## The Spectrum

February 17, 195 Brain Meets Brawn In Bromo Bowl Set For Wednesday At Dacotah Field

Football in the snow? No, you're
hearing things! The annual o Bowl game between the the "Beauties" of Alpha Tau ega will be played at 4:00 p.m. Wednesday, February 22, at otah Field.
No charge will be made for game this year.
Going for the "Beauties" Geary are: Co-captain Jim "King
Athletic Grants Established Here; For F-M Residents

Two new athletic scholarships號 made available to the orth Dakota state College by the presentatives of the Crown Life Insurance Company of Canada. nese scholarships, which will be entitled "The Glenn Peterson
Agency Scholarship", will be arded annually to two outstandg high school senior athletic
layers of Fargo-Moorhead and est Fargo.
The amount of $\$ 150.00$ will be paid in three installments to the recipients during their freshman
year at NDSC. Students should year at NDSC. Students should
have an average or better schol-
astic record in high school, promise of future development in field of study, demon-
strate good leadership ability, and have-balanced personality,
"The Glenn Peterson Agency cholarship" will be awarded metime during the
Recipients of this scholarship will be selected by a committee
omprising the NDSC Athletic irector, principal or superintenof the high schools concerned two business or professiona
selected by the company selections in turn will be ubmitted to the NDSC Scholar Committee.

## asCE Meeting Set

Nednesday Evening
chapter of the American next Wednesday at 7:30 in ntudent union.
ASCE candidate for St. Patrick the Engineer's ball has been in civil engineering.
addition the state.
ASCE will meet the NDU chap $r$ in a challenge basketball game his Saturday morning at 11 in Grand Forks. All members are rged to attend this contest.

## our Lads Coming

The Four Lads will be featured dance at the Crystal Ball on March 6th. The dance, sters, will be sponsored by Tickets waseball team
ickets will sell at the door for
However, tickets will be on However, tickets will be on quarter Union at $\$ 1.75$, so save quarter and get your tickets
rly. Dale Brostrum will be in

## Kong" Linskey; Co-captain Keith

 Grace" Sheltons; Bernie "Burn-em-Up" Altenburg; Chuck Wa Arten; Jay "Ape-Man" Berquist Bullets "Hot Lead" Birch; Ron "The Educated Toe" Burt Harold; Diamonds" Halbert; Harlan "Ride 'Em Cowboy" Harrington;Lyle "Out House" Huizenga; "Lover Boy" Kjelland; Dale "Th Horse" Larson; Jerry "GI Joe" Lien; Harley "Spook" Lynch; Jim "16 Tons" Maetzold; Ralph "Tugboat" Miller; Jerry "Pretty Boy"
Monson; Scott "The Tiger" Mont Momery;

George "The Rocket" Platt; Wayne "The Governor" Schnell;
Bob "The Swede" Sevde; Dale "Carrot Top" Sorenson; Gordy The Gabber" Sorenson; Jerome The Langdon Leopard" Sturlaug"Crazy Legs" Ulness; Gary "Baby Face" Abrahamson and Harold "4 Point" Shattuck.
The "Beasts", coached by Barry "Brainwash" Johnson, are sending orth: Jane "Fuller" Brush; Mag gie "Stall A Little" Lillestol; Sig JeanAnn "Curly Toes" Nelson "Clear The Way" Gendreau;
Arlene "Holsum" Olson; Gloria "Roughneck" Reseland; Captain
Gwen "Lovey" Dove; Mary "Masher" Meckstroth; Wendla Bulky" Zuehlke.
Although the "Beasts" are outnumbered 31-12, they have a definite weight advantage. Thei
line averages 250 pounds as compared with
pound line.
The officials, Jim "Moldy Eyes" Marquardt, and Jack "Flop Ears" Larson are anticipating a rough time as the enthusiastic "Beasts" working off their split 1 , are "Be "Beauties". However, the "Beauties" will probably manage weapon, the passion play, and foil all plans of attack.
There has been heavy speculation around campus as to the outtion around campus as this year is
come of the game. This come "Beauties" year to rise to fame by winning the "Bromo Bowl". But-who knows what will happen when they meet the 250
pound line of the "Beasts". Why pound line of the "Beasts". Why Wednesday at 4:00 and see for yourself?

Mirgain Attends Meet
Frank C. Mirgain, dean of the school of engineering at the North Dakota State College, recently attended the annual meet-
ing of the American Society of ing of the American Society of
Civil Engineers in Dallas, Texas, February 11 to 16.
Dean Mirgain is national chairman of this society's committee on local sections, and as such presided at a two-day conference
of officers of local chapters from of officers of local chapters from
the southwestern states. He also presented a paper on the integration of technical subject mat-
ter into the activities of local secter int
tions.

LOST
Pickett slide rule in black case with address in green ink on in-
side cover of case. If found please
call Vern Zink at 24018, evenings.

## Series Begins Today

## Ugly Man Contest <br> Bentson Sees Closest Series In Years;

 Begins Next Week; Bison In Best Shape Since Holidays
## Sororities Back Six

Ugliest Man On Campus! You might have your own ideas, but so
do the campus sororities. Once do the campus sororities. again the six women's Greek let-
ter groups at SC are sponsoring ter groups at SC are sponsoring
candidates for the annual Alpha Phi Omega UMOC contest.

Six of the ugliest men in the college community are vying for this unique honor this year. include Roger Gebhart, Gamma include Roger Gebhart, Gamma
Phi Beta; Don Hanson, Phi Mu; Maynard Helgaas, Kappa Alpha Theta; Bob Montgomery, Kappa
Delta; Tom Radcliffe, Kappa Delta; Tom Radcliffe, Kappa
Kappa Gamma; and Chuck PhilKappa Gamma; and Chuck
lips, Alpha Gamma Delta.
lips, Alpha Gamma Delta.
The winner of the UMOC con dance held in honor of the con test next Saturday night, Febru ary 25 , at the fieldhouse from 9 fifty cents and Paul Hanson and his orchestra will play.
his orchestra will play.
the at the dance from APO and the trophy. Voting for UMOC is on the basis of one cent per vote with all proceeds going to the crippled children's home at Jamestown.
Voting jugs will be located on nion next week of the studen union next week, Monday through scheduled for 8 to 7 Monday through
Saturday

## FFA Week Opens

 Nationally Saturday
## By Fred Flander <br> Future Farmers of America

 nembers throughout the nation are scheduling special activities to focus public attention on the work of their organization during Membership in the organiza made up of students in is made up of students in agri high school level a college and igh school level. The organiza marily activities are designed prileadership and good citizenship. Also the group seeks to stimulate Also the group seeks to stimulate ment in their studies and worl toward successful establishment in farming.The local chapter is made up of college students with Mr. Officers in serving as advisor. president; Don Priebe, vice-prespresident; Don Priebe, vice-presOrdeen Jacobson, treasurer; and Anton Gunderson, reporter; and Anton Gunderson, reporter.
Future Farmers chose the wee of George Washington's birthday national FFA Week. Although gennational recognized as a Revolutionary general and our first pres neer in good farming. It was on his farm that many sound agricultural practices of today were first tested and adopted.

## World Day Of Prayer

This Sunday marks World Stu dent Day of Prayer around the world. Worship services will begin on the $S C$ campus at 6 in the eve-
ning with music present ning with music presented by the SC choir and Dr. C. Maxwell
Brown of the First Brown of the First Methodist church as guest speaker.
All members of the student body are invited to the College Y at five Sunday afternoon for sup
per and the service following.

This weekend will Bender This weekend will see the NDSC ison and the UND Sioux playing series at the University. Bison coach Chuck Bentson says, "A ook at the season's records and tatistics, and a look at the two eams shows that this year's series n years."
Each team has a set of three year guards, Rusty Cook and Waryear guards, Rusty Cook and and
ner Brand for the Sioux, and

## Altered Senate

 Election SchemeProposed By Board The Student Senate, in their
last meeting, considered a prolast meeting, considered a pro-
posed change in the method of lecting student senators.
In the past it has been possible for a student to cast his 12 votes
for two senators, six votes for a or two senators, six votes for a
one-year senator candidate, and one-year senator candidate, and
the other six votes for a two-year enator candidate. In the past various individuals and/or organizations have complained that the representation that was seated on the student senate was not the
persons the student body as a persons the student body as a
whole desired, but was rather individuals backed by close-knit ganizations.
Robert Gion, commissioner of campus affairs, was appointed
to draft a proposed system to draft a proposed sysiem in the future. Following is a report of the draft which Gion will present to the Sfudent Senate Tuesday for consideration. PROPOSED NEW SYSTEM
Organizations on the campus
who are listed specifically by the who are listed specifically by the
student senate will be able to ponsor senate candidates, the umber depending on the number of individual members the organiation has.
If an organization has from 1 to 150 members, they may sponsor two candidates, one 1 year candidate, and one 2-year candidate. If the organization has from 150 to 300 members, they may sponsor three cand dates, either one l-year candidate and two 2 -year candidates
or two 1 -year candidates and one 2 -year candidate. Organiza tions with over 300 member may sponsor four candidates,
two 2-year candidates and two two 2-year candid
1-year candidates.
$1-y e a r ~ c a n d i d a t e s . ~$
It is believed that this system will give all authorized organiza tions on campus a chance to sponsor their best man as candi-
date. Also, under this system, no man will be allowed to run for (Continued on page 3)
Debate Group Travels To Wisconsin Contest
Four NDSC debaters and their coach left last night for Wiscon-
sin State Teachers College at Eau sin State Teachers College at Eau
Claire, Wisconsin, where they will Claire, Wisconsin, where they will
participate in the annual speech tournament being held today and Saturday.

Debaters making the trip are Ruth Mortenson, Duane Enger,
John Pancrazt, and Del Hlavinka. John Pancrazt, and Del Hlavinka. Miss Constance West, the debate coach, is accompanying the group to Eau Claire.
The debate topic is "Resolved: That All Non-agricultural Industries Should Set up a Guaranteed Annual Wage for Their Employees". All debaters will be required to argue both sides of the
question during the tournament.

Doug Walstad and Jim Akason for he Bison.
Big John Haas will give the Bison a height advantage at center, being pitted ag
Campbell of the "U".
Each team has an outstanding corer at a forward spot, with Gene Gamache of the Bison and Don Augustine of the Sioux. The ther two forward spots are filled y two former high school teammates, Ken Flynn for State, and
Gene Afseth for Upstate. Both have been consistent scorers over the season.
Neither team is endowed with a strong bench, although the Bison have had good showings from Merin Ludwig, Al Brenteson and Howard Heil during the season. Sylvan Melroe, if in condition to play, may see a lot of action also. Bentson feels that John Haas, who has continued to improve with each game, could well be the big gun for the Bison five. Zek Anderson, playing in his last series, may also be a big help at "enter.
"Our biggest problem in the coming games," says Bentson, "is holding down the University's high scorer, Don Augustin, without weakening our defense at another spot and letting someone else run wild." In season play the Bison have concentrated on team play rather than individual performance, which could be a big factor in the series.

Coach Bentson feels that the Bison are giving up a definite advantage in playing the two home games on the neutral Con-
cordia Fieldhouse floor." The cordia Fieldhouse floor." The home court is usually figured to be worth 10 points for the home team," says Bentson, "and we are giving up that advantage in
playing our home games on the Concordia floor"
The Bison will maintain a Moorh advantage, however, in the Moorhead games, in that they have played three season games Concordia, and plan to get in few practice sessions before

## Question Raised On Holding Series Games At Concordia <br> Tonight opens another series of NDSC-NDU basketball clashes which, we all hope, the Bison will win. With antici- <br> Kampus Klues.. Valentines Include Candy, Flowers

 pation of a series victory, the student body of State would like to see our team have every advantage toward winning their series games.This year, as was the practice began last year, the Bison are scheduled to play their so-called "home games" for the series in the Concordia fieldhouse. Dissention as to this action has been voiced by various student body members. "Why must we go to Moorhead when we have our own court on campus?"

This question rightfully should be asked. There could be one of several reasons, the most logical of them being that the Concordia gym has a seating capacity approximately twice that of our fieldhouse. Consequently, more people will be able to see the games which of course means a larger take at the gate.

This may not be the reason, but if it is it certainly is not one to be belittled. Owing to the already limited athletic fund here, we must recognize any move by the athletic department, financial-wise, is likely a move to bolster said athletic fund. Therefore, before we cast adverse criticism, we need to weigh such reasoning against what may seem so obviously apparent to us.

With this information in mind, let us consider the obvious. The Concordia court is decidedly a hard floor to play on and the Concordia court is not the home floor of our team. So, in effect, all four of our series games will be played on a court that is foreign to the Herd.

In basketball circles playing on your home court is generally considered a ten point advantage. Is it fair to deny our team this advantage when our worthy opponents will have all the advantages of a home court for games this weekend?
It seems that the question to weigh would be: "Does the gain, financially and promotion wise, justify denying our team the home court advantage?" The expressed objective of fielding a sports team of any type is to help promote and publicize the school.

Naturally the best publicity goes to the school with the winning team. By scheduling the all-important university series on the Concordia floor, we are, in some measure, minimizing the chances of our team being in the winner's circle. And in this light we are in effect defeating one of the prime purposes of our athletic program.

We, of course, want a winning team, for with it comes school spirit. We especially want a winning team during the series. With our reasoning in one scale and our sentiments in another, we need to strike some happy balance.

## Country Theater Misques As Greek Membership Included In Play Program

One of the prides of the campus, SC's Little Country Theater perhaps took a mis-step last week when they printed the fraternities and sororities of some of their cast members in play programs. Whether or not this was done in the hope of attracting more interest in productions or to entice more members of the student body into participating in productions is immaterial. It simply seems to be one means of dragging
the social lives of the students into a different phase of their the social lives of th
extracurricular lives.

At the present time there are approximately twenty-six hundred students enrolled at the college and only about seven hundred of these are members of sororities and fraternities. The vast majority, nineteen hundred strong, are members of the Vets Club, Independents, or are unaffiliated. These people were not listed with any organization after their names on the programs for "Juno and the Paycock" last week.

Activities such as the Little Country Theater should have no connection with the social fraternity or sorority or any of its people. Social life should be a thing apart from anything such as the LCT. Basketball players, staff members of the Little International, and production staff members of Blue Key's Bison Brevities don't have their fraternity or sorority placed after their names - why should the Little Country Theater dramatists.

The Little Country Theater is a centralizing influence on the campus community. Anyone with talent should and is welcomed with open arms. Let's not start dragging fraternity and sorority considerations into it. Lots of fur could fly.

By Karen
Roses topped the list of Valentine gifts given to girl friends and sweethearts on the SC campus. Candy as usual, also proved
to be a good stand-by for Valentine's Day. Receiving roses were Joline Well, Theta, from Neil Theta, from Ken Meath, Sig alum; Gloria Lloyd, Kappa, from the Kappa Psi's and also from Paul Irsfeld, Kappa Psi; Jan Kearney, Kappa Delta, from Chuck Huntly, Dig.; Joyce Ericsmoen, Krom Pat Webb, Sig; Mavis Nash, Theta, received candy from Neil Magnus. The candidates for Sig Sweethea
from the Sigs.

## Engaged about a

month
were JoAnn Marquart, Gamma Phi alum, and Gene Gamache, out standing player on the Bison bas ketball team. Also engaged were Veronica Peters, Kappa, and Guy Enabnit, SAE, on Monday evening. Freeman Visits
Guests at the Kappa Delta
house on Monday evening the Social Forum and the popu lar college instructor, Freeman Young. Freeman gave the KD
pledges a little pep talk before dinner.
New actives for the Kappa's are Janice Apperman, Vivian McAuley, Patricia Moore, and Lela Larson. The Kappa's highlighted their initiation festivities with a hi-low scholarship brunch on Saturday morning after initiation.
The Kappa alums and the acive chapter each sent a telegram to the Kappa's in "Juno and he Paycock.
Six Alpha Gams helped the TKE's at an Orphan Party on Valentine's Day. This is a very good idea to have an orphan's party at Valentine's Day when the orphans are not busy with multi parties as they are at Christma ime.

Pinnings
Pinned last Thursday evening were Charlotte Aamodt, Gamma Phi, and Roger Erickstad (alias Laverne Noise) ATO. The ATO's serenaded the couple on Monday evening and pr
with red roses.

Pinned for Valentine's Day was Don Hanson, SPD, and Mari yn Johnson, home ec senior. pinned to Donna Hill from Ender lin.
Two Exchange Supper
Two sororities and frats en gaged in exchange dinners on Monday evening. They were the Gamma Phi's and AGR's and Clso
the Kappa's and Theta Chi's. Thursday afternoon from 4-6, Alpha Gamma Delta entertained the armhouse fraternity.
Let's all make tracks to the university this weekend and spur our
team on to victory. They team on to victory. They have al-
ways played better with rooters ways played
behind them.
An informal get-together after the game last Saturday evening was held at the Gamma Phi Beta ATO, now attending the University of Minnesota.

## THE SPECTRUM



## Tram Under A Rack. .

By "Beetle" Baillie
At the time of publication of the weekly edition of our little Have You Seen LCT Productions?

QUESTION OF THE WEEK HAVE YOU EVER SEEN A PRODE COUNTRY THEATRE

PROUN, OR DO YOU IN ANY WAY SUPPORT THE LITTLE COUNTRY THEATRE? JOHN SCHUMACHER - Junio EE from Bismarck:
"No, I haven't. I'm not too inrested in dramatics. I feel I can pend my time and money to bet-
er advantage."
SUE WHEELER
AAS from Mandan:
AS from Mandan:
"Yes, I have attended them, beentertainment I enjoy. I am sorry more students do not take advantage of
TOM JOHNSON - Junior in Arch. Eng. from Bismarck:
"No. I know that a movie or a play are put on by professionals eeing something well done. Pos ibly the LCT has done well for local group, but they are amateurs. Of course, I haven't seen lay but that's what I imagine. GUY ENABNIT - Senior AAs rom Fargo.
"I've seen three or four of hem and I thought they were ery fine. Probably the reason not more students attend plays is because it takes a certain type of individual to enjoy the theatre, just as certain types enjoy night clubs, etc."
JOAN DEAL
JOAN DEAL-Senior in Retailing from Breckenridge:
"I don't support the theatre much. I would like to see more plays, but I find the dates of productions are conflicting. Perhaps plays could be scheduled on Sun day afternoons or evenings, as a bood means of weekend."
ART LIES-Junior in AAS from Carrington:

I bought season tickets for the past two years but I haven't been one yet, as I usually have conlicts on the dates plays are given. I've heard nothing but
good reports about the plays. I've been here at State off and on for ight years and I vow to see one play before I graduate."

## from Fargo: <br> "Y Fargo

"Yes, I have seen several LCT heatre productions and I would have seen several more except for see I enjoyed very much and would recommend to all students on campus.'
HELEN LARSON - Senior Home Ec. from Fullerton:
Yes, I have. I think most of the plays are well chosen and protheatre as that type of work offers variety from my HE curriculum. Students would enjoys plays if hey'd make it a point to see one or two, or work at the theatre They would find people working in the speech department and on plays are very interesting and unconventional."
DON BACKLEY-Sophomore in Chem from Chicago:
"Well, I've never seen one, mainly because I haven't had time. I am supporting the LCT the Paycock. I have seen minor productions in the past and
greatly appreciated them. It is a great thing for any college student because it broadens his outlook through the fine arts.
ROBERT FRANCIS ZUKLIC Senior in AAS from Chicago:
"I have seen one. I suppose I don't care for plays as a form
will be deep in the wilds of state North Dakota with touring NDSC Gold Star Band, return barely in time to take other trip into the wastelands. Since this weekly item has, necessity, been written far in
vance of its date of publication, vance of its date of publication, it
will deal mostly with intangible fancy, with a smidgeon of lead-pipe-cinch fact thrown in.
Since this weekend of northern journey is one large field day for all campus makers, we see only fit to throw in a few choice prognostications and go out on a limb.
 union somewhere in the vicinity of Hillsboro and Bohnsack, though it might be postponed 't Saturday, or possibly early Mon-
day morning (we'll shape Monday day mor
up yet!)

From all outward appearances, it would seem fairly reasonable
that our much publicized New Toad will make its appeara sometime next weekend
though for a whil though for a whil
seemed a bit shaky.

Enough for the predictions with info like that, who cou ose? On the more concrete on the Rahjah beard growing on the Rahjah beard-growing
test. Preliminary judging for affair will take place at a desi affair will take place at a des house next weekend at about p.m., just before the first vars

## One. On

On the subject of beards, have it straight from the horse mouth, the horse in this case that, although Rack South that, athough challenged se Ol' State, UND's winners will not contest of chin fuzz with contest of
stalwarts.
And we have it off the hat some of the Sioux The Dakota Student" staff ot accept the challenge chelon to the Spectrum's nament, to be held at the Bel and the B. T. Do they feel their beards and capacities not of sufficient quality and with we of the little Ag co downstate? Should get a blas eturn from Sioux E "huckles" Fisher on that one! etizing candidates for UMO honors are to be published where in this week's paper with this in mind, to be dire towrads these "typically An can" looking fellows, remembe your face, you can always your nose. Ish!

## Proposed Senate Election Changes

Continued from Page 1 enate unless he is sponsored by some organization. Organizations which have been orbrized, for the forth oming authorize, are: Veterans Club; Al eha Gamma Delta sorority; Alpha pha Gamma Delta sorority; Alpha
Gamma Rho fraternity; Alpha Tau Gamma Rho fraternity; Alpha Tau Omega fraternity; Farm House fraternity; Co-Op House; Gamma
Phi Beta sorority; Kappa Alpha Phi Beta sorority; Kappa Alpha
Theta sorority; Kappa Delta sororTheta sorority; Kappa Delta soror
ity; Kappa Kappa Gamma sorority ity; Kappa Kappa Gamma sorority;
Kappa Psi fraternity; Phi Mu sorKappa Psi fraternity; Phi Mu sor-
ority; Sigma Alpha Epsilon fraority; Sigma Alpha Epsilon
ternity; Sigma Chi Fraternity; Sig ternity; Sigma Chi Fraternity; Sig-
ma Phi Delta fraternity; Tau Kapma Phi Delta fraternity; Tau Kap-
pa Epsilon fraternity; Theta Chi pa Epsilon fraternity; Theta
fraternity; ISA and non-affiliated. Each of these organizations will be allowed to sponsor candidates in direct proportion to their in direct proportion to their group includes students not belonging to any of the othe eighteen mentioned.

Also, under this system, each student will, as in the past, be allowed to cast twelve votes. However, he may now oniy cast dition, he must cast all twelve dition, he must cast all tweive or his ballot will be invalid and discarded. On this matter, Gion states, 'Every voter shoulld be more than willing to cast twelve votes for separate candidates. I'm sure he would rather use his own iudgment than leav. ing the matter of who his representative in the student government will be to the next guy". "Under this system it is hoped that we will find what we are looking for; equal representation
on the student senate and senaon the student senate and senators that are the choice of the entire student body, not just a small
majority as it has been in the majori
past".


14th seven polling stands will be set up around campus. Winners of the elections will be an-
nounced sometime after $4: 00$ nounced somethe 14 th .

Campaigning on election day his year, as in the past, is prohibited. Also, posters will be limited to areas within buildings that will be designated as such. No posters will be placed on trees or building. No posters will be placed in windows. No painting of sidewalks or buildings on campus or under campus jurisdiction. Any banner put up will be removed immediately after election. Posters found in restricted area will be removed and discarded.
Also, Gion, in his recommenda tions to the Student Senate, recommends that that minority of the student body that believes in taking posters down, even if they are in the right place, be urged
to stop that practice so that the

## Scouting Fraternity Picks Members, New Advisors At Winter Banquet

Alpha Phi Omega, service fra- Maxim, Milton Matzek, Philip ternity composed entirely of for- Running and Joseph Arquett. mer Boy Scouts, held, on Febru- Initiated as new advisors for ary 8, an initiation banquet at the the fraternity were Thomas SakMemorial Union.
Five new members were initi- $\begin{aligned} & \text { shaug, associate professor of me- } \\ & \text { chan engineering; Dr. Chris- }\end{aligned}$ ted into the service fraternity. tian Jensen, chairman of the They are Robert Eggan, Kenneth Dairy Husbandry Department; Dr. Martin Blake, pharmaceutical chemistry; and Mr. Rollie Quam,
candidates may carry on an ef- an executive member of the Red fective campaign. River Council, Boy Scouts of America.
All the above is a proposed sys- Dr. Walster, former dean of the tem; the Student Senate will vote school of agriculture, was guest on the matter Tuesday, February speaker at the initiation banquet. 21. If approved, the system will be Dr. Walster spoke briefly on the tried on an experimental basis this conservation and care of trees, corporated nito the Student Government Constitution. pus.

## Don't write home for money-write Lucky Droodles!

## Theeassiest 25 youllever make!

A raft of students have already earned $\$ 25$ in Lucky Strike's Droodle drive. By June, hundreds more will. Better get with it. It's like taking candy from a baby.
Do as many Droodles as you want. Send them, complete with titles, to Lucky Droodle, Box 67A, Mt. Vernon, N. Y. Include your name, address, college, and class-and the name and address of the dealer in your college town from whom you most often buy cigarettes.
If we select your Droodle, we'll pay $\$ 25$ for the right to use it, with your name, in our advertising. And we pay for a lot of Droodles that never appear in print! Talk about easy money! This is it!


LONG WALK ON SHORT PIER ON SHORT PIER
Sandy Schreiber
Texas A \& M


$$
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$$

"IT'S TOASTED" to taste better.



Across The Campus From NDAC Open Till 8 p.m. Every Evening

## THE TRUE AND TRAGICAL TALE OF HAPPY JACK SIGAFOOS

Who would have thought that Happy Jack Sigafoos, the boy the sky never rained on, would ever teeter on the edge of a life of crime?

Certainly there was no sign of it in his boyhood. His home life was most tranquil and uplifting. His mother was a nice plump lady who hummed a lot and gave baskets to the poor. His father was a highly respected citizen who could imitate more than four hundred bird calls and once saved an elderly widow. from drowning in his good suit. (That is, Mr. Sigafoos was in his good suit; the elderly widow was in swimming trunks.)


Happy Jack's life was nothing short of idyllic-until he went off to college.
In college Happy Jack quickly became a typical freshmantweedy, seedy, and needy. He learned the joys of rounding out his personality, and he learned the cost. His allowance vanished like dew before the morning sun. There were times, it grieves me to report, when he didn't even have enough for a pack of Philip Morris-and you know how miserable that can be! To be deprived of Philip Morris's gentle flavor, its subtly blended tastiness, its trauma-repairing mildness, its ineffable excellence -why, it is a prospect to break the heart in twain!
Happy Jack tried to get more money from home. He wrote piteous and impassioned letters pointing out that the modern large-capacity girl simply could not be maintained on his meagre allowance. But all Jack got from home were tiresome homilies about thrift and prudence.

Then one day a sinister sophomore came up to Jack and said, "I know how you can get more money from home." Jack said, "How?" and the sinister sophomore handed him a sheet of paper. "For one dollar," said the sinister sophomore, "I will sell you this list of fiendishly clever lies to tell your father when you need extra money."
Jack read the list of fiendishly clever lies:

1. A bunch of us fellows are getting together to buy a new house for the Dean of Men.
2. A bunch of us fellows are getting together to buy a headstone for Rover, our late, beloved dormitory watchdog.
3. A bunch of us fellows are getting together to buy the college a new fullback.
4. A bunch of us fellows are getting together to endow a chair of fine arts.
5. A bunch of us fellows are getting together to build our own space satellite.
For a moment, poor Jack was tempted; surely his father could not but support all these worthy causes. Then Jack's good upbringing came to the fore. He turned to the sinister sophomore and said, "No, thank you. I could not deceive my aged parent so. And as for you, sir, I can only say-Fie!"
Upon hearing this, the sinister sophomore broke into a huge grin. He whipped off his black hat and pasty face-and who do you think it was? None other than Mr. Sigafoos, Happy Jack's father, that's who!
"Good lad," cried Mr. Sigafoos. "You have passed your test brilliantly." With that he gave Happy Jack a check for a half million dollars and a red convertible containing four nubile maidens.

Crime does not pay!
©Max shulman, 1955
The makers of Philip Morris, sponsors of this column, could not agree more. But we'll tell you what does pay - smoking America's gentle more. But we ligarette . . new Philip Morris, of corris!

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## THE SKYLINE

Administration Bldg.
Hector Airport

Stop in for all kinds of mix and party needs THE NORTH STAR ANNEX

## "Dame Fortune", AFROTC Airlift Flies Cadets To Texas

"Dame Fortune" in the guise of $\left\lvert\, \begin{aligned} & \text { AFROTC left this morning for } \\ & \text { military flight }\end{aligned}\right.$ a military flight, has smiled on San Antonio, Texas, where they Air Force ROTC students at
NDSC. Sixty cadets from all ad-
wir foceive a conducted tour of
air vanced and basic sections of

## Student Union Calendar

Monday-Social Forum at Alpha Tau Omega fraternity-6 p.m. Association of College Unions Bridge tournament at the student union
Tuesday-Coed billiards. After all you gals picked up the fine points from Charlie Peterson you should be in good form for the Association of College Unions coed billiards tournament to be played February 28-29. The game room will be open for you to practice from $7: 30$ to $9: 30$. How about all you gals in WAA? Let's have a good turnout.
Wednesday-7 p.m. Chess players gather again to practice for the challenge from the $U$ during the series here. Don't forget we entertain the NDU chess players at this time.
7:30 - Gary Hart continues bridge instruction in the dining room.
Thursday- 5 p.m. Student Union Actviities board meeting in conference room A.

At 8:00 this morning a DC-6B Military Air Transport, aircraft mirrived at Hector Airport fom Mchord Air Force Base, Wash. ington, to fly sixty Air Force ROTC cadets to Kelly Air Force Base, San Antonio Texas The large DC-6B plane is in the 300 MPH class, cruises at 20,000 feet and carries sixty passencers plus crew.
The group will make a con ducted tour of the Military Air Transport terminal at Kelly Air Force Base Friday afternoon. Saturday they will visit Lackland Air Force Base and Randolph Field which are also in the San Antonio
The group departed from Hector Airport at 9:00 a.m. this morning and are scheduled to return to argo tomorrow evening.
Cadet Colonel William Chamberlain, wing commander from Minot, North Dakota, will be in charge of the thirty-seven advanced and twenty-three basic Air Force students who will make the trip. Captains Christianson and Halverson of the

NDSC AFROTC staff will ac company the cadets on the trip. The cadets making the trip are Roger Abbott, Loren Bjornson, Charles Brown, John Burnett, Diemert, Guy Enabnit, Laurence Debretson, Selmer Erickstad Enchael Fogel Thomas Erickstad, MiGary Heidelbaugh Gates, and ary feidelbaugh
George Johnson, Wendell Keller, James Larson, John Larum, Jerome Schaack, Henry Solberg, Richard Strommen, Charles Bartholomew, Delwin Bopp, James Gebhard, Eugene Gross, Arthur Hahn, Kenneth Harmon, Gene Hartman, Wallace Hegg, Ardon Dana Hill. Robert Hermanson, and Dana Hill.
Gary Holthusen, William Hutton, Jerold Isensee, James Lowe Alan Olsen, Ralph Rothfusz, Donald Voracek, James Feeney, James Harmon, Dennis Helgoe, Charles Huntley, Robert Keefer, Delbert Nelson, Dewey Nelson, Duane Paulson, Darrell Reber, and Gary Stadtlander.
Harold Brattland, Max Cramer, Loren Dockter, Joseph Grim, Michael Jordon, Warner Knudson, Eugene Linhart, Clifford Magnuson, Richard Mowbray, Morvis Osdahl, and Bruce Smith

## Six Campus Monsters Vie For APO UMOC Honors



Don Hanson


Tom Radcliffe


Bob Montgomery


Chuck Phillips


Maynard Helgaas


Roger Gebhart

Fargo Forum staff photographers take as many as 15,000 local pictures annually.


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#### Abstract

THE development of a new airplane such as the Crusader, the World's Fastest Navy Fighter, cannot be credited to any one engineer. Each engineer, however, is invaluable because this truly new high-performance airplane is only the final result of the creative thought and teamwork of a large number of engineers.


The individual ideas of each engineer are most important. In aircraft design, the time lag between discovery and the utilization of knowledge is extremely short, shorter perhaps than in any other major industry. The solutions to the most stimulating problems which arise in the industry are frequently dependent upon the daily utilization of new ideas and new knowledge.

The graduating engineer considering his first career decision may choose whether he will enter this field of work - the design of airplanes and missiles - that progresses hand in hand with new discoveries in all facets of science and engineering, or choose a less aggressive industry. Of course, it follows logically that greater and more rapid advancement opportunities lie in a field that does not stagnate, in a field that is bounded by the creative imagination of man alone. At Chance Vought, aircraft design draws capable engineers to positions of greater responsibility in developing new ideas and supervising the additional technical manpower needed to "practicalize" the ideas. Starting salaries are commensurate with education and experience for particular specialization and are also competitive with other industries as well as other companies. Advancement, as one would
expect, is based upon demonstrated performance, not seniority.

The future of the aircraft industry is equal to, if not brighter than, that of other industries. The complexity of modern aircraft and missiles, the investigation of new fields of knowledge as aircraft fly higher and faster, the possibilities of man's further use of science and engineering for conquest of the air in the second half of the 20th century, all emphasize the challenge and opportunity to the young graduate.

We urge the graduating engineer to investigate these opportunities at Chance Vought. He will find a stable, 38-year-old aircraft designer and builder with young ideas, a designer and builder noted for advancing the state-of-the-art of aircraft and guided missile design. He will discover that Chance Vought offers career opportunities, not merely impressive titles, and that he will join an engineering organization that thinks and operates as a team rather than as a random collection of individual engineers.

We have the usual fringe benefits including an excellent graduate study program, group insurance, retirement income plan, paid vacation, sick leave, moving allowance, and numerous paid holidays.

We invite you to discuss your opportunities at Chance Vought with

## H. M. Gaebe

who will interview

B.S., M.S. or Ph.D. graduates of the class of '56
in the Placement Office on
February 23-24
or write: $-\boldsymbol{\text { Engineering Personnel }}$


## Baby Bison Face Tough Papooses; Upstaters Boast of Three High Scorers

By Wayne Worner
tion features a tall front line with face off against a rugged univer- great speed and ability. So far sity frosh squad at Grand Forks shod over all opposition. Especially in the opener of a four game to be noted has been the con series. According to head small tinued high scoring of Monson. Herd mentor Bony Rothrock this Coach Rothrock of SC indicated year's little Sioux are the best up- that the little Bison have been state has boasted in many years.

The Papooses have a steady team with excellent size. Outstanding players include Russ Carlson, a scoring gun from Cando; Big Bill Monson, leading Class $A$ scorer in the history of the loop from Rugby; and Craig De La Barre, allstater from Bismarck last year Pinky Kraft's yearling aggreg
that the little Bison have been
showing excellent spirit and that the games should provide accurate tests of the ability of both squads.
He plans to follow his policy of frequent substitutions and giving each player an equal chance in their initial clash with the upstate villains. He also said that the baby Bison, with its good height should do its best.

Kaiser Issues First Call For Track Enthusiasts
Track season will officially be
gin February 20th," announces Coach Erv Kaiser
The first track meet of the season will be on April 19th at UND, followed by the Jamesrown Relays on April 28th, the Bison Invitational meet on May 5th, the State Collegiate meet on May 12th, and the North Central Conference meet on May 19th. Another meet may be scheduled for May 26th. Kaiser urges anyone intereste in trying out for the track team fieldhouse

CHEMISTRY: Radioactive tracers determine effectiveness of solvent extrac


PHYSICS: X -rays of metals show specific pattern for each material. They are used to identify impurities. Here a sample is positioned for careful analysis


METALLURGY: Rolling uranium strip for fabrication into fuel elements. Stri will be cut to length and further processed before going to reactive coolant.

Sylvania also has attractive openings with similar opportunities for

$$
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\text { Chemical Engineers } & \text { Industrial Engineers }
\end{array}
$$ Industrial Engineers


,....................................................................


Why not make an appointment now through your College Placement Office. to discuss your career with the Sylvania representative when he visits your campus.

## What do CHEMISTS PHYSICIITS and <br> METALLURGISTS do at SYLVANIA?

Sylvania is one of the important names in electronics,
America's dynamic $\$ 10$ billion-plus industry. Where do physicists, chemists and metallurgists fit in? Let's look at the record:

Working as a team, these Sylvania scientists pool their individual contributions to create new products. For example:

IN CHEMISTRY: Development of phosphors, semi-conductors, kinetics of gaseous reactions, ultra-pure materials;

IN PHYSICS: Physical optics, electroluminescence, mass spectroscopy, electron emission phenomena;

IN METALLURGY: Powder metallurgy and the investigation of pure metals and semi-conductors.
From research such as this have come. Sylvania's stacked ceramic tube, the pill-sized germanium transistor, traveling wave tubes, panelescent lighting, atomic reactor fuel elements, advanced weapons systems, and others.
Many Sylvania developments are still unreleased. The public hears of them tomorrow... the Sylvania team developed them yesterday.

Upon graduation, you can take part in these exciting discoveries at Sylvania ...working and exchanging ideas with top men in your chosen field... as a valued team member, learning by doing.
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## T SYLVANIA ${ }^{\circ}$

SYLVANIA ELECTRIC PRODUCTS INC.
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"Out On A Bender"

By Gerry Bender
Gad!! What a life! Sgt. Bilko on TV and I gotta write a sports I love it. (Now will you let go of my arm, Tiger.)
Seems the time has come for all of us "students" at Old State to get the dog sleds out and make the annual trek up to Igloo Yoo. Don't forget to ' pack along plenty of blubber as I hear tell the in the north country.


Had planned to knock out a prediction or two right about here, but complications have set in played on our own home court the prediction would be three out
of four for the Bison. However, with none of the four games be ing played on the home court, pre dicting is tough.
Why are we playing our home games on the Concordia field. house floor? Far be it from this cookie to ludge right or wrong about this deal, but, being a rabid Bison fan, it seems to me that the most important part of this annual series is beating the Sioux. Certainly, it's nice to have the additional seating space, but which is more im. portant. I don't know, you tell me.

It looks as if it is pretty well settled that this years home series games will be played at Concor dia, but let's keep this in mind for next year.

The Four Lads are coming t town! Seems that Mr. Boney is quite a promoter for the baseball team. Glad to see it, as the basketball team has been taking a back seat to other sports for quite some time. Boney tells me that, though their contract doesn't allow them to appear on campus as a group, the Lads may get around that somehow and make at least a short appearance for all of the wide eyed gals on Old State campus. Have your autograph books ready girls.

[^0]
## WHAT'S NEW IN



Semi-classical-Romantic all speeds-

- The Benny Goodman Story
- The Piano Style of Nat 'King' Cole
- Folk Songs of the Frontier By Roger Wagner Chorale

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## Gamache, Walstad Lead Herd Cagers



By Bill Baillie
s the final week of the cage season approaches, we find two names left on our 1955-56 Bison Basketball roster. These two hoopsters, the last pair for our Meet the Team series, need not take a back seat in importance to anyone on the SC club, or, for that matter, to any in the conference. We are referring, of course, to
the two "big guns" in the Herd the two "big guns" in the Herd
attack, Gene Gamache and Doug attack,
Walstad.

Gene Gamache, a $6^{\prime 2} 2^{\prime \prime}$ senior from Lisbon, North Dakota, is the senior member of Chuck Bentson's forward crop. Geno is, at present, the leading scorer for the current cage crew, and was, for a while, the leader in the conference scoring race unbut took him out of the rul but took him out of the run-
ning. ning.
Gamache, a good bet for NCC all-conference honors this year, is the type of ballplayer who can difficult to place him in any set

## Intramural Basketball

## Playoff Dates Set

Intramural basketball playoffs loom as the top intramural even gin Tuesday February 21st, with the top two teams of the four he top two teams of the four
brackets meeting in a double brackets meeting
round-robin playoff.
round-robin play
BRACKET NO. 1

## Theta Thets VTO 2 ATO 2


Wesley Fhi Foundation
Kappa Psi
BRA
BRACKET NO.
Student Body
category. A spring-board jumper,
who high who high jumps for the track team, he is capable of snaring re-
bounds from unsuspecting larger foes, and the snaking, twisting drive-in shots which characterize the play of this Bison stalwart have become common occurrence in Herd games.
An uncanny knack for getting a shot off from the midst of a maze of hostile athletes makes Gene almost impossible to stop, and more than once tis fierce competitor has
scored on "unconscious" shots after having been knocked to the floor.
Altho
Although he has cooled off considerably from his torrid scoring pace of the start of the season, we look for Gamache to have a series of four good nights as the Herd renews its clash with the upstate crew.
As a study in parallels, we have Gamache's counterpart on the Bison squad, Doug Walstad. Thi senior guard, from Moorhead, is the other half of the Herd's top two from last season. Like Gamache, "Dougger" hails from
the immediate NDSC vicinity, givthe immediate NDSC vicinity, giv
ing proof that State need go no ing proof that State need go no
further than its own territory to secure top notch athletic talents
Walstad, who tied with Gamache for Bison runnerup scoring average honors, was a unanimous all-conference choice for this Bison last year, as he pro-
vided the backcourt punch vided the backcourt punch which helped make the State College kids the top team in the conference
Injure season.
Injured during part of the current season, Doug has still been instrumental in the club's wins his pet jump shot from out sin his pe

Known as one of the cooler heads on the Bison team, Doug heads on the Bison team, Doug can usually be counted on to come through with the clutch points at the right moments, and respect by all NCC foes. held in respect by an NCC foes. Dougger teaming up with Merly Ludwig and another all-conference per the stronges thason, give the Herd the stronges tbackcourt punch the
conference has had in several conferenc
seasons.
Chuck Bentson is counting on peak performance and physical condition from Gamache and Walstad to give the Bison a fine chance to really take the Northern Upstarts into camp when the friend
end.

Excuse us. Due to an error, a picture of Gene Gamache is not available this week. Look for a picture of the Bison gun in the paper next week.

## DAKOTA Photo Eng Co.

Bowling dighlights Wahpeton Drubs SC Bowling Squad

By Gordy Teigen
The NDAC Bowling team lost t's fourth straight match when defeated by Wahpeton School of cience 2627 to 2610 . Trailing by he Science team got strike happy and took a 50 pin lead midway in he third counter. The Bison made a strong bid in the tenth frame but fell 17 pins short. Dave Hilling with a 573 led the Bison keglers ollowed by Ted Magnam's 551.
This weekend the bowling team travels to NDU in an attempt to win back the Brunswick Trophy. The match is scheduled for Saturday afternoon at 1:00 p.m. on the NDU Lanes.
The girls picked the wrong nite o compete in the WAA National Mail-O-gram tournament as scores were rather low. June Anderson rolled a 150, Judy Haga 146, Kay McGeary 143, Judy Flaten 137, Jeanine McCullagh 136, and Corinne Johnson a 141.
Results of the NDSC Women's League give College Inn a sweep over Ceres Cafeteria. Union Lanes strengthened its hold on first place with a triple win over Col lege Pure Oil. The Union Barbershop captured the third game to avert a shutout by Skyline Cafe. Schuenle Tops Classic
The Vets Club, paced by Bill Schuenle, scored an easy three game win from the Newman Club. Schuenle opened with a 178 and followed with a $190-201$ for a 569 series. Howard Leshovsky helped the Vets cause with a 522 count on games of 171-184-167. Frank Bosworth's 504 was tops for the Newman Club.
Kappa Psi No. 1 broke a first place tie with SPD by blanking the engineers. Scoring honors were shared by Frank Borchardt 76 and Art Lies with 478.
Russ Harju's 467 led Men's Dorm to a double win over Co -op House. Bob Wright tossed a 192 game to help the Co-op's gather their lone win.
In a low scoring match Kappa Psi No. 2 won a pair from AGR. Cliff Sund came rolling in with third game score of 221 to give te CAEs a single win from the Vets.
The TKE's made it 8 games out of 9 with the Theta Chi five by walking off with a sweep. Larson with a 536 was tops for the vic tors and Ed Tyson pounded out a 516 for Theta Chi
Loren Strangeland finished with a 212 game and 517 series, but received no help as Sigma Chi Hall Bruce Clark hit a 501 and Ed Liebe 480 for Dakota Hall In the top match of the nite the Union won the end games for a double win over challenging Kappa Psi. Ted Magnam with 535 and Lowell Barnum with 498 were FARGO, NO. DAK. high for the pharmics.

## FINE AGED STEAKS HOME COOKING <br> WOOD'S CAFE

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Buy Good shoes - Kooep Them Ropatired
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## CONVENIENT DOWNTOWN TAXISTANDS

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Nick Konen, Pres.

## Bison Split Cage Pair Over Weekend



Go gettum John. Leaping above the crowd, SC's in a shot at the Augustana game last Friday night.

## By Gerry Bender <br> The smallest crowd of the sea- an saw the Bison eke out a $66-56$ <br> the season by a score of $61-54$. <br> Gustavus Stuns Herd

 son saw the Bison eke out a $66-56$ victory over the Augustana Vik-ings Friday night. The Bison had ings Friday night. The Bison had
trouble getting started, and it trouble getting started, and it
wasn't until late in the final period that they moved into commanding lead.
Augustana's Jerry Ihrke took scoring honors for the game with 17 points. Other Vikings to hit double figures were Bruce Haroldson with 15 and Paul Heine with
Big John Haas led the Bison scoring with 15 points. Haas was held down well by Frank Calsbeek in the first half, but scored well when Calsbeek fouled out late in the second half. AI Brenteson again turned in a good relief iob at center when he replaced Has late in the first half. Akason, Flynn, and Gamache added 12 points each for the Bison.
Both teams shot poorly through out the game, especially in the first half. The Bison shot 33 per cent from the field, sinking 23 of 69 , while the vikings potted 18
of 65 for 28 per cent. 65 for 28 per cent
The game was definitely one of he poorer performances for the
 he game, the Bison became the the Augies twice this season. The the Augies twice this season. The Sioux Falls in their first game of

Gustavus Adolphus led most of the way Saturday night to defeat the Bison in a very close game by the score $88-83$.
The opening minutes of the game saw the Gusties take an early lead, which they held until Merlin Ludwig tied the game at 38 all with 5 minutes remaining in the first half.
The Bison threatened time and again in the second half, but the Gusties smothered every threat. The Herd took their only lead of the game at $77-75$ on a pair of free throws by Ken Flynn with 5:46 to go in the game, but the Gusties came back with 10 quick points to regain control of the same.
Bill Patterson and Jim Springer led the Gustavus attack with 28 and 24 points respectively. Jack Colvard and Johnny Patswold contributed 12 points each.

For the Bison it was Gene Gamache with 21 points, followed closely by Ken Fiynn Ludwi. Jhipped in with 14 each and John Haas added 12 each, and Jonn Akason from the autside for the Bison Both terms had an exception. Both teams had an exceptional night in the shooting department.
The Gusties potted 34 of 72 tries The Gusties potted 34 of 72 tries
for 47 per cent, while the Bison hit 46.5 per cent on 33 of 71 .

Looking for the biggest stone, try the gravel pit!!

Looking for the finest Diamond

## Try Martinson's <br> In Moorhead

## NDAC LUTHERAN STUDENT FOUNDATION

 PresentsCHURCH ON CAMPUS

## FESTIVAL HALL

Sundays 11:00 A. M.
Beginning Feb. 19
Arne Kvaalen, Campus Pastor

Campus Cutie


Joan Nelson
This week's living doll of the week is Joan Nelson, former SC Homecoming queen from Milnor. A senior in home eco of Gamma Phi Beta sorority. In of Gamma Phi Beta sorority. In
addition to many other activaddition to many other activ-
ities Joan is commissioner of ities Joan is commissioner of student senator.

FORSALE
For Sale: Nearly new Wilson leather basketball. Call Jean at 6328.

## DEWEY SEZ--

Well, the long awaited is upon us, the Nickel Series, 1956! With it comes many opportunities to Old State (1) to show the U. how
 we feel about a
certain Nickel certain Nickel Trophy which actually belongs here at NDSC, even though yours truly and 4 other campus
"bandits" couldn't "bandits" couldn't get it away from them at homecoming (2) to
show them how ell behaved we are when we go up to their school and how we don't use Buick convertibles for walking upon (3) a good excuse for not having our assignments done for the next couple of weeks.
The campus shop is filling up with spring goodies even faster than you style-conscious NDSC students can snap them up. Sport shirts, both long and short sleeves, polka dots and stripes, are priced from $\$ 3.95$. Springs hats are the new flat tops at $\$ 7.95$ and Ivy League blazer caps at $\$ 2.50$ and up. Repp stripe ties, argyle sox,
and ivy league slax are all new and ivy league slax are all new
and waiting for you at and waiting for you at

## Campus Engineering Honorary Initiates Twenty-Three Men Into Membership <br> THE SPECTRUM <br> NORTH DAKOTA STATE COLLEGE FARGO, NORTH DAKOTA

Twenty-three new members Rodger Ness, Harvey Fiala, Don were elected into Tau Beta Pi, Gronbeck, T. W. Mark, John national honorary engineering Schumacher, Floyd Miller, A. R. society, in ceremonies held last Harju, Robert Brown, Robert week. New members were elected Johnston,

on the basis of distinguished Alan Olson, Darrell Dahlstrom, scholarship and exemplary char- Kent Janssen, Ken Flynn, Sheracter as an undergraduate stu- Kent Quanseck, C. R. Kvern, D. C dent. Three men were selected from $\begin{aligned} & \text { Quick, Otis Lar } \\ & \text { and John Horn. }\end{aligned}$ the senior class. They include and John Horn. Rodney Turnquist, Don Connor, An initiation banquet is planned and Bruce Whidden. $\quad$ before the end of this quarter Twenty new members were when these students will receive elected from the junior year. full membership rights in the They include Ralph Rothfusz, honorary.

# What's doing at Pratt \& Whitney Aircraft 

## Jet Engines Tested

 in World's Most CompletePrivately Owned Turbine Laboratory


Engineers in contral room of one of eleven test cells at Willgoos Laboratory record important characteristics of gas turbine engines in operation.

Located on,the bank of the Connecticut River at East Hartford is a singular development facil-ity-the Andrew Willgoos Turbine Laboratory. Here, behind windowless, thick concrete walls, many types of engineers find a never-ending challenge in the development and testing of advanced aircraft engines.

Test methods used by Pratt \& Whitney Aircraft in their unique laboratory are highly complex. Tests are conducted on full-scale experimental engines at simulated altitudes up to 76,000 feet. Extremely high speed airflow, with pressure and temperature accurately controlled, duplicates speeds as high as Mach 2.75. To reproduce such prodigious flight conditions, extraordinary equipment had to be devised. For example, a 21,500 -hp driving dynamometer supplies the enormous power needed to test jet engine compressors over a range of speeds from 800 rpm to $16,000 \mathrm{rpm}$.

The time lapse between development and production of new engines is reduced considerably by the advanced facilities of the Willgoos Laboratory. An outstanding example of results achieved through concentrated engineering efachieved through concentrated engineering effort and complete research support is the Pratt
\& Whitney Aircraft J-57 turbojet. Today the unchallenged leader in its field, the J-57 is merely the forerunner of greater aircraft engines that will power the preeminent military and commercial aircraft of the future.


Andrew Willgoos Turbine Laboratory where jet engines and their components are explored. Cooling water from the Connecticut River can be pumped through a maze of conduits at the rate of 160,000 gallons per minute - $31 / 2$ times the consumption of a city of half a million people.


B-45 flying test-bed is shown here with an experimental jet engine suspended directly beneath the bomb bay. Its regular engines are idled while in-flight performance of the turbojet is observed and recorded. The perfect complement to the complex ground-testing facilities of the Willgoos Laboratory, the flying test-bed is another vital factor in reducing engine development time

[^1]
[^0]:    Another news flash from Up state Abnormal-Coach Lou Bogan of the North Dakota Sooox wa stellar forward, Don Augustin, in stellar forward, Don Augustin, in little Don was terrific in his floo play, but "only made 18 points".
    -Anyhow, see you all at the Riv

    ## I-M Volleyball Begins

    With the end of basketball sea son in view, volleyball has stepped into the intramural picture. With gone by, we find the AGP', Kapp Psi, Theta Chi, and Student body on top with 2-0 records.
    AGR
    AGR
    Theta Chi
    Student Body
    LSA
    Sigma Chi
    TKE

[^1]:    Giant refrigeration units from which conditioned air is piped to test cells are located in the large central section of Willgoos Laboratory.

