

# The Spectrum

NORTH DAKOTA  
STATE UNIVERSITY  
FEB 28 1961  
LIBRARY

Vol. LXXI—No. 20

North Dakota State University

February 24, 1961

## Honor Society Initiates Thirteen SU Seniors

The NDSU chapter of Phi Kappa Phi honor society initiated 13 seniors during ceremonies in Meinecke Lounge in the Student Union on Wednesday, Feb. 22.

The new members are: Daniel Anderson, AAS; Gary Carlen, AAS; Herman Delvo, Ag; Jerold Gemar, Ag; Phyllis Gill, HE; Merle Hanson, ME; Loren Hill, Chem; Charles Kauffman, AAS; Merrill Lewis, ME; Dennis Peterson, Ag; Philip Peterson, Ag; Eldon Stearns, ME and Mary Wallum, AAS.

Richard Klimpel, Chem sr, was nominated by the chapter to com-

pete for a Phi Kappa Phi Fellowship. Three to five of these fellowships, consisting of a \$2500 stipend, are awarded every year by the national office to facilitate the students entry into graduate study.

The awards are granted on the basis of the candidate's scholastic record, his plans for graduate study and evaluations supplied by his instructors.

Two NDSU seniors have won Phi Kappa Phi fellowships since the program was established in 1933. They were Elinor Johnson in 1941 and Wayne Kessler in 1955.



ONA CARLSON AND BRUCE ANDERSON, co-chairmen of Sharivar, need help filling this list of university representatives for quarter break tours. You can put your name on it by contacting Judi Amoth, tours chairman.

## Sharivar Schedules HS Talks

More than sixty high schools throughout the state have sent requests to the Sharivar Central Committee for NDSU students to come and talk about going to college and Sharivar. Visits will be made to the school during quarter break period.

Sign-up sheets have been sent to the dormitories, sororities, and fraternities. They were also circulated at a meeting of the Independent Students Association. Additional Sharivar brochures and talk outlines will be available Tuesday, Feb. 28, from 2 to 5 p.m. in conference room A of the student union.

At this time students who feel they are not familiar enough with Sharivar will receive complete information on what should be stressed at these meetings with high school students. Students may also obtain the material by contacting Judi Amoth at CE 3-7168. The high school which have requested talks by NDSU students are available through the Sharivar Central Committee or the communications office.

"We cannot overemphasize the need for students to work on this phase of Sharivar. This is the biggest and can be the most effective single publicity item. Through these tours we will be able to contact the majority of high school students throughout the state.

Regardless of the excellence of exhibits and activities on campus during Sharivar weekend, the final success of the event depends on the number of visitors attracted," stated Ona Carlson and Bruce Anderson, Sharivar co-chairmen.

## Take to the Hills, Men of NDSU Coeds Are Taking Up Riflery!

A group of coeds at NDSU is out to prove that Annie can get her gun—and be a crack-shot with it.

They are participating in an extensive riflery program set up under the Women's Recreation Association, according to Captain Ferdinana Barger, riflery coach and assistant professor of military science.

For the first time the year the riflery program is awarding medals to the women for their proficiency. Captain Barger says that the girls are turning out to be such crack-shots that the supply of medals is fast being depleted.

Ten girls have earned medals in the program so far. Three medals and a trophy are awarded for varying degrees of proficiency. Coeds receiving medals were: Diane Moen, Sonja Zueger, pair of gold and silver medals; Dorothy Vorwerk, Mary Handlos, gold; Vera Elness, Marjeanne Tehven, Carren Steffel, Sharon Sylvester, Charyl Gress, Jonie Berg, silver medals; Judith O'Brien is currently working for her bronze medal.

The coeds have earned recognition by the National Rifle Association and scheduled postal meets with three other universities. Postal matches with the University of Wisconsin, Iowa State University and Washington University are set for March.

## Board Names Puppe, Quam and Erickson As Student Publications' Editors

Alyce Puppe, H. Ec. Jr, and Janice Quam, H. Ec. Jr, have been named Spectrum and Bison editors respectively by the NDSU Board of Publications. Myrna Erickson, H. Ec. Jr, was selected news bureau editor.

Business Managers were named as Dave Herstad, AAS soph, for the Spectrum and Loren Stadig, Ag. Jr, for the Bison. The board is still negotiating on photographer selection. All were chosen at a board meeting Thurs., Feb. 16, from applicants who submitted both written oral applications.

All the above positions are salary paid positions set by the board.

The new staff members will assume their formal duties with the beginning of spring quarter, Mar. 13. For the past few weeks the applicants have been in training. They hold these positions for three quarters. Persons interested in working with any of the three staffs should contact the new editors as they will be organizing their staffs in the next few weeks.

The staff selectees will be honored at the annual Board of Publications banquet Saturday, Mar. 25, at the Silver Moon. The banquet is traditionally held to announce the selection and as a token of appreciation for the past year's staff members. Scholarship awards for 'jobs well done' will then be given to staff members selected by the board. The recipients must be underclassmen.

## Have Music, Will Travel

## Band and Choir Set For Tours

### Choir

NDSU's 64-voice cappella choir will leave March 5 and appear in nine states. The choir, currently on its third extended tour, will make appearances in Minnesota, Wisconsin, Indiana, Ohio, New York, New Jersey, Pennsylvania, Illinois and Iowa before returning to Fargo March 18.

It was under the inspiration of choir director Godwin that the group began making extended tours. Godwin, a member of the NDSU faculty for four years, holds a Master of Music degree from the Eastman School of Music. The director was recently cited for his excellent directing by being named an honorary member of the Choral Conductors Guild of America. This organization is composed of top-level directors from all over the nation.

Performances will begin Sunday, March 5 at St. Mark's Lutheran Church in Minneapolis, Minn.

York. The organist of the Zion Lutheran Church in Utica, a sister of choir member Dave Nelson, helped to arrange their appearance there.

Two NDSU 1958 graduates arranged the choir's appearance at the Wesley Methodist Church, South Plainfield, N. J. The students, James Pomeroy and Richard Techmann, are now attending Drew University.

In New York City there will be no concert, giving the choir a free day for sightseeing.

Details are as yet indefinite in Philadelphia but upon leaving the state they will go on to Ohio, Illinois and Iowa. Leroy Anderson, graduate of NDSU in 1960 and director of music at Tompson High School, arranged for the choir's appearance at Tompson, Iowa.

Upon their return home a concert will be held at the First Lutheran Church on Mar. 19.

### Band

From Minnesota they will go to Illinois, Indiana, Ohio and New

NDSU's 65-member Gold Star Band will begin their annual tour

on March 12. Performing in seven cities, the tour will take them to Minnesota, North Dakota and two provinces in Canada, Manitoba and Saskatchewan.

On March 6 they will play at Thief River Falls, Minn., before going into Canada. Their first concert there will be at Winnipeg, Man., followed by Brandon, Man.; Regina, Sask.; and Estevan, Sask. Returning to the states they will perform at Souris and Harvey, North Dakota.

The band, under the direction of William Euren, associate professor of music at NDSU, will present a varied program of standard, contemporary and modern music.

Featured soloists will include Lea Tesh, cornet, and Glenn Bowen, NDSU music instructor, clarinet. Members of the saxophone quartet include Bowen, Sharon Cook, James Froemke and Clinton Munch.



BULLS-EYE! Diane Moen, H. Ec. fr, won a gold medal for her efforts. This co-ed is a member of the NDSU Women's Riflery team out to prove that a woman can excel with a gun.

# Greeks Lose Purpose??

The time has come . . . I'm what some people call a has been . . . When you come back after break you will have a new editor. Looking through old issues of the SPECTRUM . . . probably the most fun paper we put out was after our Name Change victory . . . the paper about which I worried the most was the paper put out during the week of the storm . . . I was snowed in as were many of my staff members. There was one page that was just about left blank. Course, as one of my followers said, "Evanne, why don't you ever leave some blank spaces. We need paper on which to keep our bridge score."

Just a big thanks to everyone who helped me during my term—staff, faculty, friends.

. . . So back to classes.

Before I leave I have just two more items to bring up.

GREEKS . . . I'm a Greek and I'm very proud of it. Sometimes though I get a tish disgusted. I think many times we forget what the real purpose of sororities and fraternities is. We are here to get an education and shouldn't these organizations help toward this goal. Too many times I think they hinder it. Social activities generally over-shadow any intellectual activities they participate in.

This comment I hear all the time—"But we have compulsory study table and stress scholarship." To me this is sick. By the time we get to college we know we have to study and I don't feel we have to record the hours we study for any one but ourselves. Instead why don't they sponsor lectures, or even talk once in awhile about the morning paper news, rather than what they did the night before or the weather.

Of course I'm generalizing but I do think Greeks should take a look at their primary goal.

An unfortunate end result of this stress on social and trophy competition is a feeling of dislike among the different groups—especially fraternities.

LIBRARY . . . I'd like to see the library open until 11 p.m. each night.

## Students Live 'Round'

# New University Dorms Planned on 'Core' System

by Frank Vyzralek

Plans for NDSU's two new dorms, notwithstanding the problems involved in gaining federal approval of the necessary \$1,200,000 loan, are rapidly moving toward completion. In all likelihood contractors bids for the two will be let in the late spring or early summer.

Both Burgum Hall, the proposed new women's residence, and Reed Hall, the new men's dormitory, have been designed under a concept that is new to this part of the country. This is the "center core" system.

Under this plan all service facilities, such as washrooms, showers, laundries, etc., will be placed in the center of the building, with student rooms built completely around this 'core'.

This plan has been adopted with excellent results by several colleges around the country. The halls between the 'core' and the students rooms act as dead air space to greatly reduce the noise level in the rooms.

In another effort to reduce noise in the students rooms, the lounge area will be incorporated in a separate one-story structure

## The Spectrum Asked:

### How much time do you spend in preparation for a final?

Spectrum Photo Interview

By Ray Hendrickson



Dick Bliss  
Ph soph  
Dubuque, Ia.



Kathy Sundseth  
Math jr  
Halstad, Minn.



Norma Opgrand  
HE soph  
Halstad, Minn.



Gary Johnson  
Arch soph  
Crosby, N. D.



Gunnar Unger  
Arch soph  
Mandan, N. D.

I imagine I possibly study on the average about 20 to 30 hours on and off; then the night before I really cut-throat.

You're in the Union, aren't you?

Under what bridge? Ice cream cone? What did you say your mother's name was? Did you say you drive a Ford? Three Miles up on a sky hook, then turn left for one mile. You're really pressing your luck now! Geisha Bubble gum's out of season!

It usually depends on how long before the final I get out of the lab. Then I have to eat and sleep for a few hours so I might get an hour or two to study, if I'm real lucky. Actually, it's not quite that bad. Not quite, I said.

I usually try to base the length of study time on the number of credit hours the course is and on the difficulty a particular course presents. Three study hours per credit hour of course is my usual goal but you know how things like this can go, the day just isn't long enough.

## Examination Schedule

Time for Final Examination	For Classes Using the Following 3 Hour Schedule Patterns
PLEASE NOTE: 15 minute interval between exam periods	
Wednesday, Mar. 1 8:00-10:00	9:00 T Th 1:10 F Sequence or derivation Thereof
10:15-12:15	8:00 M W " "
1:00-3:00	11:00 M W 3:10 Th " "
3:15-5:15	10:00 T Th 2:10 F " "
Thursday, Mar. 2 8:00-10:00	9:00 M W 1:10 Th " "
10:15-12:15	1:10 T Th " "
1:00-3:00	10:00 M W 2:10 Th " "
3:15-5:15	3:10 M W 11:00 F " "
Friday, Mar. 3 8:00-10:00	8:00 T Th F " "
10:15-12:15	2:10 M W 10:00 F " "
1:00-3:00	11:00 T Th 3:10 F " "
3:15-5:15	1:10 M W 9:00 F " "
Saturday, Mar. 4 8:00-10:00	2:10 T Th " "
10:15-12:15	3:10 T Th " "

connected to the three-story main building by an enclosed passageway.

Each room has been designed to accommodate two students, and will include a moveable bed, a moveable desk and a built-in closet.

The architects, Johnson and Lightowler of Fargo, have included in the design, plans to improve the outside appearance of the buildings. This will be done through concrete 'fences' placed in front of the lounge structure and along the sides of the main dormitory building.

Undoubtedly these will be useful and welcome additions to the NDSU campus.

However, our quarrel is with the planning that has located these buildings on the campus.

As originally planned, Burgum Hall was to have been located at the east end of the Mall, between Churchill Hall and the Home Management House. However, a concerted student effort several years ago caused the location to be changed to the area south of Old Main and east of Putnam Hall. This is how plans stand now.

Placing a large box-shaped dormitory structure near such Gothic-style buildings as Old Main and Putnam will do little to enhance the appearance of this campus. In addition, there will be a parking lot area alongside the eastern side of the building, further defacing the appearance of that corner of the 'old campus.'

Reed Hall has been planned for the area between Minard Hall and 12th Avenue North. This will give its male occupants easy access to the Library and Minard. But, here too, we face a problem.

Liberal arts are the keystone of the university. Minard Hall is over fifty years old and has been rearranged several times to accommodate more students. Even so facilities are old and antiquated in many cases.

It has been proposed to move several of the arts and sciences departments into South Engineering when the new engineering building is completed. This will undoubtedly alleviate some of the problems, but here again, we are faced with rehabilitating an already elderly building. This can at best be a temporary measure.

The answer then is a new building, built either as a separate structure or as an addition to Minard. And where would be the most likely place to expand? Right into the area that Reed Hall is scheduled to occupy. Placing a dormitory in this location would, under the circumstances, be entirely inappropriate.

## what's on

Friday, Feb. 24

Play Tryouts—"Pygmalion" 4 p.m. Little Country Theatre  
Dance—Stereo Dance. Memorial Union Ballroom. 9-12 p.m. (\$2.50)

Movie—"Quiet Man" (Four Academy Awards) John Wayne Maureen O'Hara. Newman Club. 8 p.m.

Movies—"Song Without End" with Dirk Bogarde Moorhead Theatre  
"Serengeti" Town Theatre  
"Elephant Walk" and "The Naked Jungle" Grand Theatre  
"The World of Suzie Wong" Fargo Theatre

Saturday, Feb. 25

Snow Shoe Hockey—Winter Week Feature. Pershing Rink. 9-12 p.m. (\$2.00)

Dance—Memorial Union Ballroom. Don Ford. 9-12 p.m. (\$1.00)

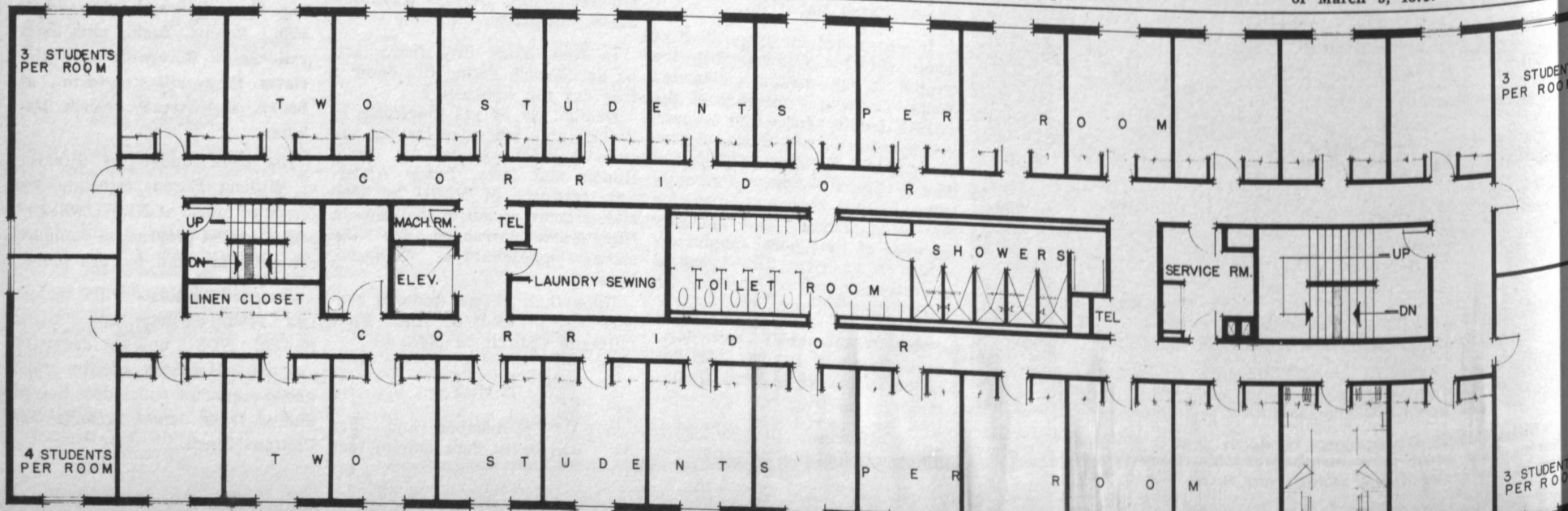
Play Tryouts—"Pygmalion" 4 p.m. Little Country Theatre

Sunday, Feb. 26

Movies—See Friday  
Note: Tuesday, Feb. 28 the F.M. Film Society will show "American Comedy" at MSC in Weld Hall. The two films in this series are "The Bank Dick" and "The Rink" with Charlie Chaplin.

## THE SPECTRUM

The Spectrum is published every Friday at Fargo, North Dakota by the NDSC Board of Publications, State College Station, Fargo, N. D. Entered as second class matter, December 10, 1945, at the Post Office at Fargo, North Dakota, under the act of March 3, 1879.



**Forseth Asks You**

**Should Union Open Sundays?**

by Dean Forseth  
Retiring Commissioner of Student Union

"WHY ISN'T THE UNION OPEN ON SUNDAYS?" I have been on the campus for 11 quarters and have heard this question for the same period of time. So let's try to answer the question objectively.

Recently there has been a new surge of campus opinion concerning the above question. Much of this has come from staff and faculty personnel as well as many well-meaning students. Here follows a summary of their arguments.

- The Union has an obligation to provide eating and entertainment facilities for the entire week.

- A university student doesn't receive the full benefit of his university unless he becomes a full time student. The Union should take the initial steps to interest students toward staying on campus during week-ends.

- The library didn't feel it could be busy on Sunday either, but upon opening they discovered this was very wrong. They are very busy Sunday afternoons now.

- Being open on Sundays would, in the long run, reduce student apathy and make for a better university.

The people representing these views were interested solely in the welfare of the college and showed no signs of pursuing this from a selfish viewpoint. For this reason the Memorial Union Board of Directors which serve four student senators including myself and eight faculty and alumni members, discussed this problem fully at their regular meeting last week.

The Board fully agreed with the proponents of the views previously listed that they offer ideal circumstances. There are, however, a number of reasons why the Union hasn't been open:

- Concerning the responsibility to provide meal facilities for students, Ceres Hall is open on Sunday noons for this purpose and feed only 50-120 people. This is 37% of the student body at a maximum and certainly a financial hardship for Ceres Hall.

The campus church groups have a problem achieving participation in their week-end activities now. If we were to open we could not do so before 1 p.m. and would have to close again by 5 p.m. in order to evade criticism from these groups.

We are presently operating at a loss on Friday evening and Saturdays due to lack of student use of facilities. We have no indication that this would be better (if not worse) than at these times. Of course, we could raise prices during the week to make up for this loss if you so desire.

- An interesting question in this regard would be "Why don't fraternities and sororities serve meals on Sundays?" The answers, I believe, are self-evident.

As far as programming activities for Sunday to increase interest; here again we would be conflicting with church groups. Also, and I apologize for mentioning this, but a number of us find it necessary to study on Sunday and would be unable to participate for this reason.

- The biggest problem is acquiring and maintaining administrative and staff help for this added operation. It isn't simply a matter of opening up the doors. A great, if not impossible, job of re-organization would be necessary. OF THE 25 FULL TIME EMPLOYEES IN THE BISON AND STATE ROOMS, ONLY ONE WOULD WORK SUNDAYS. DO YOU BLAME THEM?

The faculty are presently strongly in favor of opening the union. Yet they have recently nearly completely eliminated Saturday classes. And on Sunday I can't even get into the statistics laboratory in Minard Hall. Isn't this because they don't want to work week-ends? Have you ever checked your instructor's office on Saturday to see if he is there. Very few are, but Dale Brostrom, Union Director, and his staff are here each and every Saturday.

Let's face it, people just don't care to work Sundays. Do you blame them?

In summarizing let me say this. The Board appreciates the comments received and believes that some day the Union will be open every day. (It is open 96 hours a week now.) We feel now, however, that the demand is not great enough and that the financial and organizational hardship are too great to merit such a move.

Your opinion and ideas on this would be greatly appreciated, whether through your senators, the board, or this publication.

Actually, you are the people who will finally decide. It is your Union and operates to serve you. But it cannot serve you when you're not using its facilities. If and when you can show us that you are willing to work and participate to make this thing work, then it will open. Until then, no dice!

**NSF Grants \$30,700 For Research**

Three grants totaling \$30,700 for research at NDSU are part of a nationwide National Science Foundation undergraduate research program.

The grants, announced by NDSU President Fred S. Hultz, are for projects in agriculture, zoology, pharmacy and chemistry.

Dr. J. A. Callenbach, associate dean of agriculture will administer a \$16,750 grant for projects in the first three areas. Dr. Donald Schwartz, associate professor of chemistry, will administer a \$4,210 grant. The third NSF grant went to Dr. Franz Rathmann, professor of organic chemistry.

The grants are part of \$3.2 million made available by the National Science Foundation for its Undergraduate Research Participation program in 250 American colleges and universities.

Undergraduate students will assist in all three NDSU projects. The grants are on a one-year basis, and research will begin this summer.

In discussing the program Dr. Alan T. Waterman, director of the National Science Foundation, said, "Research experience has long been recognized as absolutely necessary to the training of a scientist. It also has been amply demonstrated that research or related experience contributes substantially to the education of many undergraduate students."

**KDSC Accepts Applications**

Applications are now being accepted for the position of Station Manager of campus radio KDSC. Deadline for all applications is Mar. 22. Anyone applying for this position should include qualifications and proposed policies.

All persons interested in applying should turn in their applications at KDSC on the second floor of the Union.

The Commissioner of Radio will interview applicants at a meeting scheduled for Mar. 23 at 4 p.m. in Meinecke Lounge.

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**On Campus** with Max Shulman  
(Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.)

**WORDS: THEIR CAUSE AND CURE**

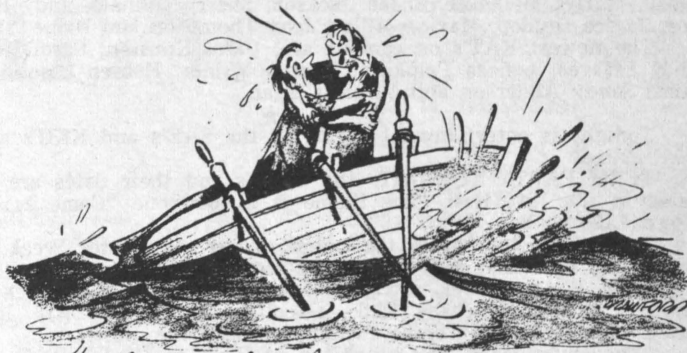
Today let us take up the subject of etymology (or entomology, as it is sometimes called) which is the study of word origins (or insects, as they are sometimes called).

Where are word origins (insects) to be found? Well sir, sometimes words are proper names that have passed into the language. Take, for instance, the words used in electricity: *ampere* was named after its discoverer, the Frenchman Andre Marie Ampere (1775-1836); similarly *ohm* was named after the German G. S. Ohm (1781-1854), *watt* after the Scot James Watt (1736-1819), and *bulb* after the American Fred C. Bulb (1843-1912).

There is, incidentally, quite a poignant little story about Mr. Bulb. Until Bulb's invention, all illumination was provided by gas, which was named after its inventor Milton T. Gas who, strange to tell, had been Bulb's roommate at Cal Tech! In fact, strange to tell, the third man sharing the room with Bulb and Gas was also one whose name burns bright in the annals of illumination—Walter Candle!

The three roommates were inseparable companions in college. After graduation all three did research in the problem of artificial light, which at this time did not exist. All America used to go to bed with the chickens. In fact, many Americans were chickens.

Well sir, the three comrades—Bulb, Gas, and Candle—promised to be friends forever when they left school, but success, alas, spoiled all that. First Candle invented the candle, got rich, and forgot his old friends. Then Gas invented gas, got rich, bankrupted Candle, and forgot his old friends. Then Bulb invented the bulb, got rich, bankrupted Gas, and forgot his old friends.



*"They became fast friends all over again"*

Candle and Gas, bitter and impoverished at the age respectively of 75 and 71, went to sea as respectively the world's oldest and second oldest cabin boy. Bulb, rich and grand, also went to sea, but he went in style—as a first-class passenger on luxury liners.

Well sir, strange to tell, all three were aboard the ill-fated Lusitania when she was sunk in the North Atlantic. And, strange to tell, when they were swimming for their lives after the shipwreck, all three clambered aboard the same dinghy!

Well sir, chastened and made wiser by their brush with death, they fell into each other's arms and wept and exchanged forgiveness and became fast friends all over again.

For three years they drifted in the dinghy, shaking hands and singing the Cal Tech rouser all the while. Then, at long last, they spied a passing liner and were taken aboard.

They remained fast friends for the rest of their days, which, I regret to report, were not many, because the liner which picked them up was the Titanic.

What a pity that Marlboros were not invented during the lifetimes of Bulb, Gas, and Candle! Had there been Marlboros, these three friends never would have grown apart because they would have known how much, despite their differences, they still had in common. I mean to say that Marlboros can be lit by candle, by gas, or by electricity, and no matter how you light them, you always get a full-flavored smoke, a filter cigarette with an unfiltered taste that makes anyone—including Bulb, Gas, and Candle—settle back and forget anger and strife and smile the sweet smile of friendship on all who pass!

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Another peaceful smoke from the makers of Marlboro is the brand-new unfiltered king-size Philip Morris Commander. Try one soon and find out how welcome you'll be aboard.

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"Where Quality and Thrift go Hand in Hand."



By Donna Helbling

Words running through my mind—spring fever—picnics—bermuda shorts—finals—finals—finals!! Wish those last three thoughts could be eliminated.

TEKE PHIL ROESCH was honored as the "Ugliest Man on Campus" in the Union Ballroom Saturday night. Phil succeeds Teke brother Jerry Lingen—does this ugliness run—better not say. . .

Now that the beard judging contest is over the men on campus again look like students instead of followers of Fidel C. Trophies—drinking mugs—were won by Harry Neameyer, most unusual; A. P. Retzlaff, shaggiest; George Baker, best trim and Dennis Kaldor, best try.

ACTIVITIES THIS PAST week—SPD-KD and KAT-FarmHouse Monday night dinner exchanges—Teke-Alpha Gam entertainment Tuesday evening and KAT-SPD entertainment Thursday evening.

Never saw such fun as the Snow Pie Throwing Contest held on Thursday in conjunction with SUAB Winter Week. Three of the BMOC—Al Hart, Wayne Hamann, John Kocourek—provided excellent targets!!

A college student is one who enters his alma mater dressed in green and emerges as a senior dressed in black. The intermediate process of decay is known as college education.

PINNED are ATO John Roden and Pat Wester of Concordia. The Kappa Psi's serenaded and gave roses to Donene Sorenson of the KKG house in honor of her engagement to brother Jim Clow.

A shiny new sparkler is on the third finger left hand of Cheryl Gress, Alpha Phi. The giver of the gift is AGR Rich Palmer.

BEST WAY for a girl to keep her youth is not to introduce him to anybody.

New initiates of Alpha Gamma Delta are; Carol Fryhling, Pat Sloan, Marlys Melhouse, Susan Jackson, Sherry Quinald, Judy Bredeson, Janice Dunlop, Maxine Miller, Jean Thompson and Diane Aherin.

The newest KAT's on campus are; Carol Knutson, Carol Nelson, Judy Erjavec, Lenora Peipkorn, Larna Wilner, Kaaren Olson, Mary Hinz, Sandy Anderson and Virginia Egan.

Tonight is entertainment night for the SAE's and KKG's at the SAE house.

TERM PARTY TONIGHT—the Co-op's and their dates are gathering at the K.C. Hall. The theme is a good one "Come as What You'd Like to be."

Dance at 9 tonight in the union as part of Winter Week. The music will be stereo records and the fee a small 25 cents.

More Winter Week activities tomorrow—Snow Shoe Hockey at noon at Pershing Hockey Rink—all-college dance at 9 p.m. in the union with Don Ford Combo swingin out with the music.

"The Quiet Man" will be shown at Newman Center Friday at 8 p.m. The movie stars John Wayne and is worth the time of you movie fans.

The Kappa Psi's will swing tomorrow night at their term party at the Moorhead Country Club. Time—6 p.m.—theme "Cos-tume Ball".

## Tau Beta Pi Initiates 14

Fourteen junior and senior engineers have been named to the NDSU chapter of Tau Beta Pi, national engineering honorary. Selection was made on the basis of scholastic honors, and demonstrated ability in engineering and citizenship.

The new members include Charles Archambault, Brian Trambley, Albert Kemmer, Frank Soltis, Daryl Davenport, Rodney Beistad, Mike Gebbart, Floyd Patterson, Paul Gunderson, Duane Haukebo, Barry Johnson, Curtis Neumann, Jon Bredeson, and Lowell Schellack.

## Students Trek To Acapulco

Eight NDSU students will say adios to unpredictable North Dakota weather on Mar. 3, as they depart for a trip to sunny Mexico.

They are Jim Bergeron, Carl Larson, Darryl Dittmer, Bill Brown, Sherwood Peterson, David Dittmer, Herman Schatz and Arnold Nestegard. All are members of the Alpha Gamma Rho fraternity.

Traveling in two cars, the group plans to spend the week of quarter break touring the land south of the border. They plan to visit Monterey, Mexico City, Acapulco in Mexico and Las Vegas, Nev.

According to Larson, the eight estimate a cost of about \$100 each for the 6,000 mile trip.

## Newman Shows Movie

The movie "The Quiet Man", starring John Wayne, will be shown Friday, Feb. 24 at 8 p.m. at the Newman Center. Sunday dinner will be served at 5:30 p.m. for all members of the Newman Club.

## Brooms, Balls Clash

# Hockey Climaxes Week

Old broom sticks and rubber balls will clash at an interfraternity overshoe hockey game to climax Winter Week at NDSU, according to SUAB president, John Korcourek. The game will take place at Pershing Field tomorrow, Feb. 25 from 12 to 5 p.m.

Tonight Feb. 24, a stereo dance will be held at the Union ballroom from 9 p.m. to 1 a.m. Winter sports equipment, like that used at the Olympics, will be on display.

## Dance—Saturday

Another dance is set for tomorrow night in the Union. The Don Ford combo will provide music from 9 to 12 p.m. Both dances are open to the public.

Other events during Winter Week sponsored by the Student Union Activities Board, were a movie and dance in the Union Feb. 20. An intercollegiate bridge tournament was held Feb. 22. NDSU scores were sent to Morgantown, West Virginia, where they will be ranked with results from other colleges and universities throughout the country.

## Pie Throwing

Wayne Hamann, Al Hart and John Korcourek were on the receiving end of snow pies thrown by students on the campus mall.

Students planning Winter Week include John Korcourek, SUAB

president, Larry Kana, Wilda Bridgeford, Bob Mann, Toni Woodmansee, Jon Johnson, Marlys Dietrich and Bonnie Larson.

## Governor Guy Will Be Honored

North Dakota's Governor William Guy will be presented with a diamond studded pin in recognition of his achievement in politics by the Sigma Alpha Epsilon fraternity at the annual Founder's Day banquet Sunday, Mar. 12.

Governor Guy is a graduate of NDSU. While in attendance he was a member of the North Dakota Beta chapter of SAE.

Presenting the pin to Gov. Guy will be Howard P. Falls, national president of SAE. A graduate of the University of Richmond in Virginia, Falls has held every prominent position of SAE prior to his election to his present office.

This is the first time a national president of SAE has visited the NDSU campus.

Reunion of the alumnae and initiation of new members will also take place.



For those evening snacks

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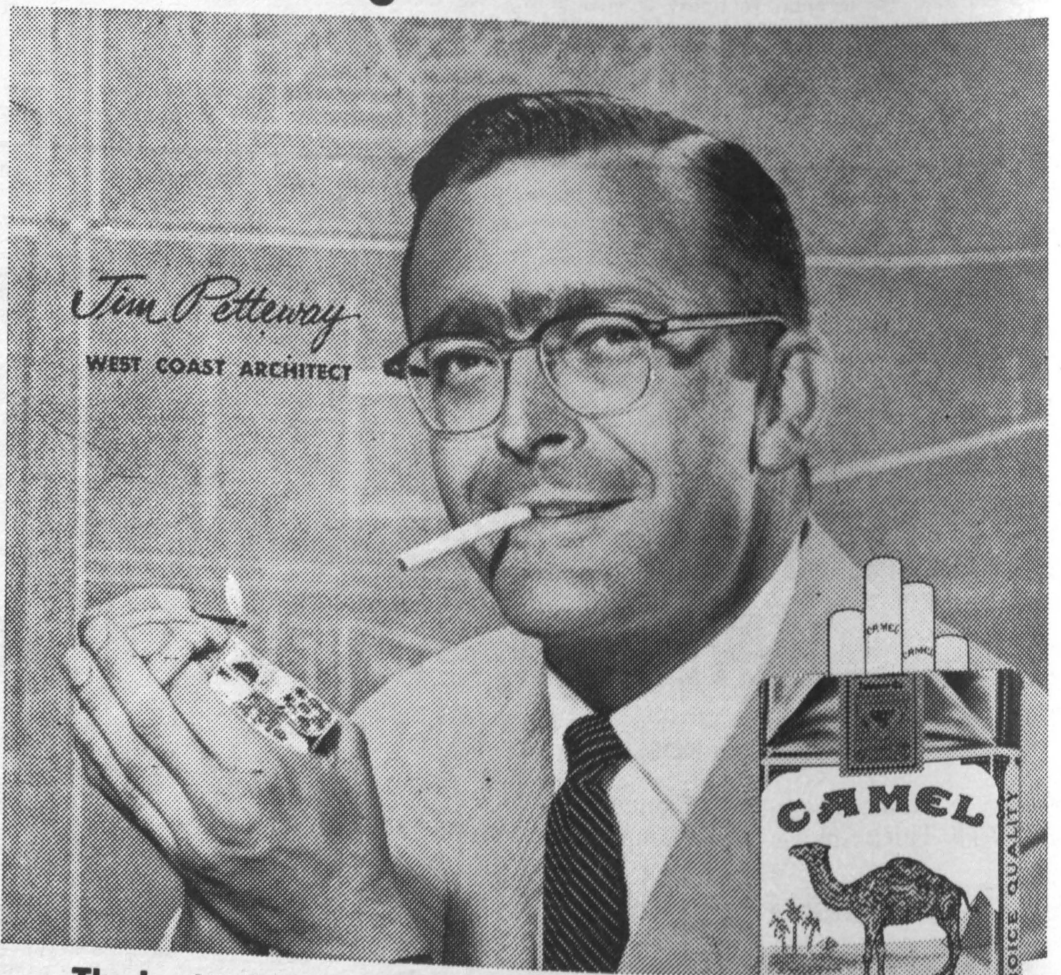
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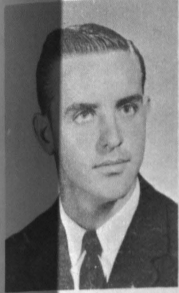
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# NDSU Groups Name Officers

AGR

Donovan Eck, Ag soph, was elected president of the Alpha Gamma Rho fraternity.



Others elected to office are: Glenn McCrory, vice president; Dennis Johnson, secretary; Sherwood Peterson, treasurer.

Wally Nelson, pledge trainer, Marlo Brackelsberg, alumni secretary; Richard Clemenson, chaplain; Gene Wyman, usher; Delmar Kramer, reporter; David Dittmer, social chairman.

LSA

Lowell Christianson, EE soph, was elected president of the



Bentson, treasurer. Other officers are appointive.

TKE

Robert Botton, Eng sr, was elected president



Lutheran Student Association.

Other officers elected were: Marjorie Odegard, first vice president; Jim Trangsrud, second vice president; Carol Bentson, treasurer. Other officers

of Tau Kappa Epsilon international social fraternity.

Other officers are: Harold Korb, vice president; Ray Jutila, secretary; Jim Olin, treasurer; Bob Matejcek, historian; Ray DuBois, chaplain; Ed Mans-Ron Olson, social chairman;

Art Meier, chaplain; Curt Neumann, pledge trainer.

Jerry Tastad, assistant pledge trainer; Harley Horsager, assistant treasurer; Ed Spohr, assistant historian; Ron Bardal and Duane Lawrence, housemanagers.

KAPPA PSI

Elected president of the Kappa Psi fraternity was Peter Otte, Ph jr.

Other officers elected were: Jim Russ, vice president; David Kraft, secretary; J.D. Johnson, treasurer; Mike O'Toole, social chairman; Sam Phillips, pledge trainer; Arlen Berger, rushing chairman.

Don Dossier, historian; John Stutsrud, corresponding secretary; Ray DuBois, chaplain; Ed Mansfield, house manager; Jim Irsfeld, professional chairman;

## Meet NDSU's Ugly Man



Phil Roesch smirks at THE SPECTRUM cameraman after being congratulated by Gene Nichol森, A Phi O prexy, on winning the title of "Ugliest Man On Campus." Mary Walrath, representing Kappa Alpha Theta, Roesch's sponsoring sorority, seems to be enjoying the ceremony.

## Roesch Wins UMOC Title

Phil Roesch was named the Alpha Phi Omega-sponsored UMO C dance Saturday, Feb. 18.

Kappa Alpha Theta, Roesch's sponsoring sorority, together with the Tau Kappa Epsilon fraternity raised over \$290 during the week-long contest. According to Gene Nichol森, A Phi O president, "This year Greek organizations raised more than \$800 for the crippled children."

The winner of the contest is picked according to the amount of money that is deposited in his collection box. Each penny is counted as one vote. The funds go to the Crippled Children's School in Jamestown.

Roesch received an engraved cigarette lighter for his efforts. He also accepted a traveling trophy which is given to the winning Ugly Man's fraternity, Tau Kappa Epsilon.

Mary Walrath, sorority chairman, received the Ugly Man plaque for her organization.

According to Nichol森 nearly all A Phi O chapters throughout the United States sponsor Ugly Man contests. However, he stated, it is doubtful whether any other campus has ever raised as much money as NDSU has this year.

## Band Sorority Pledges Eight

The women of Tau Beta Sigma, national honorary women's band sorority, initiated one new member and pledged eight others in ceremonies Sunday, Feb. 19.

Initiated was Beverly Elznic, AAS soph.

Lois Condit, HE fr, Judy Fossum, Phar fr, Susan Hofstrand, HE fr, Suzanne Jenson, AAS fr, Marilyn Johnson, Chem fr, Carole Nelson, HE fr, Marla Robberstad, AAS jr, and Kathleen Thomas, Phar fr, were pledged.

The chapter is currently working with Kappa Kappa Psi, national honorary men's band fraternity, in making name tags and music labels for use during the upcoming band trip.

# 562 PROGRAMS, PROJECTS & STUDIES AT HUGHES

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- 3-Dimensional Radar
- Air-to-Air Missiles
- Space Propulsion Systems
- Tunnel Diodes
- Infrared Devices
- Satellite Active Repeater Development
- Wide Band Scanning Antenna Feed Systems
- Microwave Antennas and Radomes
- Guidance and Navigation Computers
- Satellite Communication Systems
- Satellite Reconnaissance Drone
- World-Wide Communications Networks

- Command Control and Information Processing
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- Gamma Rays
- Nuclear Fission
- Remote Handling Devices
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- Electroluminescence
- Solid State Display Devices
- Terminal Communications
- Line-of-Sight UHF and VHF Relay Systems
- Air Traffic Regulation and Landing System
- Pincushion Radar
- Logi-Scale General Purpose Computer
- Radar Closed Loop Tester
- Missile-Range Ship Instrumentation
- Precision Trajectory Measurement System
- Space Vehicle Subsystems
- Telemetering Systems
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- Inertial Missile Guidance Systems
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March 7, 1961

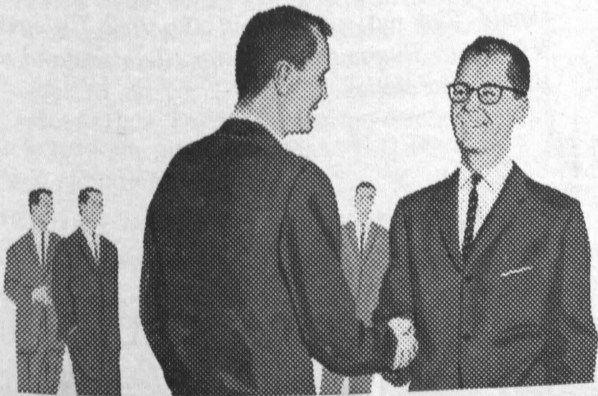
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# Chemists Prepare Photomicroscopy Study Many Research Grants Open to NDSU Students

If any of you aspiring photographers think you have trouble with variable light, focus or correct lens openings, you can sympathize with the problems of two Chemistry juniors. The pair, Lynn Airheart and Ray Hendrickson, are currently engaged in a project called "Photo Microscopy."

In less technical terms, it is the photographic study of organic and inorganic compounds with the use of a microscope. It is not to be confused with microphotography, which is the photographing and condensing of material on microfilm, such as a page of THE SPECTRUM on 35 mm or smaller film.

The project they are working on involves the study of organic compounds and the synthesis of certain 'urethane' compounds. The urethane compounds under study have thixotropic properties. That is, they have the tendency to thicken when they are treated with appropriate solvents.

Urethane foam, commonly called foam rubber, is an example of a urethane compound. These urethanes are used in a wide variety of industries including the drug, paint and plastic industries.

The two take photographs of these various urethanes and then attempt to correlate the crystal structure with the thixotropic behavior of the compounds. If there is a correlation, photomicroscopy can be used as a means of identifying compounds having thixotropic properties.

The project began this quarter and is scheduled for completion by the end of spring quarter. A paper concerning the study will be presented before the North Dakota Academy of Science.

The study is being made under the direction of Prof. Sol. Shulman. Cost of equipment and materials is covered by scholarships.

## Alpha Zeta Adds 15 New Members

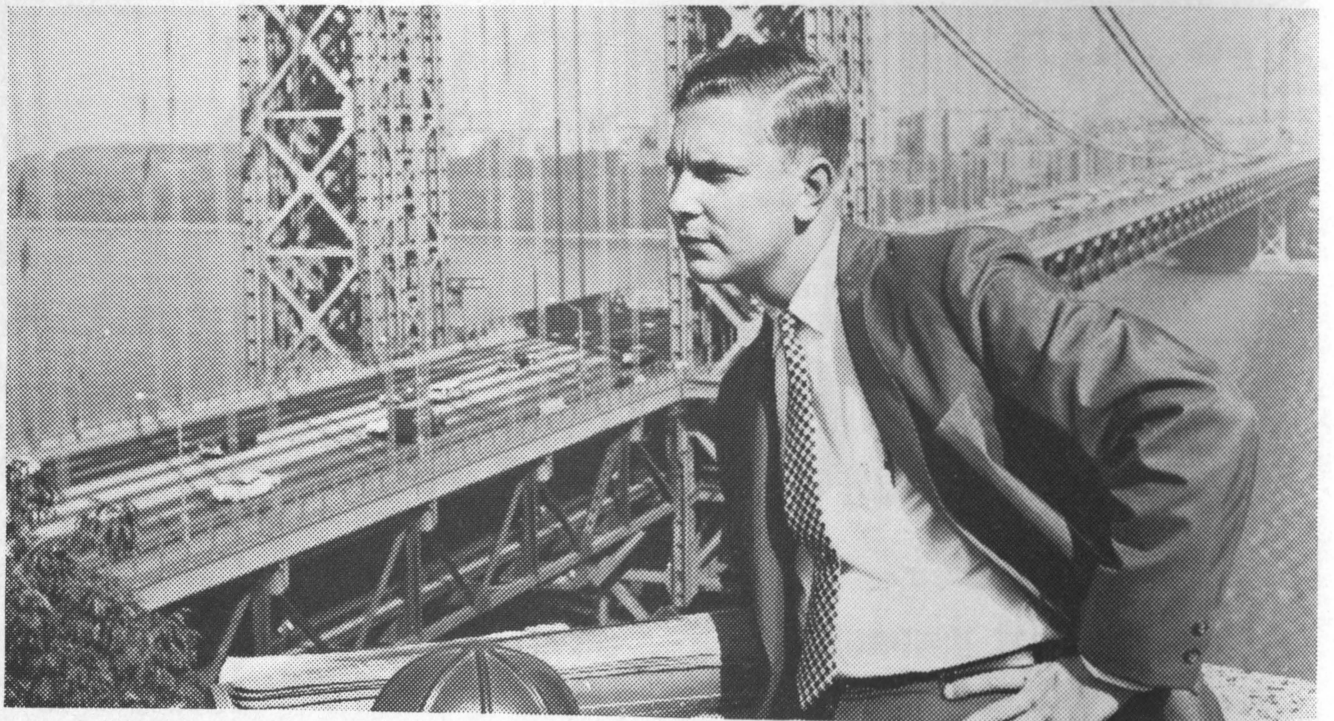
Alpha Zeta, National Honorary Agriculture fraternity, initiated 15 new members recently at a banquet in the Student Union Ballroom.

The banquet included alumni, active members and new initiates. George Pratt, Alpha Zeta's faculty advisor, was the speaker. He explained what Alpha Zeta is, what it does, and what it should mean to the new members. He pointed out that the main purpose of this fraternity was to encourage and develop strong leadership in men connected with agriculture.

Members are composed of men in some phase of agriculture. They are selected on the basis of high scholastic records, along with high qualities of character, leadership and personality.

New members are Arthur Cofing, George Duemeland, Arlin Nordgulen, Jan Peterson, Bill Thompson, John Oster, Edward Saugstad, Ronald Stubbe, Lawrence Hagen, Darryld Kautzmann, Paul Brackelsberg, Herman Schatz, Lloyd Berg, Francis Turgeon, and Ray Kleppe.

**MAD SCIENTISTS???** No, it's Lynn Airheart and Ray Hendrickson examining a print from their chemistry project on Photomicroscopy. The apparatus at right is part of the equipment used in the study.



## THIS YOUNG ENGINEER IS ON THE ROAD TO MANAGEMENT

Dick Cotton knew he wanted to take the engineering route into management long before he joined New Jersey Bell Telephone Company. In fact it was his goal when he was working for his engineering degree at Rutgers.

When he graduated, he had his lines out to eleven other companies. He came to New Jersey Bell because: "I didn't feel I was just a number to these people. There was no doubt in my mind that this job would be the best for the long pull."

His first assignment was a tough one. A complex of major telephone cables lay in the path of the approach to the new traffic level of the George Washington Bridge on the Hudson. Dick's job was to find the most practical and economical way to reroute these cables, and at the same time to provide for future telephone growth in the area around the bridge approach.

Dick ironed that one out and got a crack at another tough job.

Next stop: New Jersey Bell Headquarters Engineering Staff, Special Studies Group. Here

Dick was a member of a four-man team whose job was to find ways to eliminate some of the routine work of field engineers to give them "more time to think." Dick also helped plan and control a \$100,000,000 annual telephone construction budget.

Presently, Dick is responsible for telephone equipment engineering projects in the Camden, New Jersey, area.

How does Dick look at it? "This is a growing business. I work with this growth every day. And growth means more room at the top. Of course, I don't figure I'll get there overnight—but on my jobs so far I've had a chance to take a good look at how this business is run. And I think the sky's the limit for a man who really wants to work for it."

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# Newmanites Pick Kennedy Sets the Style Schann & Harbake Staters Shun Winter Hats As Representative

Dennis Schann and Marlene Harbake have been recently awarded the title of "Mr. and Miss Newmanite of the Month."

The two Newman Club members received this award on the basis of their active and unselfish participation in the club.

Schann, ME soph, is a member of the NDSU Coop House. He was chosen for this award mainly on the basis of his regular attendance at all of the religious services sponsored by the Newman Club.

Marlene Harbake, AAS fr, has participated actively in all Newman Club functions. She did much of the decorating for the dances and parties sponsored by the club.

Have you ever wondered how your fellow students could run around campus in sub-zero weather without catching a first class cold? Or are you one of those who can tolerate these extreme temperatures bareheaded.

Several students on campus were asked their opinion on this subject.

"The new generation just don't wear head gear," said Diane Rutherford, H Ec soph. "When President John Kennedy took office, they made a lot of publicity about his not wearing a hat. A young president sets a new standard!"

"It's really up to the individual. I go without a hat myself, but I don't have a tendency to catch colds. I don't mess my hair up either," said Howard Metelmann, Ag Eng soph.

"Stocking caps are hideous, but there isn't anything else to wear that's warm," said William Marlow, AAS soph.

"Maybe they've got pretty hair and want somebody to see it," said Thomas Fitzpatrick, Ph jr. "I think there are some well designed caps that actually improve the looks of the individual. I always wear one."

"The girls don't want to mess up those fancy hairdos," said Gayle French, AAS soph. "Or maybe they're took broke to buy one!"

"Hats are just one more thing to find a place for in the class room. If it gets cold enough everyone will have to wear one," said Donald Brenner, Chem sr. "No sense putting yourself to undue torture unless you have to."



DENNIS SCHANN AND MARLENE HARBAKE dish up chow for their fellow Newman Club members in the kitchen of the Newman Center. They were chosen "Mr. and Miss Newmanite of the Month" recently in honor of active participation in club functions.

## SU Grad Advises Indonesian Farmers

With the help of a group of American agricultural extension specialists brought in by the United States International Cooperation Administration, Indonesian farmers are producing more food for the country's 88 million people.

One member of the American group is NDSU graduate Stanley D. Samuelson who is an ICA area extension adviser in Central Java.

After receiving his B.S. degree at North Dakota State University, Samuelson worked for the U.S. Soil Conservation Service. He joined the ICA in 1957 as an extension trainee and was sent to India, where he received intensive on-the-job training for one year in agricultural extension methods. In 1958 he was transferred to Indonesia, where his work soon won him recognition and he was promoted to area extension adviser for Central Java.

The efforts of the American specialists are beginning to pay off in higher yields of rice and corn—the basic food crops of Indonesia. In areas where farmers have adapted new production practices, such as the use of improved seeds, pest and plant disease control, better irrigation, the use of commercial fertilizers and soil building practices, crop yields have frequently been more than doubled.

Nearly 1500 Indonesian agricultural leaders have received intensive training in modern agricultural practices. Through lectures, visual aids and field demonstrations, Indonesian extension agents have learned how to replace outmoded farming practices with new improved ones. They in turn have held follow-up workshops in their own areas for some 4,000 village extension workers who work directly with the farmers.

The original recordings!

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A COLLECTOR'S ITEM

LUCKY STRIKE

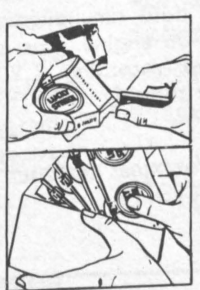
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- DUKE ELLINGTON *Mood Indigo*
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To get "Remember How Great" album, enclose and mail \$1.00 and 10 empty Lucky Strike packs, together with filled-in shipping label. Please print clearly. Orders received after May 31, 1961, will not be honored. If sending check or money order, make payable to "Remember How Great."

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## Four Army ROTC Cadets Receive DMS Awards

Four senior Army ROTC cadets were designated Distinguished Military Students at a military ceremony Thursday, Feb. 16 in the Fieldhouse.

They are Cadet Lt. Col. Roger Lutz and Cadet Captains Daniel Anderson, John Kocourek and Jerald Stockman.

The awards were presented by Lt. Col. Joseph W. Mitchell, professor of military science at NDSU.

The awards are given in recognition of leadership ability, academic achievement, military proficiency and outstanding traits of character.

## MSC To Feature Twain Readings

Hal Holbrook, in "Mark Twain Tonight," will appear at Moorhead State College Saturday, Mar. 11, at 8:15 p.m. in Weld Hall auditorium. "Mark Twain Tonight" is a reading from works of the American novelist and humorist by 34 year old Holbrook.

Holbrook has impersonated Mark Twain since 1953, when a nightclub act was begun. In 1956 he began national solo concert tours of "Mark Twain Tonight," and has appeared on television shows of Ed Sullivan, Steve Allen, and Jack Paar.

In May, 1958, he was featured as Mark Twain on a "Wide, Wide World" telecast entitled "The Sound of Laughter," which also featured Bob Hope, Steve Allen, and Dave Garroway. His solo show, which appeared on Broadway in the spring of 1959, received the best reviews of that season, and had sold-out performances each evening.

Holbrook has had extensive experience in a number of dramatic groups, including summer stock, repertoire, radio, and television companies. For several years he has performed on the CBS daytime serial, "The Brighter Day."

The character Holbrook portrays has long been one of the most popular of American writers. Since Twain's death in 1910, lovers of American literature and humor the world over have kept his memory alive through wide circulation of his writings.

In addition to such well-known novels as *Huckleberry Finn* and *Tom Sawyer*, Twain also wrote travel books, autobiographical and semi-autobiographical books, and many classic short stories.

Similarly, Holbrook's portrayal of Twain covers different facets of Twain's writings. Although Holbrook does not commit himself before an appearance, his show does include such well-known stories as "The Celebrated Jumping Frog" and "Buck Fanshaw's Funeral," and also includes many lesser known items, such as excerpts from *Following the Equator*, *Innocents Abroad*, *A Tramp Abroad*, and Twain's speeches.

In addition to those present at the ceremony, Cadet Lt. Maynard Iverson was also named. Iverson is presently practice teaching in Devils Lake.

The designation of Distinguished Military Student offers the cadets named the opportunity of applying for a commission in the Regular Army.



SENIOR ARMY ROTC CADETS Roger Lutz, John Kocourek, Daniel Anderson and Jerald Stockman stand at attention as they receive their Distinguished Military Student awards from Lt. Col. Joseph W. Mitchell, professor of military science at NDSU. The awards were made at a ceremony in the Fieldhouse recently.

# What would *YOU* do as an engineer at Pratt & Whitney Aircraft?

Regardless of your specialty, you would work in a favorable engineering atmosphere.

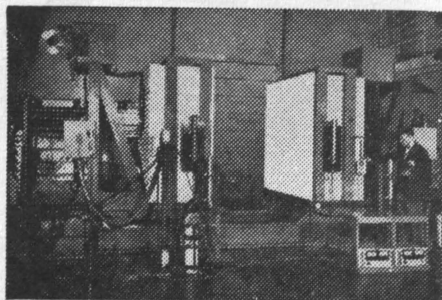
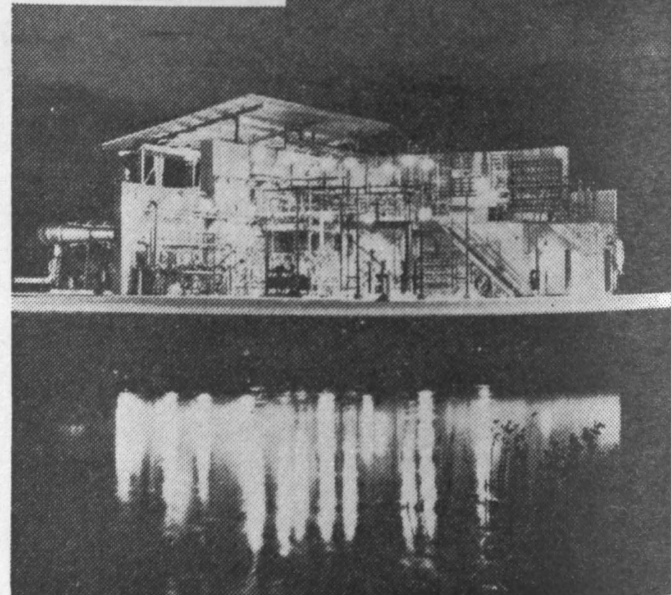
Back in 1925, when Pratt & Whitney Aircraft was designing and developing the first of its family of history-making powerplants, an attitude was born—a recognition that *engineering excellence* was the key to success.

That attitude, that recognition of the prime importance of technical superiority is still predominant at P&WA today.

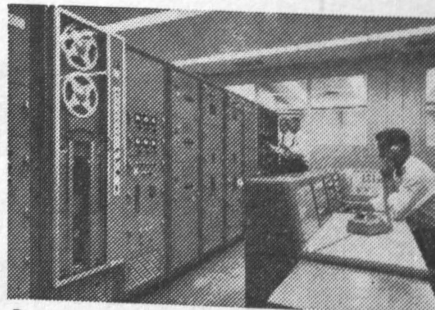
The field, of course, is broader now, the challenge greater. No longer are the company's requirements confined to graduates with degrees in mechanical and aeronautical engineering. Pratt & Whitney Aircraft today is concerned with the development of all forms of flight propulsion systems for the aerospace medium—air breathing, rocket, nuclear and other advanced types. Some are entirely new in concept. To carry out analytical, design, experimental or materials engineering assignments, men with degrees in mechanical, aeronautical, electrical, chemical and nuclear engineering are needed, along with those holding degrees in physics, chemistry and metallurgy.

Specifically, what would you do?—*your own engineering talent* provides the best answer. And Pratt & Whitney Aircraft provides the atmosphere in which that talent can flourish.

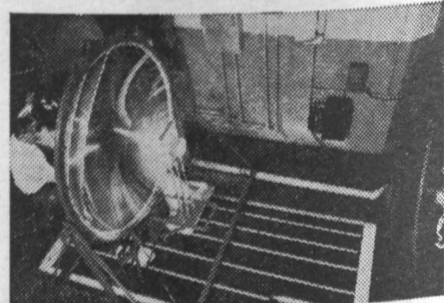
Development testing of liquid hydrogen-fueled rockets is carried out in specially built test stands like this at Pratt & Whitney Aircraft's Florida Research and Development Center. Every phase of an experimental engine test may be controlled by engineers from a remote blockhouse (inset), with closed-circuit television providing a means for visual observation.



At P&WA's Connecticut Aircraft Nuclear Engine Laboratory (CANEL) many technical talents are focused on the development of nuclear propulsion systems for future air and space vehicles. With this live mock-up of a reactor, nuclear scientists and engineers can determine critical mass, material reactivity coefficients, control effectiveness and other reactor parameters.



Representative of electronic aids functioning for P&WA engineers is this on-site data recording center which can provide automatically recorded and computed data simultaneously with the testing of an engine. This equipment is capable of recording 1,200 different values per second.



Studies of solar energy collection and liquid and vapor power cycles typify P&WA's research in advanced space auxiliary power systems. Analytical and Experimental Engineers work together in such programs to establish and test basic concepts.

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## Fee Payment To Be Moved For Monday's Registration; Classes Resume On Tuesday

A new system of one-day registration has been announced by B. Brandrud, director of admissions and records.

This modified registration will be held in the Field House on Monday, Mar. 13 only. Students will register at the Field House and be assessed their fees on the

Field House stage as in the past. Fees will be paid at Festival Hall where the business office will be set up all day Mar. 13 and until noon on Mar. 14.

Classes begin at 8 a.m. Mar. 14 and the late registration fee will be assessed after 12 noon Mar. 14.

Registration on Mar. 13 will take place as follows:

8 a.m. to 10 a.m. — Seniors, Graduate Students

10 a.m. to 12 noon—Juniors

1 p.m. to 3 p.m.—Sophomores

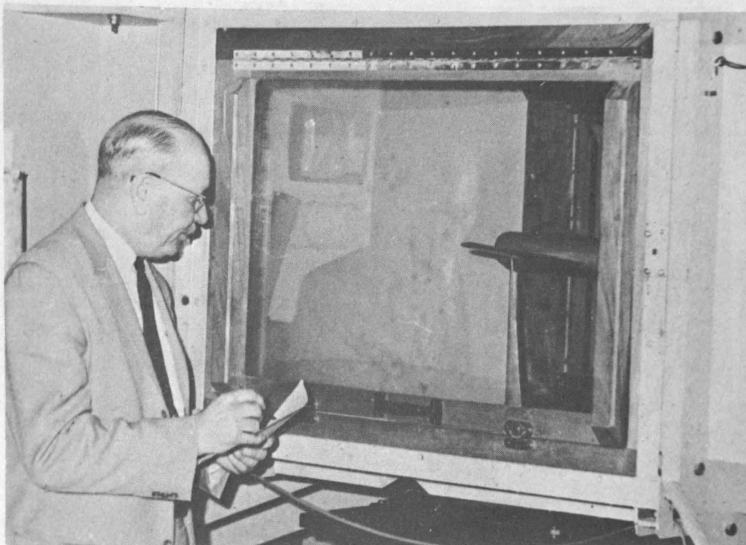
3 p.m. to 5 p.m.—Freshmen

### Vets Can Get Checks

All veterans drawing GI benefits are reminded to sign for their February checks in the Office of Admissions and Records in Old Main on Tuesday, Feb. 28.

### Big Blows Begin

## Wind Tunnel Shows How Planes React



PROF. A. W. ANDERSON, chairman of the mechanical engineering department, demonstrates the aero laboratory wind tunnel used for testing characteristics of airplanes.

A big wind comes up regularly at NDSU when the aero laboratory wind tunnel goes into action.

The tunnel, used in aeronautical engineering classes, generates air velocities up to 150 miles per hour for testing characteristics of airplanes. A small scale model located inside the 50-foot-long tunnel demonstrates how a plane reacts in the high winds.

#### Only One in State

Lamber Vogel, assistant professor of mechanical engineering, explained the tunnel's operation and said it is the only one in the state.

"The tunnel generates an atmosphere such as might be produced by an airborne low-speed craft. With the tunnel, the air moves and the plane is stationary, but the effect is similar to what would happen if the plane itself were moving."

The air speed is generated by a six-foot steel propeller driven by a 75-horse power motor located at one end of the tunnel. When the big motor is switched on a loud whine resounds in the laboratory.

#### 100 Degree Temperature

The tunnel is curved at each end, so that the air travels in a circular motion down the bottom section and back through the top. By the time the wind's been blowing for about an hour the temperature rises to about 100 degrees, so that the tunnel might almost be used as a gigantic clothes dryer.

Vogel uses the giant apparatus in his wind tunnel testing class, a senior course in aeronautical engineering.

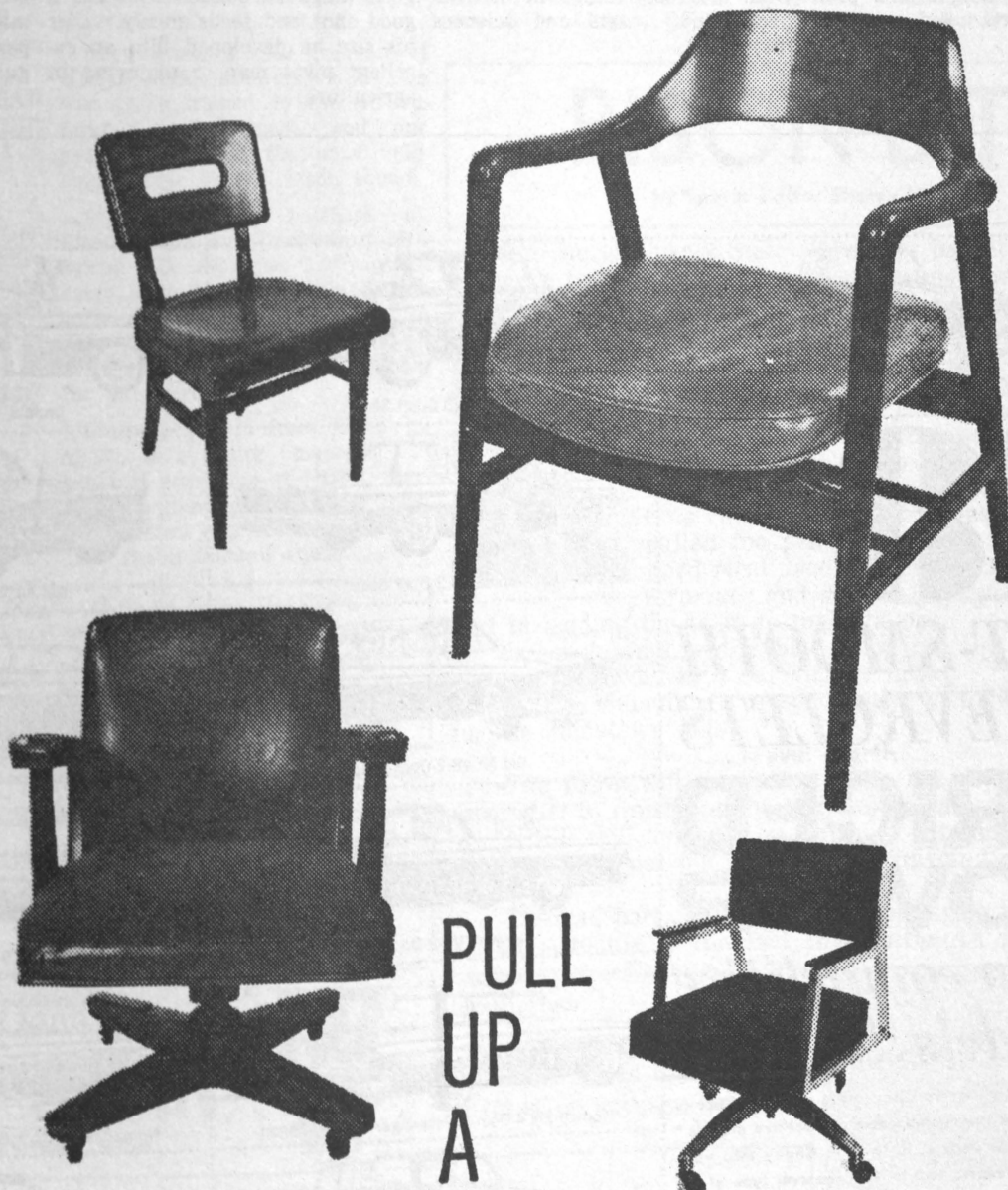
## AEC Finances SU Students' Physics Trip

Four physics students at NDSU left Tuesday, Feb. 21 for a three-day visit to the Argonne National Laboratory near Chicago. At the laboratory they will study a nuclear reactor in operation.

The students are Darrell Galde, Howard Blackstead, Ronald Kostelecky, Dennis Whitson. They are accompanied by their instructor Abdul Rana, associate professor of physics.

The trip financed by the Atomic Energy Commission is part of the NDSU program in physics and engineering. The reactor equipment at the laboratory is shared by the Associated Midwest Universities.

A nuclear reactor converts atomic energy to electrical or mechanical energy. As a by-product of its operation it prepares the radioactive isotopes used in medical work.



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## 24 SU Student Bowlers Take Part In Tourney

Twenty-four top NDSU men and women bowlers took part in the National Intercollegiate Bowling Tournament at the Student Union Feb. 15 to 22 according to Dale Brostrom, Union director.

Brostrom is also the director of the bowling tournament which is sponsored by the Association of College Unions.

More than 100 colleges and universities entered the tourney. Brostrom will rank the scores of all participating schools nationally and by regions. He will also have charge of the final tournament at Detroit, Mich., in March for the six top all-events scorers from each of ten ACU regions.

NDSU teams have ranked near the top ten nationally in past tournaments, said Brostrom.

### Women's Scores Lower

In the women's team bowling, Janice Score, Karen Loberg, Marsha Bergman, Collette Buhr, Jackie Bakkum and Dixie Gifford combined for a 2375 series. This was about 250 pins down from last year's total.

In the doubles, Collette Buhr and Marsha Bergman had the high 906 series. Lois Woyack and Linda Helming rolled the next high with 795.

High scorers for all events were Collette Buhr and Marjeanne Tehven with 1334 and 1229 respectively.

"The women's scores seemed much lower this year than last year," said Gordon Teigen, assistant director of the Student Union. He expressed hope for some placing in the regional division.

### Six Man Team Scores 3351

The six-man team had a score of 3351. High scorers for all events were Duane Braynik with 1841 and Chuck Forslund with 1716.

In singles, Larry Paulson rolled 592 and Duane Braynik 593. Jerry Lingen and Chuck Hernett scored 1177 in doubles. Second were Jim Anderson and Duane Braynik with 1165.

The men's scores were about the same as in last year's tournament, stated Teigen.

## Ski Club Plans Ten Day Trip

The NDSU Ski Club is planning a trip to Sun Valley, Idaho, during quarter break, according to the President, Duane Lawrence.

Eight members of the club will make the 10 day trip by car. Last spring they went to Aspen, Colo.

The Ski Club also participates in Intercollegiate Ski Meets with other schools in the area.

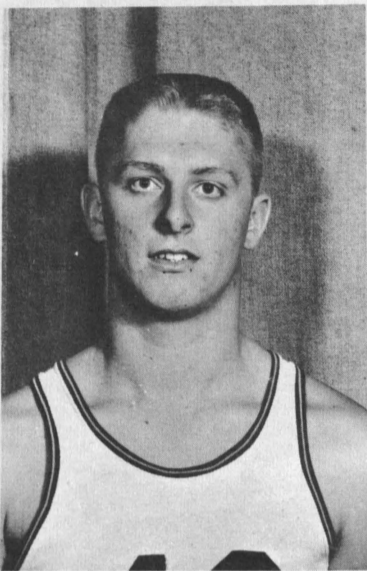
Anyone can join the club said the president. Ability to ski is not a prerequisite. The club meets once a week to discuss snow conditions, skiing techniques and trips.

You've Tried the Rest  
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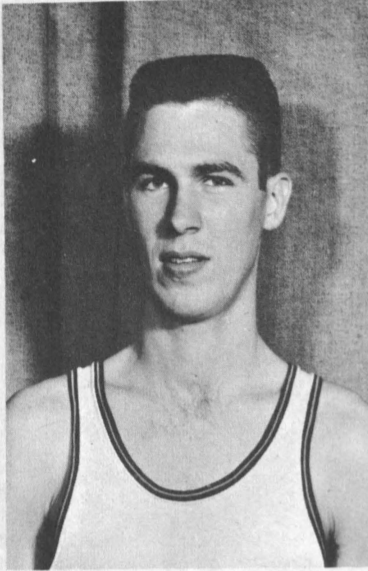
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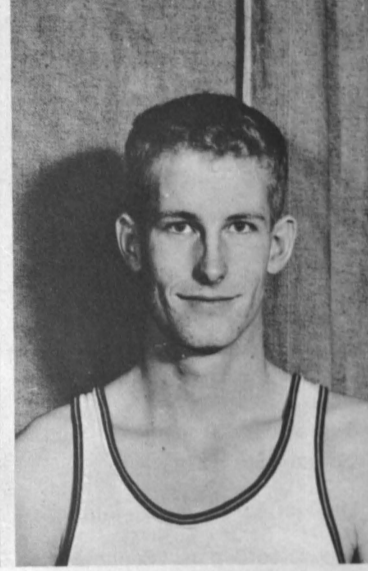
# Meet The North Dakota State Bison



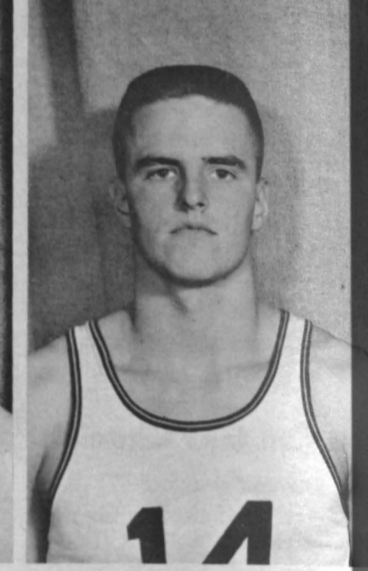
**Bill Anderst—6'2"**, sophomore . . . Up from frosh squad. . . Good shot and moves well around basket. . . Lack of height is a problem area. . . arts and sciences major.



**Larry Johnson—6'5"**, sophomore. . . up from frosh squad. . . good shot and handles himself well. . . rebounding needs improvement. . . arts and sciences major.



**Wayne Langen—6'5"**, junior. . . was one of the leading scorers. . . good tough rebounder who has a good shot and feeds nicely. . . for his size he developed into an excellent pivot man. . . majoring in agriculture.



**Mike Anderson—6'3"**, sophomore. . . up from frosh squad. . . one of the most aggressive men on the floor. . . a good defensive man and good shot. . . with experience will develop into a fine guard. . . arts and sciences major.




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Nomad Six 4-Door 9-Passenger Station Wagon




Nomad Six 4-Door 6-Passenger Station Wagon




Nomad V8 4-Door 6-Passenger Station Wagon



Parkwood Six 4-Door 9-Passenger Station Wagon




Parkwood Six 4-Door 6-Passenger Station Wagon



Parkwood V8 4-Door 9-Passenger Station Wagon



Parkwood V8 4-Door 6-Passenger Station Wagon



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# 18

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## Viewing Intramurals by Fred Wright

Bowling standings in the various leagues are getting tighter as the season progresses. The leaders in the various leagues have almost identical records.

Highest average of .800 is held mutually by four teams. In the All Star League Vet's Club IV and Pharmacy Club are tied for first, each with a 16-4 record. The Classic league boosts two teams with the same record—TKE II and SAE III. The Major league finds Stockbridge with 15-5 and the Master's league leader, YMCA, with 14-6.

Larry Paulson, Vet's Club, rolled a 626 series in helping his team gain victory over the SAE's. He bowled 202, 205 and 219, consecutively.

All Star league: Vet's Club IV 4, SAE I 0; Pharmacy Club 3, TKE I 1; Chemistry Club 3, Kappa Psi I 1; Sigma Chi 4, Theta Chi 0.

Masters league: Co-op I 4, SAE II 0; AGR 3, Vets Club II 1; TKE III 4, ATO I 0; Farm House I 3, YMCA 1.

Major league: Vet's Club 4, AGR II 0; ATO II 3, Gamma Delta 1; Sigma Chi 3, Farm House II 1; Dakota Hall I split with Stockbridge I two games apiece.

Classic league: SPD 3, Sigma Chi III 1; SAE III 3, TKE II 1; Farm House III 3, Churchill I 1; Kappa Psi II split with Co-op II two games apiece.

Basketball playoffs have not been completed. The results will appear in the SPECTRUM after the recess.

## John Stalpes Selected MVP

John Stalpes has been selected by his teammates as the most valuable player on the 1960 North Dakota State University football team. He was honored at half-time of the NDSU-UND basketball game last Friday night.

Stalpes was given the Dennis Drewes Memorial Award at the game. The award was purchased by friends of Dennis Drewes, who was killed in 1954 while piloting a jet plane on a test flight.

This was the seventh annual presentation of the award.

Drewes was a 1949 graduate of NDSU. While attending NDSU, he was twice named to the all-conference football team, and one year was named the most valuable player on the Bison squad.

Stalpes played halfback on Bison Coach Bob Danielsen's 1960 squad. He averaged 3.9 yards a carry, with 315 yards gained from scrimmage during the season. He was the leading pass receiver on the squad, catching nine passes for 131 yards.

Stalpes, who is from Minneota, Minn., is a junior majoring in physical education at NDSU. Earlier, members of the Bison team had elected him co-captain of the 1961 Bison football squad.



WITH A WINNING RECORD of 14-1 the NDSU bowling team gets ready to leave for Denver, Colo. Front Row: Jim Anderson, Chuck Hernet, and Jerry Johnson. Back Row: Larry Paulson, Jerry Lingen, DuWayne Baranyk, and Gordy Teigen.

## BISON BITS

by Sports Editor Sherry Bassin

The North Dakota State University basketball team played like a true hospitable host last weekend and dropped the second game of the traditional "U" Series 76-63 to the University of North Dakota.



The loss caused a split in the opening two game series as the Bison won the first game 57-52.

Again, it was the reserves that came through for the Bison in the first game.

Coach Bentson unloaded his bench with time running out and it was these boys that pulled the game out of the fire. Bison forward Neal Jacobson put in an excellent performance and definitely played an important part in leading the team to their victory.

Bison guard Lloyd Babby came into the ball game and was the man who kept our victory intact.

It was undoubtedly a spectacular victory and a thriller for the hometown fans.

### Travel North

The Bison will move into Sioux country next week and face UND to finish out the last two games of the "U" Series.

NDSU will not only be finishing out the last two games of the "U" Series but will also be finishing out the 1960-61 season.

The bad part about the Bison coming to the end of their '60-'61 schedule is the fact that Little All American Marv Bachmeier closes out his illustrious career.

Jersey number 24, worn by the flashy guard, will be a hard one to fill in the coming years.

## Bowling Team Travels West

The NDSU bowling team will leave Wednesday, Mar 8, for Denver, Colo. The Bison will compete in matches on the way to Denver, at Denver and on their return trip home.

They meet the University of Wyoming at Laramie on Thursday, Mar. 9. On Friday they will roll against Colorado University and Colorado College at Boulder. Saturday finds them taking on Denver University and the Air Force Academy at Denver.

On Sunday they have a triple-header with Kansas University, Kansas State and Wichita University at Manhattan, Kans.

They wind up their tour on Monday against Nebraska University at Lincoln.

### AIEE-IRE

AIEE-IRE will meet Tuesday, Feb. 28 at 4 p.m. in room 22 of South Engineering. Election of officers will be held.



MR. GLENN HILL presents John Stalpes, Phy. Ed. jr, the Dennis Drewes Award for the most valuable player on the Bison football squad for 1960.

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## No Fighting on Sunday, Girls

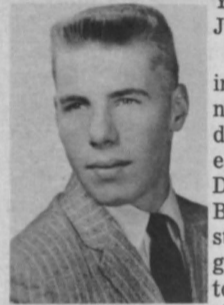


BECAUSE FIGHTING on "Sunday Costs Five Pesos." Mary Ann Albert, H. Ec. soph; Jean Thompson, AAS soph; Betsy Nelson, AAS jr; and Bobby Nelson, AAS soph, enact a scene from Mexican Fiesta, a comedy trio of one act presented in Circle-T Theatre Wednesday and Thursdays.

THE SPECTRUM  
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## Dave Carlson Is Chosen For Summer European Trip

Dave Carlson, AAS soph, will spend eight weeks in Europe this summer on a study project of churches in other countries. Carlson is one of 15 delegates sponsored by the National Lutheran Council and the Lutheran Student Association of America who will be sent to Sweden, Norway, Denmark, Berlin and West Germany. Following a three day orientation, Carlson will leave New York City on June 17.



His trip will include international Student Conferences at Aarhus, Denmark and Berlin. He will study the background and history of today's churches in addition to the art, architecture and customs of the areas he will visit.

The 15 delegates will travel as a group and will stay in Lutheran student houses or with other church groups.

## Job Interviews

**Monday & Tuesday, Feb. 27, 28**  
NORTH AMERICAN AVIATION will have representatives of four company divisions conducting employment interviews on campus. The divisions to be represented will be Autonetics, Rocketdyne, Los Angeles, and the Space and Information Systems Division. All senior and graduate students are invited to contact the Placement Office and arrange interviewing appointments.

**Monday, Feb. 27**  
GENERAL MOTORS RESEARCH

## Classified ADS

LOST — Photo Light Meter. General Electric "Golden Crown" probably between Morrill Parking Lot and Minard. Reward. Contact W. Kress, Minard 103, Ext. 321.

FOR RENT — A 41 foot Detroit Suburban trailer house. Two bedrooms. Will rent for spring quarter. Contact Weslie Spear, room 301, Stockbridge Hall.

LOST — Key chain with three Ford keys and a house key. Kindly return to the Spectrum office.

FOR RENT — Room with kitchen and bath for two male students. 1146 North 11. Phone AD 2-0113.

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LABORATORY, Warren Mich., will visit the campus for the purpose of conducting employment interviews with chemistry students specializing in protective coatings. A particular interest in graduate coating students has been indicated although all chemistry students are welcome.

**Tuesday, Feb. 28**  
PRATT & WHITNEY AIRCRAFT, a Division of United Aircraft Corporation, will seek interviews with physics and engineering students scheduled for spring graduation at all degree levels. They offer positions in analytical design, experimental materials, and installation engineering.

**Wednesday, Mar. 1**  
CONVAIR ASTRONAUTICS, A Division of General Dynamics Corporation, will be represented on campus by James Hook of San Diego, Calif. Hook invites all electrical, mechanical and aeronautical engineering seniors and graduate students from areas of physics and mathematics to register for campus interviews.

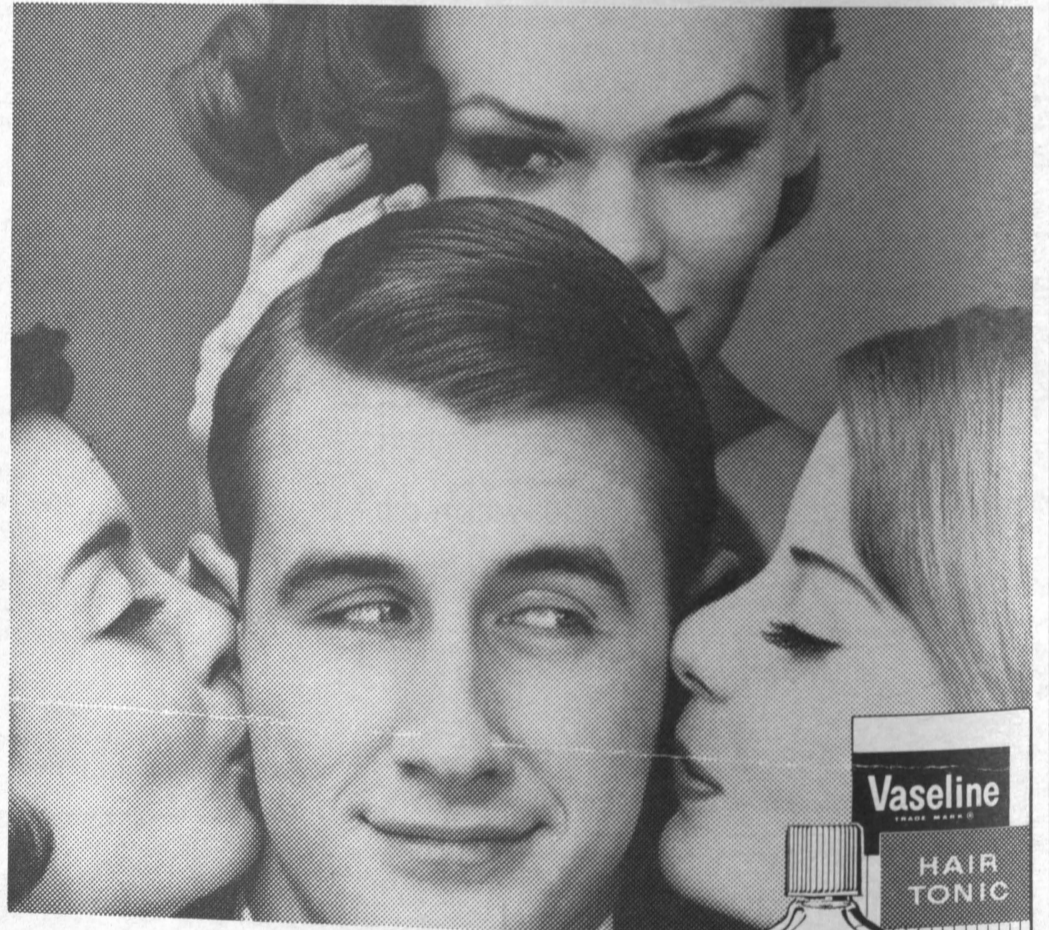
**Wednesday, Mar. 1**  
RURAL ELECTRIFICATION ADMINISTRATION will be represented on campus by K. M. McLaughlin, R.E.A. Field Engineer. All senior electrical engineering students are invited to register for campus interviews.

**Thursday & Friday, Mar. 2, 3**  
U.S. NAVAL ORDNANCE STATION at China Lake, Calif. will be represented on campus and will seek interviews with senior engineering, chemistry, physics and mathematics students at all degree levels. All technical students interested in more information are invited to arrange an interviewing appointment.

## Placement Office

Summer employment opportunities will be available to students who will complete their junior year by June. All students interested in summer employment are invited to attend a group meeting at 4 p.m. on Thursday, Mar. 2 in Conference Rooms 1, 2 and 3.

**Thursday, Mar. 2**  
Geo. Hormel & Company will be represented on campus by Roger W. Lockrem, director of management recruiting and training for the company. Lockrem has numerous openings with the company to discuss with interested students.



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