who were members of the team in 1951 are not eligible for the 1952 team.

The new team is composed of Wayne Arrott, Kenneth Aker, Ross Brown, Harvey Hennigan, Roy McKnight and Arthur Runnion, all junior livestock judging students. Enroute, the team will work out at Plainview, Amarillo, T O Ranch at Raton, N.M., and at Allen Cattle company in Colorado Springs, Colo.

Friday afternoon the team will compete in judging car lots of livestock and in the wool judging contest Saturday.

The team will be accompanied by Stanley Anderson, assistant professor of animal husbandry.

Bobbye Nell Adams, 1950 Tech graduate with a BS degree in physical education, is teaching in the Borgor public schools, Borgor.

If football is behind you, why not bone up on books from the library and surprise your date.



SMEDLY, I DON'T CARE IF YOU WERE OUT LATE.

Have You Heard?

By DOROTHY THOMPSON
and PAT EDWARDS
Toreador Society Editors

BELLS, BELLS, BELLS—Mingling with the bells of Christmas were wedding bells for many Techs. Among those who exchanged names and vows during the holidays are Beverly Brandt and Bub-

ba Ross, Jo Francis and Bob Overton, Frances Cox and Jack Mills, Cecilia Winningham and Jack Gibson, Mary Ann Jones and Pfc. Don Cowan and Mary Marie Bier and Dick Robinson.

Campus Whirl

Tuesday

Artist Course (Rudolph Firkusny)—High School auditorium, 8:00 p.m.
Home Economics club—Annex G, 7:15 p.m.
Press club—J04, 7:30 p.m.
Kappa Kappa Psi—XT, 7:30 p.m.
Silver Key club—Yuca room, Hilton hotel, 7:30 p.m.
Capa y Espada—Ad202, 7:15 p.m.
Radio club—Ad320.
Alpha Lambda Delta—CG, 5:00 p.m.
Major-Minor club—Ad210, 7:00 p.m.
Board of Student Organizations—5:00 p.m.
WICC—Ad206A, 5:00 p.m.
Tech Rodeo association—Aggie pavilion, 7:00 p.m.

Thursday

Future Teachers of America—extension building, 7:00 p.m.
Pre-Med club—C101, 7:30 p.m.
Arnold Air Society—4A, 7:30 p.m.
Book Reviewers—Home Economics building, 5:00 p.m.
Saddle Tramps—C101, 5:00 p.m.

Friday

Forum—Ad321, 5:00 p.m.
Saturday
Church of Christ Bible chair steak fry—2406 Broadway, 3:00 p.m.
Centaur Barbecue—Party house, 7:00 p.m.

Sunday

Ko Shari Founders day dinner—Hilton hotel, 6:30 p.m.
Canterbury club—Seaman Hall, 5:30 p.m.

Capa Y Espada Meeting Features Plays Presented By Sigma Delta Pi

Two Spanish skits will be featured at Capa y Espada, campus Spanish club, tonight at 7:15 in Ad 217, according to Charles B. Quailia, head of the foreign language department.

The plays are being presented by members of Sigma Delta Pi, honorary Spanish fraternity.

If you have noticed other starry-eyed Techs around the campus it may be that the cause of their daze is an engagement ring added recently. Zita Martin, Ko Shari, and Ralph Sharp, ex-Techs, became engaged Christmas day.

Naval Air Cadet Paul Hardwick, jr. presented Pat Cox with a ring during his Christmas leave. Others who have become engaged recently include Ann Nix and Byron Gunner, Jane Foster and Edgar Brash, Carolyn Parker and Bob Monk and Zendola King and Bill Yoes.

"WINTER WONDERLAND"—tradition which we hope will be long-lived will be started Friday night when Techs attend the first all-dorm dance to be held at Tech. The dance will be held at Drane this year from 9:15 to 12:15 p.m. A theme of "Winter Wonderland" is being planned by co-chairmen of the dance committee, Shirley Schmidt and Ken Gilbert.

Army Engineering Chief Will Inspect Tech ROTC

Col. Frank Milner of the office of the chief of engineers department of the army, Washington, D.C., will visit the Army ROTC unit at Tech Jan. 14, according to Col. Willard White, professor of military science and tactics.

Col. Milner will conduct an informal inspection of the facilities and training offered by the Tech unit. His primary interest will be centered in the corps of engineers unit here.

Dairy Manufacturers Head Will Leave For Meeting

J. J. Willingham, head of Tech's dairy manufacturers department, will leave Thursday to attend the Silver Anniversary meeting of the Texas Agricultural Workers association in San Antonio, January 11-12.

Willingham, who is on the board of directors of the association, said the theme of "Agriculture Looks Ahead" will be observed.

BACKTALK

Dear Editor:

We wish to acknowledge the thoughtful and sincere consideration of us in our time of distress.

Please convey, especially to the architectural and civil engineering departments, our thanks for the kind and generous things that were done.

The patient sympathy will always be remembered and cherished.

The family of
Aubrey L. Ferguson

Dear Associate Editor:

I thank you sincerely for your kind and patient explanation in answer to my letter of Dec. 4, concerning half activities at the Tech-HSU game.

I am reminded again (we often need to be reminded) that no one commentator or columnist can be swallowed hook, line and sinker.

Most sincerely yours,
Nell Hughes Miller
(Mrs. Powell Miller)

Dear Editor:

On behalf of the Cosmopolitan Club I would like to express our sincere appreciation to the Texas Tech student body for their kindness and thoughtfulness to each of the foreign students on this campus who was presented with a Christmas gift.

This token of remembrance to those of us who spent Christmas far from home holds great significance, in that it was an expression of your warm hospitality and interest in our efforts to seek for the best in life, that we might be better citizens of our respective countries and of the world. In all of our experiences here at Tech we have all been conscious of the fact that we have much in common, and this thoughtful gift makes it even more apparent.

We only hope that we will be able to justify your faith in us.

Yours very truly,
Victor Lolos
President

NCAA Winter Meet Draws Weaver, Holmes To Ohio City

Athletic director and head football coach DeWitt Weaver is in Cincinnati attending the annual winter meeting of the National Collegiate Athletic Association. Accompanying him to Cincinnati was Bill Holmes, sports news director.

the toreador

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The Signal Caller

By JOHN LEE

Holay! The Raiders came through at long last with a post-season victory. If that isn't a promise of better things to come, then what could be.

There wasn't a man on the squad that didn't think it worth every minute of practice time when, after the final gun, he could lift his head proudly and claim to be a Red Raider. The Raider coaches were carried off the field on the shoulders of the victorious Tech-sans.

The dressing room was all shine and smiles following the long tussle with noise and merry-making the chief occupation of every one concerned.

Seniors moved around congratulating one another with a top notch finish to a swell season.

Red Phillips, Jerrell Price and Junior Arterburn posed for a photographer while coach Bobby Goad was slapping Lew Crossley on the back and remarking on the t.d. toss he pulled in early in the game.

Paul Erwin was kidding Bill Gillman about his prize adornment and Jack Cockburn was sporting a new black eye.

Bill Whitted, "the world's worst freshman," was trying to get out of a locker (he had been locked up by playful upperclassmen).

Ray Howard was still wondering what hit him. He claimed he had been playing since early in the first quarter without knowing where he was or what he was doing.

The coaches were almost in tears they were so proud of their boys. Goad said he got so excited, he was even ready to get into the game himself. If he had had a uniform on, he would have probably tried to sneak in.

About this time the room got quiet as Coach DeWitt Weaver prepared to hand out the little diamond-studded gold footballs presented by the Sun Bowl officials to the team. Weaver handed them out one by one and shook hands with and congratulated each boy personally. An individual cheer went up for each player as he received his award.

Then the coach said a few words and turned the boys loose for the first time in over four months. A good time was had by all.

Tech Meets N.M.A&M Tonight

Tech's Red Raiders tackle New Mexico A&M tonight in their second Border conference game of the year. Game time 's 8 p.m. in Tech Gym.

The Aggies promise to give the Raiders their best home court competition thus far this season. The Aggies were the winners of the Sun Bowl Tournament over North Texas State Eagles.

Friday night Tech downed Arizona State of Flagstaff 87 to 50 in their first conference game. Center Paul Nolen scored 26 points in the one-sided game over the visiting Arizonans.

The Raiders took a 14-point lead before the Lumberjacks scratched, four minutes and 57

seconds deep in the first period.

At the end of the first period the score stood 32 to 6 and the Raiders appeared to be bordering on a new record.

But, in the second half the Raiders slowed up as freshmen substitutes gained experience.

The Raiders were without captain Jack Alderson. The Tech

guard may be back in action tonight.

Friday the Raiders go to El Paso to play Texas Western College.

Dorothy Lorene Harbin, 1950 hoo economics graduate, is county home demonstration agent for Garza county. She lives in Post, Texas.

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HUGHES COOPERATIVE PLAN for MASTER of SCIENCE DEGREES

PURPOSE

To assist outstanding BS graduates in obtaining their Master of Science Degrees while employed in industry and making a significant contribution to important military work.

ELIGIBILITY

June 1952 graduates receiving BS Degrees in the following fields:

- Electrical Engineering
- Electronic Engineering
- Physics
- Mechanical Engineering
- Aeronautical Engineering

Those chosen to participate in this plan will be from the upper portion of their graduating classes or will have evidenced unusual technical ability. They must also have evidenced imaginative ability and possess personality traits enabling them to work well with others.

CITIZENSHIP

Applicants must be United States citizens who can be cleared for "Secret," due to their work at Hughes Research and Development Laboratories being of a classified nature.

PARTICIPATING UNIVERSITIES

The University of California at Los Angeles and the University of Southern California will participate in this program, and candidates for Master of Science Degrees must meet entrance requirements for advanced study at these schools.

PROGRAM

Under this Cooperative Plan, starting June 1952, the following schedule of employment at Hughes is arranged:

- Full time—from June 1952 to Sept. 1952
- Half time—from Sept. 1952 to June 1953
- Full time—from June 1953 to Sept. 1953
- Half time—from Sept. 1953 to June 1954

Under this arrangement it is possible for a recipient to receive 3/8th of a normal year's salary each year and to attend

a university half time during regular sessions working on his Master's Degree.

SALARIES

Salaries will be commensurate with the individual's ability and experience and reflect the average in the electronics industry. Salary growth will be on the same basis as full-time members of the engineering staff. In addition, the individuals will be eligible for health, accident, and life insurance benefits, as well as other benefits accruing to full-time members.

TRAVEL AND MOVING EXPENSES

For those residing outside of the Southern California area, actual travel and moving expenses will be allowed up to 10% of the full starting annual salary.

TUITION

Tuition at either UCLA or USC, covering the required number of units necessary to obtain a Master's Degree, will be paid by Hughes Research and Development Laboratories.

NUMBER OF AWARDS

Approximately one hundred Cooperative Awards shall be made each year, if sufficient qualified candidates present themselves.

SELECTION OF CANDIDATES

Candidates will be selected by a committee of representation composed of two each from the University of California at Los Angeles, the University of Southern California, and the Hughes Research and Development Laboratories.

DATES FOR APPLYING

Informal applications should be mailed prior to January 30, 1952. The Laboratories will then forward formal applications, which should be returned, accompanied by up-to-date grade transcripts, by February 15, 1952. Selections will be made during the month of March.

ADDRESS CORRESPONDENCE TO
Hughes Research and Development Laboratories
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Culver City, California

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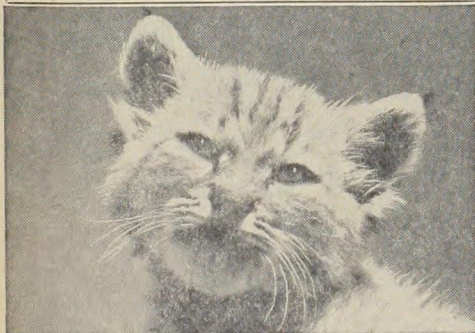
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NONE of the girls were wild about this Wildcat. His hair looked like something the cat dragged in! "I'm feline mighty low," he told his Paw. "Every Tomcat, Dick and Harry on campus has dates but me!" "Yes, Siam aware of that, son. You need Wildroot Cream-Oil hair tonic. All the cats are using it because it's non-alcoholic. Contains soothing Lanolin. Relieves annoying dryness. Removes loose, ugly dandruff. Help you puss—I mean pass the Finger-Nail Test." So Paul got Wildroot Cream-Oil, and now he's the most popular Persian at school. Purr-haps it's what you need! Take some small change out of your kitty and pussy-foot it to the nearest drug or toilet goods counter for a bottle or tube of Wildroot Cream-Oil. And ask fur professional applications at your favorite barber shop. Hurry—meow is the time!



*of 131 So. Harris Hill Rd., Williamsville, N. Y.

Wildroot Company, Inc., Buffalo 11, N. Y.

Tech Speech Department Will Play Host To Collegiate Debate, Discussion Teams

A forensic meet, sponsored by the speech department, will be held on the Tech campus Friday and Saturday, announced Dr. P. Merville Larson, head of the department.

Representatives are expected from seven or eight colleges, including Baylor university, Hardin-Simmons university, University of New Mexico, Midwestern university, Abilene Christian college, and Odessa Junior college, Dr. Larson said.

Students will be divided into groups and will participate in discussion and debate activities. Critics of the groups will be instructed

from the visiting schools and members of the Tech speech faculty.

Members of the Tech debate teams are Thelmaeane Hutchins, Joan Clifford, Jim Choate, Glenn Rainer, Gail Littleton, Molly Newman, June Morton, Evelyn King, Bob Dickenson, E. J. Tarbox, Howard D'Spain and Ted Simon. Members of the Tech discussion group are Thelmaeane Hutchins, Joan Clifford, Jim Choate, Glenn Rainer, Gail Littleton, Molly Newman, June Morton, E. J. Tarbox, Dwayne Carter, Howard D'Spain, Marjorie Asbill, Ann Gray and Len Rickey.

Gymnappers Down Keys For Crown

Sneed Hall Gymnappers waltzed past the Silver Keys 13 to 7 for the all-college touch football championship Sunday afternoon.

A pair of passes from Bob Lewallen to Orville Summey turned the trick for the Gymnappers. The first touchdown pass was from 15 yards out; the second from 30.

Ross Brown scored for the Keys on a pass from Jack Taylor.

Richard B. Dickey, who received a BBA degree in marketing in 1950, is a partner in the Scoggin Dickey Motor company in Lubbock.

Financial Economist Will Speak For TIF Foundation Day Banquet

The Tech Institute of Finance will have its annual Foundation day banquet in the Hilton hotel ballroom at 7:30 p.m. Thursday.

Ralph Green, financial economist of the Federal Reserve system, will be guest speaker. He will discuss the central banking policy under the defense program.

About 2,000 bound volumes of periodicals are added to the Tech library each year.

Wiggins Attends Meeting Of American College Group

Dr. D. M. Wiggins, Tech president, is attending the 38th annual meeting of the Association of American colleges in Washington, D.C. this week.

He will also attend a meeting of college presidents, members of the National Commission on Accrediting, to be held at George Washington university.

The gathering is scheduled to last from today through Friday.



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Classes Announced For Night Program

Sixty-eight courses will be offered in the evening program of classes next semester, according to George Heather, dean of business administration.

One-, two-, three- and four-semester-hour courses are on the schedule. Classes will begin Feb. 6.

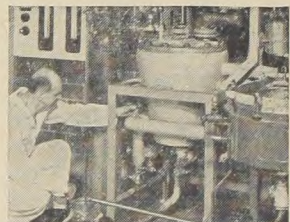
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January 10, 1952.

THE DU PONT DIGEST

Ch. E's at Du Pont

New products mean new opportunities
for chemical engineers

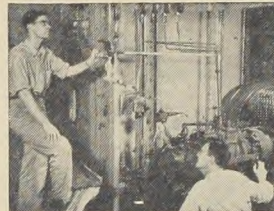


CHEMICAL engineers supervise preparation of larger-than-laboratory batches of chemicals in Du Pont's Special Service Laboratory.

[FIRST OF A SERIES]



STUDYING "Teflon" tetrafluoroethylene resin insulating material with special apparatus: K. F. Richards, B.S.Ch.E., Cornell '48; and E. K. Holden, M.S.Ch.E., Delaware '48.



CHECKING a multi-stage carbon-monoxide compressor used in semi-works operations: R. L. Stearns, B.S.Ch.E., Yale '49; and H. Peterson, B.S.Ch.E., Northeastern University '42.



CHARGING experimental polymers to spinning machine: O. C. Wetmore, Ph.D. Phys. Ch., New York U. '44; D. A. Smith, B.S.M.E., Purdue '40; and C. O. King, Sc.D.Ch.E., Michigan '43.

To you as a student chemical engineer, what does this statement bring to mind:

Nearly two-thirds of Du Pont's current sales are in products entirely or virtually unknown in 1930.

Likely it suggests years of solving intriguing engineering problems, the designing of unique equipment, the carrying out of reactions under extraordinary conditions.

But it should also suggest the opportunities that will come to chemical engineers in the future. For at Du Pont, new and better products are continually being developed. From today's extended program of fundamental research you can expect more neoprenes, more nylons, more plastics like "Teflon" tetrafluoroethylene resin.

As these products come out of the laboratory, they will bring with them a succession of interesting and challenging problems for the chemical engineer. Problems that will arise out of their very newness.

For instance, take nylon, the first

wholly synthetic organic fiber. In working out techniques for its commercial manufacture, there was practically nothing to go on. The compounds of which it was made, hexamethylenediamine and adipic acid, were essentially laboratory chemicals. Processes had to be devised to make them from cheap raw materials—benzene, hydrogen, air and ammonia. Large-scale preparation of nylon salt from amine and acid required going beyond the classical unit operations.

Here for the first time it was proposed to extrude a fiber with extreme accuracy from a melted polymer at 290°C. At this temperature the polymer decomposes slowly. It had to be melted, pumped at 5000 p.s.i. pressure through microscopic holes and cooled in a hurry. Otherwise the fiber would emerge discolored.

The Du Pont chemical and mechanical engineers and other men and women who worked with them ran into one difficulty after another. More than once they thought that the

project would have to be abandoned.

However, it is basic in Du Pont people's philosophy not only to take on difficult pioneering problems, but to see them through. With nylon, this persistence paid off handsomely.

Is this the kind of problem you'd like to attack, the kind of people you'd like to work with?

NEXT MONTH—Opportunities for chemical engineers in research and development will be discussed in the second article in this series. Watch for it!

WRITE FOR 40-page booklet, "The Du Pont Company and the College Graduate." Address: 2521 Nemours Building, Wilmington, Del.



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"That'll be about enough out of you," said the surgeon as he stitched the patient up.

Word to the Wise Dept: Never mistake asthma for passion.

Salome was the first woman to discover the relation between gauze and effect.

Then there was the fellow who collected rocks and put them in his bathroom. He had rocks in his head.

"Going around with women keeps you young?"

"How's that?"

"I started going around with them when I was a freshman and I'm still a freshman."

"Sonny, don't you know you shouldn't drag your sister by the hair?"

"It's O.K. lady, she's dead."

They make a perfect match, he's always lit and she's always trying to put him out.

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