 Gelling Few:
Only 4,482 registered for the spring semester
a few hours before the deadline for
registration Thursday, announced Evelyn Clewell, assistant
registrar.
Comparison
 The arts and sciences division leads
with an enroliment of 1,220 . Business. administration is next with
Other divisions follow with graduate division, 563 and home
economies 286 . The number of veterans enrolled is 505 .
The 4.482
from 4,660 students enrolled las
spring. There were 4,906 student enrolled during the
Miss Clewell said.

GROUP HEARS VAN NORMAN R. L. Van Norman, manager of spoke Monday night at Chicken
Village to Sigma Iota Epsilon, management fraternity. His sub tion Problems and Trends in Pe MICC Approves Campus Visit
Of Fraternity Representative ed a plan to sponsor a visit to the campus by a member of the Inter-
Fraternity council, national Greek fraternity association, in a Thurs day night session.
and Be Morris, Seymour senior and Bob Price, Colorado City jun ior, were elected president and secretary-t
respectively The council favored obtainin more information concerning the possible merits of nation frater nities before making any definite steps.

Questions Raised
Among questions raised at the meeting, the most persistent was
Will national fraternities help Texas Tech? Other questions considered delt with the possible ef fect nation fraternities would have on the membership of the organiz ations. Would nationals raise ot
lower membership? What benefit

## could national organizations offer

 that are not possible in the locals A survey has been completed by the council on the average cost offraternities in the nation and the southwest. Costs were obtaine
from average chapters of eight southwest schools.

Councll Makes Study A study has been made as to ternity goes off the campus. Statistics have also been compiled
determining the average cost of determining the average cost of
belonging to a men's social club at Tech. The council, in making the determined which ones are most often represented in this area. James G. Allen, dean of student life, cautioned the group to keep the question entirely on an impersonal basis, keeping identification
of fraternities out of bounds for


Willson Lecturer
To Be Dr. Carnell
at puer remo mana



Willson Lecturer to be presente
at Tech since the J. M. Willso family of Floydada set up an en
dowment to support an annual lecture series on science or tech

Vol. XXVII Texas Technological College, Lubbock, Friday, February 15, 1952 No. 6 Seven Petition for S C

## In Progress Is New Grade

A new grade, "In Progress"
(Pr.), has been adopted for use
this semester by the Council of
Deans, according to President D.
M. Wiggins.
This grade will reduce the use
of "Incomplete" (Inc.) and will
more accurately describe the exact
status of a student's standing in
those cases where it is used.
It will indicate the continuance
of a student's work (1) in a course
which continues through more
than one semester or summer
term, including thesis and dissert-
ation courses, and (2) in a course
which by nature of its offering
precludes the giving of a grade
at an assigned time, such as for
the mid-semester reports.
The grade of In Progress means
that the student's standing in the
course is satisfactory and that the
work will be completed at the end
of a subsequent semester, summer
term or other grade-giving period.
This grade is not to be confused
with or used in place of "Incom-
plete."
Tech's Champion Hereford
Telin

Write Your Alibis, Kids Fall Grades Are Ready! Students grades for the fall
semester are now available in semester are now available in Clewell, assistant to the regis-
trar, announced. Students may get them at any time she sald, Oh, yes, grades have been
mailed to parents

Court Rules Business Manager Must Resign if Elected to Council Position
Following precedent, Tech's
Supreme court decided Friday that
a student now holding an appoin-
tive position on the campus and
desiring to run for a Student coun-
cil post may do so if he will re-
sign his present position when and
if elected.
Benny Bruckner, Amarillo sen-
ior, raised the question last week.
Bruckner, business manager of
1952 La Ventana, is seeking to fill
the business administration va-
cancy on the Student council in
the Feb. 20 clection.
The unanimous decision of the
court was that he could run if,
provided he was elected, he would

This answer was "yes".
Three, "Is the student holding
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ernment major from AmarikDudley Montgomery, agriculturestudent from Longworth; James
Porter, engineering student fromPorter, engineering student from
Amherst; Claudyne Young homeAmherst; Claudyne Young, home
economics major from Lubbock;Hubert Gentry, government majofrom Shallowater, and Miss Nevitt
All but Gentry, who is a juniorAll but Gentry, who is a junior

Cross Lines for Peace

Techsans will step over denom-
inational lines Sunday to give inational lines Sunday to give problems which are common to students of every race, creed and
nation. World Day of Prayer will be at 8.45 pm . Sunday in St Pauls Episcopal church. Dick Thompsor the worship as master of ceremon-
A call to prayer will be read by
pray, led by Kenneth Davis, First
Christian church, and Frances Christian church, and Frances
Gibbs, Westminster fellowship. The Rev. William F. Rogan Presbyterian minister, will give a brief address on the nature and
purpose of the World Student purpose of the World Student Christian federation, the organization which is sponsoring the
world-wide religious observance Sunday. arly directed toward student, the general public is invited to attend, Mac Andrews, treasurer of the campus Student Religious council

Feminine Architects Complete Civil Engineer Surveying Class
Girls have invaded nearly every They are aggies, physical education majors, geologists. At the Toreador office, sols
be sports writers.
Now it seems that one of the last strongholds of men has been
taken. Girls have completed the taken. Girls have completed the
surveying course offered by the surveying course of
engineering division.
The two girls who were taking
surveying will hasten to explain, however, that they were taking the courses because it is required of all architectural masors
Hope to Pass
"I hope-I pass it," said Vicky
Probant, sentor architecture major from San Angelo when asked how she liked the course. "Some of these boys just breeze through it but it was hard for me. Evelyn Rorex, junior architec-
ture major from Panhandle ture major from Panhandie, gav the course.
Didn't Like It "I didn't like it. You go out there
and the wind blows and you step all over the tumbleweeds and about that time something happens
to the transit." (For the uninitito the transit." (For the uniniti-
ated, the transit is that object that ated, the transit is that object that looks lipod. tripod girls didn't feel especially The girls didn't feel especially
out of place because of the numMed School Entrance Test
Scheduled For Candidates
Candidates who are planning to enter medical school in the fall of
1953 are advised to take the Medical College Admission test in May according to an announcement
from the Educational Testing serfrom
vice. vice.
The test will be given May 10 at more than 300 local centers in al parts of the counrty. Another exam
will be given Nov, 3 , but it is recommended that students who wish to enter in the fall of 1953 take the test in May. Applications forms and informa-
tion giving details of registation tion giving details of registration
and administration, as well as sample questions, are available from pre-medical advisors of from the Educational Testing service,
Box 592 Princeton N J ComBox 592, Princeton, N. J. Com-
pleted applications must reach the ETS office by April 26 and Oct. 20 .

WHY YOUR DATE DON'T HESITATE

- That one is easy. You will see when you step inside our modern CIOVERLAKE DAIRY
- The wise dates always head for CLOVERLAKE for their delicious ice cream or tasty snack.
- Your favorite dish - BUTTERSCOTCH FILBERT-is now feaand be in on this popula treat.


## Cloverlake

1210 Ave. Q Ph. 5-8742
used of boys in the class. "You ge "It was kind of unusual, but we have several classes like that, and they are really nice boys," com
mented Evelyn. mour or five girls have taken the surveying course in the past, estimated Vicky. All were majoring
in architecture and were required to take the course.

Journalists See Movies
At Tuesday Night Session
Two movies were shown at the regular meeting of the Press club at $7: 30 \mathrm{p} . \mathrm{m}$. Tuesday in the audi-
torium of the Extension building, according to Jimmie Henley, senior journalism student from Lamesa and president of the club. The films deal with methods and uses of propaganda and advertis-
ing. ing.
About 2,000 bound volumes of periodicals are added to the lib
rary each year. rary each year.
More than 10,000 books and 16,
000 documents are added to the
library each year.

## Purpose of TISA Meet Is Explained

realize the importance of going realize the importance of going to

college is only one of the aims of the District I Texas Inter-Colleg iate Student assoclation convention to be held here Feb. 23, ac cording to Harold Brannan, vicepresident of the Tech chapter. This convention is the 1952 pro-
ject of the five colleges in District ject of the five colleges in District
I which are members of the state TISA. These area schools are
TIS are members of the state Abilene Chirstian college, Hardin Simmons iniversity, Wayland college, West Texas State college and Tech.
Student leaders from each of the schools will attend the convention.
The program will consist of five The program will consist of five
separate panels, each of which will separate panels, each of which will
have a representative from each college. The general theme "Opportunities in College," and the specific panel topics to be discussed are academics, athletics religion, social and leadership. The TISA is a young organization. It was started in 1949 and has a student association in 280
schools. These schools are divided schools. These schools are divided
into 10 districts. Each year a state convention is held where repre


LUCKIES TASTE BETTER!
It takes fine tobacco to give you a better-tasting cigarette. And Lucky Strike means fine tobacco. But it takes something else, too-superior workmanship. You get fine, light, mild, good-tasting tobacco in the better-made cigarette. That's why Luckies taste better. So, Be Happy-Go Lucky! Get a carton today!

They'll have a cozy little home Where they can bill akd manThe bridegroom is a Luekies, too! Peter $F$. Linde Peter F. Linde
Washington State College

never won a wager till never won a wage the bet
That day 1 mast is second to That Luckies' taste is se!
No other cigarette! Philip C. Norwine
Rensselaer Polytechnic Institute

L.S./M.F.T-Lucky Strike Means Fine Tobacco

Campus Las Chaparite dance
Twilight Music Twilight Mus
Museum auditor Artist Course-
High School Junior council
fers and new fre 5 to 6 pm . HEl Psychology Club Msychern Dance
Min Newn slee hali Business Edu Party House, Ma

Wranglers-8: Lubbock Hotel. DFD Initiates 11 DFD social club pledges Weanesa third st. After the initia dinner at the Azt sident.

The well-staffe partment is opee raty
serve you

LOST: Green b Treosure Nomen's Dorm Revard

Help-He

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alschu
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2422 BrO
E
We n in $s$ with o
${ }^{1305}$ college

## Campus Whirl

 Las Chaparritas Presentation HanceTwilight Music Hour-4 p.m.
Museum auditorium
Monday
Artist Course - 8 p.m. Lubbock High School.
Junior council party for translers and new freshman women-
5 to 6 p.m. HE105.
Psychology Club-7 p.m., PL101
Modern Dance club- 7 p.m.
Newman club- $7: 30 \mathrm{p} . \mathrm{m}$., Blakeslee hall.

Tuesday
Business Education club- $8 \mathrm{p} . \mathrm{m}$. Party House, Mackenzie park. Friday
Wranglers $8: 30$ to 11:30 p.m. Lubbock Hotel.

DFD Initiates 11 Pledges
DFD social club initiated 11 new pledges Wednesday at the home of Dixie McGehee, 2615 twentya st. After the initiation the club had to Rhetta McMaster, DFD pre sident.

The well-statifed reference department is open during all library hours. The staff is ready to

LOST: Green billfold in C-101 Treasure Phegley
omen's Dorm 4 (Knapp Hall Reward is offered

Help-Help-Help

1 NEED A COLLEGE STUDENT TO WORK MORNINGS AT THE CAMPUS TOGGERY STORE CONTACT
alschuler's
1103 Broadway 2422. Broadway


Valentine Motif to Feature Dance,
Presentation of Las Chaparritas
A Valentine motif will be carried out in decorations at Las Chaparritas social club anniversity presentation and dance to be held from to 12 p.m. Saturday in the Hotel Lubbock ballroom Billyges and their escortse Chaps senation. Burl Hubbard's Varsi- For 'Lie Detector', Psi Chi Study tonians will furnish music during Psychology club will hold its the evening. are to be presented and lirst meeting of the semester
 new psychology laboratory buildbership chairman.
Use of the "lie detector" will be Use of the "lie detector" will be
explained, with all members participating. Organization of Psi Chi, national honorary psychology fraternity, will be discussed. Members are urged to be present and anyone interested in becoming a member is invited, Price
said. said.

What is B. K. to F. W.? You't
be hearing about it soon.

Junior Council To Give Howdy Party for Women Junior council is giving an informal "Howdy" party for fresh-
men and transfer women in HE 105 at 5 p.m. Mondey, according to Patsic Scales, president.
"Get aequainted" games and refreshments will be featured.

The first "extra" edition of The Toreador was published in 1927 announcing an all-school "frolic."

Contest To Choose Sweetheart
Will Be Sponsored By Aggie Club
The aggies will "kiek off" on a contest to choose an Aggie club sweetheart at the next meeting of sponsor, said.
The sweetheart will be chosen by popular vote from 10 nominees Each departmental organization
and each class will nominate a candidate. The sweetheart will be presented at a banquet to be held sometime in April.
Keep on the lookout for B.K

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2-5 p.m.
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## Easter Cards

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Mother and Sweetheart with a beautiful Norcross Card.


1305 COLLEGE

## Will You Lend a Hand?

A few weeks ago chances for getting the 1952 La Ven tana out by the end of this school year looked pitifully slim and the morbid idea of not getting yearbooks till next fall began to spread over the campus.

An encouraging report, however, was given to the Publications committee Wednesday by Editor Dick Brooks. He told the group that pictures for the class sections had been turned over to a Dallas engraving company which has agreed to complete all work on them, thus relieving the yearbook staff of many manhours of labor and making it a possibility that annuals can be delivered this spring.

With enough volunteer help from students and organzations, this feat can and will be accomplished. But there lies the big "if"-will students and clubs help in completing the remaining sections of the book?

Several pleas for help have been published in The Toreador, and members of the Publications committee have also been soliciting aid. As yet, however, the response has been slight.

Perhaps this is because students feel they are not qualified or experienced enough to be of service; or perhaps they have felt that nothing anyone could do would make it possible for yearbooks to be distributed this term.

Experience in yearbook work is desirable, but certainly not necessary, Brooks stresses. Anyone willing will be given a job he can do, the editor says. The office is being kept open at night for students who are not able to work because open at night for students who are
of clases at other times of the day

Since the task of compiling class sections, which has been the staff's biggest headache, has been taken over by the engraving firm, students who volunteer service can feel that they are making it possible for La Ventana to come out this spring, instead of next fall. With enough help, it can be done!

## Kill the Umpire

Just a reminder: baseball season doesn't start until late spring; that game they're playing over in the gym is basketball.
"Kill the umpire" has become a traditional yell in baseball, but we don't remember hearing it advocated for basketball. We might be wrong, of course. We've heard that sort of thing yelled so much at basketball games this season that we're almost convinced we are wrong. But not quite.

We keep thinking, for instance, that possibly Tech players do foul sometimes and that there's no point in the loud "Boo-o-o" that goes up when the referee calls it. We keep thinking that the opposing team doesn't have to be wrong every time, and that there's no point in claiming that it is. Most of all, we keep thinking what a poor showing of sportsmanship we're making in the eyes of the opposite school.

Like we say, though, threatening the officials may be the right way to act. But we don't believe it. How about you?-Pat Edwards.

## Pat's Patter

## Board Slights Important Group On Naming College Buildings

Toreador Associate Eator $\mid$ Several politically-minded TechComes a time in everyone's life when he is throughy squecthed.
And we now have a frustrated group of persons walking about the ca
low.

After many years of thinking we were the most important per-
sons on the campus, we find the college board of directors overlooked The Bulding when they
were designating titles for campus structures.
So now if you want to write a
letter to the editor of The Torea-
dor, we guess you'll have to ad-
dress it to the building-with-noname.
Or perhaps it should be addressed to the building as some
of our friends have surgested.

Everyone can participate in B. K. to F. W. It's coming soon, so be prepared. Watch the can
pus for further information.
sans have griped in the past about
the sad lack of interest in campus the sad lack of interest in campus
elections, especially elecions held elections, especially elecions held
to fill office vacancies. Perhaps, the fault lies in our election system. Students desiring to fill two
Student council vacancies is the coming election of Feb, 20 had
little chance to file petitions and little chance to file petitions and
even less to learn about the posiElection date was set Monday
Ele Election date was set Monday
night in Student council meetnight in student council meet-
ings petitions were available at ing; petitions were available at
2 p.m. Wednesday, and were to be returned by 5 p.m. Friday with 100 sigmatures. published Tuesday and late Friday evenings, Techsans had only forthcoming election and necessity dor. They had only two and one-half days to obtain signatures.
Granted, 100 name signers are


Texas Tech Talk

## Techsans Will Have Free Entertainment

By John Norcross
Toreador Editor
Tech students at last have a chance to hear Helen Traubel, ramed Metropolitan opera singer
Her previous engagement cancelled because of fillness. We would like to urge every ing a "free take advantage of havnight concert. All students will be admitted on showing of their tivity book.
Each year
Each year the Tech Artists Course brings famous names in the musical world to the campus for concerts which are free to
Tech students. However, students have too often failed to take advantage of this bargin and, as a half-filled house, Nothing is more discouraging to a musican singer than empty seats.
The center section of the high school auditorium has been made available to students instead of townspeople this year. Let's fill up that section and give Miss
easy to find. Granted, most per the election anyway.
Yet there may have been a few
interested persons interested persons who missed
reading Tuesday's issue of the reading Tuesday's issue of the paper or had not heard about
the election until too late to obtain the signatures.
In last spring's general election students were given 13 days to have petitions signed and the coming political event was reported in three

## paper.

peeded-up the season for the that the two councilmen are needed as soon as possible and there wasn't enough time to publicize the event properly.
Still we feel the
still we feel the student body newspaper notice to learn about the necessity for filing a petittion if they wish to be placed on an election ballot. Also, we reel a prospective candidate should have more time to sol paper names for the nominating paper
Afte
After all, word-of-mouth infor mation
riends.
B. K

About The Campuses

The Daily Texan at Texas university reports that 25,000 per-
sons visited its famous Tower observatory during 1951. They claim to have had 178,767 visitors to
the Tower since its erection in 1936 the Tower since its erecti
at a cost of $\$ 3,000,000$.

University of Tulsa's student newspaper, the Tulsa Collegian re-
cently published its golden annicently published its golden anni-
versary edition. The first issue of the paper appeared in March of 1902, when most of the counrty around the university was still
"Indian territory." Over 60 ed"Indian territory," Over 60 ed -
itors have worked on the paper itors have worked on the paper
during the 50 -year

Students at Eestern
co university will 000 library constructed this year. The university president says he
expects the building to be comexpects the building to be completed by December. Dedication of the new structure will be made
at the Homecoming celebration in November.

Dan Jenkins, in and article for The Skiff college newspaper, has made several predicitions for Texas Christian university campus in
1952 . He thinks TCU will lead all maof Mickey Spillane novels; Hollywood will film the life of Dutch Meyer, but will change the pro-
posed title from 'Mr. Razzle Dazposed title from "Mr. Razzle Daz-
zle" to "Davis and Blanchard of zle" to "Davis and Blanchard of
Army", and (co we find a faint tinge of bitterness here?) plans will be laid for the construction of a new Student Union building and the Administration will promise its completion by the spring of 1976 .
In case you haven't read today's editorial we will remind
you again that volunteer help is still needed to complete the 1958 La Ventana.
Editor Dick Brooks reports that it may now be possible to get the yearbooks out this semester, if
the staff can get help from students and organizations. You can help, even though you have no ex-
perience, he says.
If you have a spare afternoon or If you have a spare afternoon or
even an hour during the next few days, you can aid in getting the annual out this spring by dropping by the office, J205, for volunteer
work.

## tootoreador

THE TOREADOR, newspaper of Texas Technological college, is published every Tuesday and Friday on the campus of Texas Tech-
nological college at Lubbock by nological co
the college.
the college.
EDITORIAL OFFICES
Press Building, Rooms 103, 105 Telephone: '8541

Extension
Business Manager, 423
Night Editor: 8548

## Member Associated Collegiate Press

4. These streets are the sore that this carnpus is the best, but a few such streets can ruin it. The cond it is rapidly becoming worse

coming because we both live in
Men's 4 and we get the full effect
of the streets and the blowing
A brand new car lasts only
few days on these strects becone
they are so rough.
Everyone up here would like
quickly as possible. Thanks!
Jack McCracken
Frank Johnson
Trauber a full house for the Monday concert, As far as we know, a large number of student should attend.
Remember, you have a chance to hear Helen Traubel without be paying $\$ 1.80$.

Tech's Supreme court will have a case before it this week for the is to decide wether the busines or a Studnt council post in the coming election, without resigning present job
The matter will call for an insociation constituc purpose for which the Supreme court was established.
Chief justice of the court this year is Erin Nevitt, who is the first
woman student, as far as we can find, to ever hold that post. Other members of the court are repre sentatives of each of the five divi
sions of the college.

## Bflciliflis

## Use of More Photos Brightens History Books, Says Dr. Rister

Pogo, but Dr. Carl Coke Rister, distinguished professor of histor as Pogo, but Dr. Carl Coke Rister, distinguished professor of history,

believes there is a trend toward using more photographs in them, thero believes there is a trend toward using more
by cutting wordage and brightening them.

A factual account of the "Haystack Massacre" in Oklahoma is the usual approach, but a new slant is added when a picture of the haystack with the bodies where they fell is shown.
A touch of color is furnished photographer's wild ride across the Kansas border to photograph
the scene before the arrival of the sheriff and his party. Rister, seeing recently the obituary of the old-time photorapher in a newspaper, contacted his widow for se of the picture.

Photo Is Document
"A photograph is a document," Rister stated. As an example, he pointed to a rpicture of General
Robert E. Lee published in one of his books. He explained that he didn't have to theorize about how Lee looked when he visited Texas because he had obtained a picture by which he can get every detair accurate.
A guide book located the site of Camp Alice, a boomer camp esta-
blished in 1882, as being in what is blished in 1882, as being in what is
now Oklahoma City. From various written accounts Rister had rea son to doubt this fact. He located and questioned the photographer who had been with the Camp Alice party and taken a picture of the group at that time.
With the directions of the photographer he went to a place he felt
sure was the real location of the sure was the real location of the
site. He took a picture and site. He took a picture, and upon
comparison with the one taken by comparison with the one taken by
the Camp Alice photographer it was definitely established that the latter location was the site of the camp.

STUDENTS TO STUDY STARS An astronomy party will be held Saturday at 4 p.m., sponsored by
the Church of Christ Bible chair the Church of Christ Bible chair.
Students will meet at the Bible Students will meet at the Bible
chair and go to McKenzie park for a pienic. After dark they will study star formations with the aid of a telescope. Everyone is invited to attend.
Do you know what B. K. to F W. means? Watch The
for further information.


Guadalupe School Presents Program for Spanish Club
The program for the regular meeting Tuesday night of Capa y Espada, Spanish club, was given by students of Guadalupe school under the direction of Socorro Rangel and Betty Quinlan. Miss Rangel and Miss Quinlan officers of Capa y Juan Burrita was in charge of song and a skit was directed by Sue Burks according Mrs. Scotti Mae Tucker, instructor in the foreign language department.

If football is beyond you, why not bone up on books from th library and surprise your date?

Five Companies
To Hold Interviews
Representatives from five com-
panies will be on the campus Mon day and Tuesday to interview 1952 graduates, according to Mrs. Jean
Jenkins, director of the placement service.
A representative of the Ameri
can Potash and Chemical can Potash and Chemical corpor terview praduates with majors in hemistry chemical electrical and mechanical engineering.
Interviewers from the Sandia Western Electric company and Southwestern Bell Telephone company will be here both Monday ind Tuesday. Students with majors in engineering, physics and math
will be interviewed as will ac counting and business majors. Mrs. Adams Attends Meet Mrs. Vivian J. Adams, professor of Home Economics education,
attending an administrative attending an administrative $r$
gional conference of excutive o fieers of State Boards for Vocational Education and State Directors of Vocational Education tors of Vocationa
New Orleans, La

Inspection Trip Planned By Textile Orgaanizations

French Club Meeting To Feature Plans for an industrial inspection
trip over the state are being made trip over the state are being made
by the Textile Engineering society by the Textile Engineering society
and Phi Psi, national honorary and Phi Psi, national honorar
fraternity for textile engineers. raternity for textile engineers.
Acording to L. E. Parsons, head of the department of textile en gineering, from six to twelve textile mills will be visited. Tech graduates are working in most of the mills in the state, Parsons said. This trip has been made annually for several years.
Persons who are interested should report to the placement office to schedule appointments. Descriptive material is on file, Mrs Jenkins said.

European Trip Of Mabel Erwin
Mabel D. Erwin, professor of
clothing and textiles, will speak clothing and textiles, will speak
to the French club about her sumto the French club about her sum-
mer in Europe at a meeting of mee in Europe at a meeting of
the club $7: 30 \mathrm{p.m}$. Tuesday in he club $7.30 \mathrm{pm} . \mathrm{m}$. Tuesday in
Ad 221, according to Dr. C. B. Qualia, head of the foreign language department
B. K. to F. W. is coming.

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## THE DU PONT DIGEST

## Ch. E's लit Du Pont

## The fields of research and development

 invite ingenuity of the chemical engineerResearch and development work in Research and development work in chemical engineering often overlap search is fundamental
The chemical engineer occupied with fundamental research is chiefly concerned with basic studies of unit operations and processes involving reaction kinetics, thermodynamic properties of fluids, high-pressure techniques, equilibrium studies, heat transfer and the like. Such studies often lead to lower-cost manufacturing processes. Some recent projects in fundamental research have been: 1. A study of fluidized catalyst reaction units including degree of fluidation, temperature uniformity, catalyst activity and life, and conversion lyst activity a
2. Studies of the fundamental trans fer relations between phases, for in stance, gas and liquid, in reacting materials.
Apart from the chemical engineers engaged in fundamental research

there are many groups working in there are many groups working in
applied research and development. In fact, this is the major part of the In fact, this is the major part of the chemical ene literally hundreds of unusual problems they have solved:

1. Designing equipment for producing pure silicon at $1000^{\circ} \mathrm{C}$. (Though one of the starting compounds is highly corrosive, only spectroscopic traces of impurities can be tolerated.) 2. Developing a high-pressure liquidphase process to replace the standard dry method of producing sodium azide formerly employed.
2. Designing a continuous flow, gasliquid reactor for use in making a fiber intermediate under pressure.
3. Developing, from laboratory research results, a process for largescale production of complex poly meric mate ials used in the manu facture of color photographic film.

These examples can only hint the variety and originality of problems

inspectina a new type of high-pressure reactor:-
Robert J. Stewart. B.S.Ch.E., Rensselaer Poly, tochnic Inetitute 'so; and Henry Smithies,
M.S.Ch.E., University of Michivan' 50 .


SEEking new ways to coat plastic on wire:
Carl Hellman, B.S.Ch.E., Syracuse '50; and
J.M.McKelvey,Ph.D.Ch.E.,Washington'50. [SECOND of a SERIES]
constantly arising at Du Pont. They indicate the challenge as well as the broad opportunity awaiting the talents and ingenuity of the young ents and ingenuity of the young reer in research and development.
NEXT MONTH - The chemical engi neer's role in plant operation at Du Pont will be discussed in the third article in this series. Watch for it!

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studyng plate in stainless-steel tower used to
determine efficiency of designs: C. M. Gamel, J., S.M.C.L.E, M.IT. 48, and J. B. Jones
M.S.Ch.E., Univervily of Michigan'46.

## Page 6

THE TOREADOR
Friday, February 15, 1952

Textile Engineering Prof
Writes Research Article
Cotton research projects at Tech are the subject of an article written by Dr. Lyle E. Hessler, textile engineering professor. The articl ton Research committee of Texas The number one project, which has been active for several years, is the development of the value of cotton in the El Paso area. The
other two projects the committee has been working on for the past two years are cooperative work tricot knitting.
New projects which will become are cleaning efficiency of existing opening, - picking and carding machinery; a physical, chemical and microscopical study of rain
grown, semi-irrigated and irrigated cotton fiber, and quality contro instrumentation for greater effic
iency in yarn manufacture from Texas cotton.
WIGGINS TO SPEAK
President D. M. Wiggins will speak in Snyder Thursday noon at
the Rotary club. Friday he will in the Rotary club. Friday he will in-
troduce Senator Fullbright at a Snyder Chamber-of-Commerce President D. M. Wiggins spoke at President D. M. Wiggins spoke at a teacher's meeting Monda
Plains High School, Plains.

## TAXI

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Tech Students Visit Plants in Houston Thirty chemistry and chemical engineering students made a plant 5 and attended a joint meeting of student chapters of the American Institute of Chemical Engineers and student affiliate of the American Chemical society. will be held as the groups urary, according toch next Feb professor of chemistry and chemical engineering. Groups from colexpected to attend.
Five papers were presented by the group from Tech at the Houson meeting. Those presenting papers were Betty Shipman and Donald Smiley, H, C. Mieth and B. L. Pritchard, G. R. West and
Jack Cockburn and R. L. AnderThe group toured plants of Consolidated Chemical Industries, DU Pont, Shell Petroleum, GoodCool, Grand Prize Brewing and Diamond Alkali.

Three Faculty Members Appear In lubbock Symphony Concert Three Tech faculty member appeared Monday and Tuesday as
guest artists in the third Lubbock symphony concert series of the symphony concert series of the
season in the Lubbock high school
auditorium, according to Dr. Gene Hemmle, head of the music department.
Mary Jeanne van Appledorn, pianist, is a piano instructor in the music department. Robert
Dean, who will give a viola solo Dean, who will give a viola solo,
is a string instructor here. Ira
Schantz

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Pandemonium Reigns At Building Change

Pandemonium broke loose in the engineering division and music department as the migration to new buildings started be-
tween semesters. tween semesters.
Civic and mechanical engine-
ers and part of the architecture ers and part of the architecture
department moved into the new Engineering bullding. The electrical and industrial engineers and the rest of the architects will retain their lease on the old Engineering building.
The Music building has band practice rooms, a choral rehear-
sal room, general library, ing rooms, practice rooms studios and numerous good-looking. coeds.

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            Hmm - - -
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James Whitehead Named Bledsoe Hall Supervisor
James Whitehead has been ormerly Men's Dorm III, accord ing to James G. Allen, dean of student life.
Whitehead is replacing Guy Shehane, who left the take a position with Bell Aircraft corporation.
Whitehead received both his Whitehead received both his BA and MA in history at Indiana uncounselor in dormitories. He was married last Christmas.

Tech Band Plays Concert At Mineral Wells Event
The Texas Tech concert band
played for musicians representin played for musicians representing ectors throughout Texas at the annual All-State Band clinic in Saturday, according to Director
D. O. Wiley. The clinic was sponsored by the Texas Music Education associa the Tech band and to Dr. Wiley in appreciation for their concert. Joe Haddon, assistan
structor, also attended.

Tech Drill Team Performs
At Fort Worth Stock Show
The Sam Houston Rifles, The Sam Houston Rifles, air
force and army ROTC drill team force and army ROTC drill team, gave a ten-minute performance
preceding the rodeo in Will Rogers preceding the rodeo in wim Roger Worth Fat Stock show Feb. 2. Twenty-two members of Tech's
crack drill team made the trip. They were accompanied by Lt. Harold A. Bodley, assistant professor of air science and sponsor of the organization, M/Sgt. J. W.
Ellis, instructor in military science Ellis, instructor in military science M/Sgt. Arlie Mosley, instructor in military science and tactics.

La Ventana staff members still need help in completing the yearbook. Drop by for an haur or two
today.

Little Theater Play Cas Features Tech Students
$\qquad$ eatured in the cast of the Lubbock to be presented at $8 \mathrm{p} . \mathrm{m}$. Tuesday and Wednesday in the Lubbock High School auditorium, announc ed Miss Cecilia Thompson, direc tor.
"Pygn
"Pygmalion", stars Jo Simmons
senior speech major senior speech major from Lubbock
and Wallace Jackson, Tech speech instructor.
Other Techsans in the cast are
Halcyon Hildrith, graduate speech student from Lubbock: Don Thompson, sophomore speech major from Spur, and Patti Harris, senior speech major from Garland. Former Tech students in the cast and Betty Rae Moxley.
nd Betty Rae Moxley

Pygmalion" is the most popula dies, Miss Thompson said It was dies, Miss Thompson said. It was Howard and Wendy Hillyer which Howard and Wendy Fillyer whic

Have you guessed what B.
to F. W. is. It not, keep your eyes
and ears open. It will be here soon

Business Administration
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Offers Tyo New Courses
fered for the first time by the division of Business Administration, announces Dean George G. Heath-
A course in Public Relations of fered through the department of and practices of stimulating business goodwill."
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Corporation Representative Speaks at Tech Thursday students interested in agriculture chemistry and industry Thursday n the Aggie auditorium. Peterson is representing the ex-
tension division of the public retension division of the public re-
lations department of E. I. dePont de Nemours and company.

## INDIVIDUALLY STYLED

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BALL-pointed pennings By Iimmie Henles

## Racketmen Hold Daily Sessions To Prepare for Coming Match

Broyles is not eligible for competiBroyles is not eligible for competi-
tion, but Grey and Brown will b back with the Raiders next fall.

Student Judges Will Discuss Traffic Court at BSO Meet
Tratfice court judges will dis cuss the general set-up and workings of the new organization at the regular Board of Student or ganizations meeting at 5 p.m.
Tuesday in the Green room of the Tuesday in the Green room of the Recreation hall.

Tech's tennis team is holding Intercollegiate Tennis tournament aily preparations for 11 matches the first of which will be played hext week as the team takes its



Coached by Dr. Roy R. Male,
the team is being paced by a freshman as it rounds into shape. David Clark of Lubbock topped Buddy Burgess of Lubbock and Richary Clark, freshman from Vernon, in a round-robin held early this week Leaving Wednesday, the team
plays Texas Western college in El Paso before entering the Arizon by the loss of three lettermen from last year's squad. Lost were Joe Wheatley, Shaff deGaish and Charles Orren. Satterwhite is the only returning letterman, although Burgess was on the squad

Feb. 22 to 24. While in Tucson University of Deet here with the Feb. 22 to 24 . While in Tucson, University of Denver, a tough opthe Raiders will play a team match ponent, and games with Southern
with the University of Arizona. This year's team is weakened universities on their courts.

## - ARMM Do YOU KNOW

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## Raiders Meet Arizona Here Friday Night

 As Tech Seeks Eleventh Win of SeasonTech's Red Raiders tangle with
Arizona's Wildcats at 8 prin Arizonas widcats at 8 p.m. Fri-
day in the Tech Gym. The Wildcats cascaded the Raid-
ers 77 to 68 in their first meeting last month in Tucson. At that time Haddie Redd led
the scoring for the Arizonans with 16 points. Since that time he has
16 beeause of Tech's policy toward negroes playing on the Tech cam

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& \text { Tech's board of directors, after } \\
& \text { discussing the subiect in last Sat- }
\end{aligned}
$$ discussing tee subject in last Sat urday's meeting, took no action son with 11, Noxt was Virgil John-

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sion and 105-h.p. Emgine optional on De Lure
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Bobby Good of the Tech coaching staff is director of the boys tournament. The girls' competition
under the supervision of Dr. Ramon Kireilis, phyiscal education department head will be directed by Morley Jennings and Mrs. Margraet Richards. Districts one through eight will ament in both classes.


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