

MERRY CHRISTMAS

Miniature Rocket Built By SU Graduate Student

If you think the Bison Room is noisy, you should have been around South Engineering building Monday evening.

Allan Ostby, ME grad, was displaying to the public his master's thesis project in mechanical engineering.

It can best be described as a miniature rocket engine. It is small, but the din it can create is terrific, as about 25 witnesses to the demonstration can testify. Fargo newspaper, radio and TV

personnel and Spectrum staff members watched the demonstration.

The device is actually a testing tool to try different type rocket and jet nozzles. It also can test different fuel mixtures to ascertain how much "thrust" can be achieved.

Ostby emphasizes that the device could not be used to power a rocket vehicle.

The device is small, only a few inches in diameter, but it is fitted

into a diagrammatic display to show components of the supporting system.

The fuel for the test was gasoline kept under nitrogen gas pressure. The Powers Construction Company of Fargo supplied a large compressor to give needed air pressure for burning the fuel. Powers Mr. Richard Campbell attended the demonstration.

Some of the other interesting facts about Ostby's test device:

- It's only been built on two other U. S. campuses. West Point is one.
- Fuel is ignited by a spark plug.
- Temperatures in the combustion chamber can reach 1,000 degrees.
- Exhaust gases leave the nozzle at super sonic speeds, with the resultant ear-splitting roar.
- Test runs usually are limited to from 30 seconds to two minutes.

Ostby says that his ears usually ring for hours after conducting a test. Spectrum reporters say their ears rang all night.

Ostby left campus this week to work at Boeing Aircraft in Seattle in the "Minute Man" division.



A MINIATURE rocket engine has been built by ME graduate student Allan Ostby for his master's project. Monday night Allan demonstrated his rocket to members of the press, radio and TV.

The Spectrum

VOL. LXXII—NO. 12 NORTH DAKOTA STATE UNIVERSITY DEC. 22, 1960

Gilles Named NDSU Cereal Technology Department Head

Dr. Kenneth A. Gilles, Minneapolis, Minn., formerly with General Mills, has accepted the chairmanship of the department of cereal technology at NDSU and will join the staff soon after Jan. 1. The appointment was announced last week by President Fred S. Hultz.

The North Dakota State University has one of the outstanding cereal research laboratories in the United States. Work being done is one of key importance to farmers in a state where cereal crop production is a major enterprise. Dr. Gilles succeeds Dr. Rae Harris who died Feb. 25, 1960.

In his recent capacity with General Mills, Dr. Gilles was project leader of a research group studying the biochemical aspects of wheat flour quality. His thesis for his doctorate was based on a study of the gums derived from barley flour, wheat flour, fresh and stale bread.

Dr. Gilles was born in Minneapolis where he attended Marshall High School and was graduated from the University of Minnesota in 1944. He received his Ph.D. degree also from the University of Minnesota in 1952. He served in the U. S. Navy from 1944 to 1946, attending Columbia University during part of this period.

Dr. Gilles is married and has two children, Jeffrey 8 and Diane 6.

Concert Choir Will Present Christmas Program On Nine Television Channels

Sixty-five students at North Dakota State University have been selected to sing in the University Concert Choir, and will make several appearances during the Christmas season.

The members of the NDSU Concert Choir, under the direction of Robert C. Godwin, Assistant Professor of Music, will appear at 9:30 p.m. Dec. 24th on WDAY-TV, Fargo; KFYZ-TV, Bismarck; KMOT-TV, Minot; and KUMV-TV, Williston.

At 10 p.m. they will appear on KXJB-TV, Valley City; KBMB-TV, Bismarck; KDIX-TV, Dickinson; KXMC-TV, Minot; and KNOX-TV, Grand Forks.

The choir was asked by Focus to present a program in place of their regular news program. The show is being filmed so the students may watch the program

while home on vacation.

The choir members are: Sopranos—Lenora Piepkorn, Sandra Flom, Claudia Revland, Mary Ann Wilner, Bonita Bohnsack, Diane Brokate, Gloria Elssinger, Linda Helming, Janice Melby, Joan Robberstad, Carolyn Skarphol, LaVonne Anderson, Sandra Anderson, Jane Costain, Janice Hanson, Jean Jackson, Jacqueline Nielson, Sandra Ophus, and Judy Willert.

Altos—Ann Bertelson, Lorene Currier, Betty Dahm, Jane Munro, Andrea Norum, Sandra Johnsgard, Vergene Anderson, Diana Herman, Joanne LaPlant, Marian McKinnon, Jo Elaine Misslin, Kay Ormiston, Beverly Sunden, Phyllis Gill, Ella Fay Thompson, Norma Opgrand,

and Carole Stendahl.

Tenors—Wilfred J. Findley, Ray Hendrickson, David Herstad, Bruce Anderson, Byron Berntson, David Nelson, Art Meier, John D. Dell, Roger Helgoe, Thomas Larsen, Carman Lynnes, Gary Mikkelsen, and Larry Seeger.

Basses—Phil Mark, James Lanier, Russel Strubbe, Douglas Bakken, Ray Brown, Eugene Buckholz, Don Dell, Donn Iverson, Glenn Kranzler, Reinhold Schuster, David Emslie, Leon Fjestad, Ronald Olson, Wendell Ostlie, Charles Renschler, and Richard Scharf.

The Concert Choir will tour the east this year during spring quarter break in March on their annual tour.

Queen Marlys



MARLYS DIETRICH, AAS Soph., was crowned queen of the Military Ball last weekend. She won over 7 other coeds. Balloting was at the door.

33 Register In Agriculture Short Course

Thirty-three of the expected fifty-five students have registered for the short course in agriculture, which will be held at NDSU from January 3 to February 24, 1961, according to Peder A. Nystuen, director of short course.

The short course in agriculture is offered primarily for persons who are interested in obtaining further training in the field of agriculture and who cannot avail themselves of the regular courses offered by the School of Agriculture, said Nystuen.

The course will consist of farm management, livestock selection, rural electrification, forage crops, farm tractors, horticultural crops, livestock health and dairying.

Instruction is both technical and practical. It is designed for those who have farm experience and who are or will be engaged in activities of an agricultural nature. Courses offered as a part of the short course do not carry regular college credit. High school graduation is not a requirement for enrollment.

Registration for the course will take place from 8 a.m. to 3 p.m. on Tuesday, Jan. 3, 1961, in Morrill Hall. Student housing will be available on campus and in private homes.

Don Schwartz Named Head of Communications

Donald F. Schwartz has been named Acting Director of Communications at NDSU for the coming year while Robert Crom takes a year's sabbatical leave.

Schwartz, who has been the Assistant Director for the past year, joined the communications staff as a graduate assistant in 1957.

He was appointed communications assistant in charge of television programming in 1958 following a six months leave on the International Farm Youth Exchange Program in France. He is currently teaching a radio and television production course with Crom.

A graduate of NDSU, Schwartz is completing his master's program here.



Merry Christmas

Happy New Year from the Spectrum Staff



CONGRATULATIONS TO THE MILITARY DEPARTMENT ON A GREAT MILITARY BALL. WHY CAN'T SOMETHING BE DONE ABOUT THE SLIPPERY, DANGEROUS SIDEWALKS?

Editor



ONLY 3 DAYS 'TIL CHRISTMAS!

THE SPECTRUM

The Spectrum is published every Friday at Fargo, North Dakota by the NDSU Board of Publications, State University Station, Fargo, N. D.

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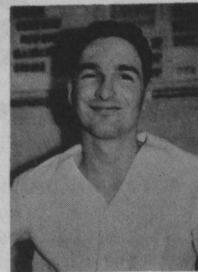
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The Spectrum Asked:

Spectrum Photo Interview

By Ray Hendrickson

What would you like Santa Claus to bring you?



Wesley Nickol
Ag Ed jr
Bottineau, N. D.

A month's vacation from school instead of ten days.



Ruth Brakel
HE sr
Hurdsfield, N. D.

A man—or two or three or more.



Mrs. Wilbert Mehlhoff
North Ct., Fargo
One thousand dollars' worth of bills (are our requests filled???)



Mrs. Ted Blickensderfer
Mott, N. D.
A little bit of everything.



Mrs. James Pfau Dickinson, N. D.

A bassinette.



Mrs. Matt Gyalai
North Ct., Fargo

Anything but bassinette!

Top Seven Publication Jobs Are Open For Application

Seven top student publications staff members for 1961-62 will be selected early in February, according to Richard Bergquist, commissioner of student publications.

"The board of student publications will accept applications until Feb. 7 for the positions of editors for the Bison, the Spectrum and the Student News Bureau, and for business managers and photographers for the Bison and Spectrum, Bergquist said.

Application blanks may be picked up from Dean Charles Sevrinson's office, and completed applications may be left with the dean of men or Dick Bergquist.

Applicants should make a detailed summary of their qualifications, Bergquist says, and they should be prepared for an oral interview with the board of publications, too.

Selection of next year's top

staff members is being made a few weeks earlier this year to give the new staff members more time to work with incumbent staffs, Bergquist said. It is hoped that new officers will be better able to plan their own publications if they know far in advance that they will have the responsibilities of publication.

"The publications jobs are among the most important student posts on campus," Bergquist stated. "In addition to the responsibilities of assembling and editing materials, the staff chiefs have the obligation to set up budgets, acquire funds and account for student monies in excess of \$20,000 a year." All the top positions are paid.

Editors are responsible for gathering, editing and publishing news. The student news bureau reports news of student events for home town papers, and the stories

the college communications office. The Bison and Spectrum are printed.

Business managers are responsible for the sound financial management of the publications, include sale of advertising and circulations.

The photographer posts are new this year, and it is intended that each will have responsibilities for securing picture coverage for his publication as coordinated with the editor.

Jobs are open to any student on campus who has the qualifications. Generally speaking, prior experience on the publications is one of the best qualifications. But experience on commercial media, high school or other college publications and course work in mass communications, business and photography are helpful, too.

Photographers will have to prove availability of darkroom facilities.

LITTLE ARNOLD



KEY IDEAS

"A BLUE KEY MEMBER SPEAKS"



By Dave Bragg

Isn't it about time Student Senate got off the ground and started fulfill one of its prime obligations. I refer to its obligation as a between in the student faculty relationship. This function has never been more needed than it is this year, and yet Senate just sits there fiddling its thumbs.

Why is this function needed? Just think back to some of the things that have happened this quarter. Six out of nine fraternities on social probation for carrying out a traditional social function; a foul up in obtaining eligibility for fraternity pledging;

Varied editorials and comments on compulsory attendance at class; and the campus parking situation. These are just a few of the places where faculty-student co-operation could have solved problems

Let's take a look at each of these few things that I have mentioned. First the fraternities on social probation for having spring term parties at the lakes. Alumni of this college as far back as the twenties will remember the spring lakes' party as the biggest social event of the year, yet because of an overzealous person or two, an old antiquated rule was found prohibiting parties out of Fargo-Moorhead and the administration was forced to make certain groups suffer.

To top this all off, groups were not made to suffer equally for the same offense; and the rules of the penalties were made up as situations arose with no reason or explanation behind them.

Secondly the foulup in fraternity pledging. This situation could have been avoided entirely, but it did happen and could have been remedied without causing the confusion it did. All it would have taken was two or three neutral parties flipping through the cards to determine eligibility. Again a lack of student-faculty relations.

Third I mention the compulsory attendance controversy that has been raging all quarter. A great part of the problem here is non-uniformity of attendance regulations. Each department (and sometimes teacher) has its own regulations.

One says no cuts allowed; another, 3% of the grade off for each cut; another, cuts equal to the credit hours of the course; etc. Why wouldn't a student-faculty committee be able to intelligently discuss this problem and come up with a recommendation?

The last of the problems I mentioned was the parking problem. This is really a problem. There are apparently more exceptions to the rules than there are rules. Not only are the students bewildered but the campus "cop" must really be in a frustrated state.

He's told to ticket everyone for violations, and then gets chewed out for ticketing someone with important relatives or friends. The ordinary student with no influential friends or relatives gets stuck with paying all his tickets or grades don't get recorded.

Senate has a commission of Campus Affairs, but the members seem to think only homecoming, freshman orientation and other campus social events are campus affairs. If these things I've mentioned aren't campus affairs, what are they?

Student Senate get on the ball!!!!

College Jobs in Agriculture to Increase, FFA Members Told



Speaking to 108 FFA members and guests at the Friends Night Banquet, Carl R. Amstrup of the F. H. Peavey and Co., emphasized the value of a college education in all phases of agriculture. Harley Schlichting, toastmaster, listens attentively.

"Jobs in agriculture are on the increase," F. H. Peavey & Co.'s Carl R. Amstrup told 108 campus Future Farmers and their guests at the sixth annual Friends Night Banquet December 15.

Amstrup, an NDSU graduate and former North Dakota vocational agriculture teacher, is assistant director of Peavey's agriculture department.

He said that the U. S. population by 1970 will be about 208 million persons, an increase of about 16%. This huge population will require greater supplies of food and clothing, more housing, more of everything. He emphasized that while there may be fewer farmers around to produce the things folks need, the agricultural industry still will employ about 40% of the population.

It is in these agriculturally-related industries, particularly, where the college trained youth can find excellent and satisfying work, Amstrup said. He emphasized the need for more capable students to get university-level training in agriculture, and asked the future vo-

ational agriculture teachers to counsel their high school students about the quality and the quantity of agricultural jobs that will be available in the next decade.

Amstrup said that whether he goes back to the farm or not, the farm youth of today and tomorrow needs college training in order to achieve a satisfactory standard of living.

College Chapter President Maynard Iverson and chapter officers conducted the opening ceremonies and the closing ceremonies.

Harley Schlichting was toastmaster and introduced Amstrup, the national prize winning NDSU collegiate judging team and other guests.

Dean of Agriculture Arlen Hazen, State Future Farmer President Darryl Eastvold, and Campus Chapter Vice President Philip Peterson also spoke. Bonita Bohnsack and Kaaren Olson did a musical number.

The banquet is intended to show appreciation to friends of the campus chapter, and to provide an example for future vocational agriculture teachers of how to conduct such a banquet in their teaching communities.

Catch That Man Leap Year Ends Soon

Leap year ends in nine days, girls! Better hurry or you'll have to wait another four long, cruel, single years.

I don't know who thought up the idea of leap year. Probably some shy bachelor-type person who wasn't brave enough to go on his own. Whoever it was really has a swinging thing going.

We female creatures can do all sorts of things during leap year. I've asked fellows out for dances, movie dates and have even proposed four times. Most of the fellows are shocked but when you explain that it's leap year, most of them understand.

Sharon Kofoid, H Ec jr, became discouraged when someone turned down her proposal for marriage. Don't give up, however, you have nine more days to try again.

I have the feeling most girls don't take leap year seriously. Gordon Jones, AAS sr, stated, "I'm disappointed. I haven't been proposed to yet".

Larry Ellsworth, ME jr, replied, "I didn't even know it was leap year!"

With only nine days left of this year we've got to get organized, women. Forget everything you've learned about being shy and demure or you may have to wait four more years before another opportunity such as this comes along.

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Eclectos: Did you enjoy your trip to San Francisco?
 Pangloss: Yeah, but I learned that people are not.
 Eclectos: Are not what?
 Pangloss: Aren't human.
 Eclectos: What do you mean by that?
 Pangloss: —It's like they don't make the scene.
 Eclectos: You mean—unsophisticated?
 Pangloss: Yeah man, you've got it.
 Eclectos: How do you know?
 Pangloss: All of us know it.
 Eclectos: How many?
 Pangloss: We, everyone, a few.
 Eclectos: Well, if people aren't human, then what are you?
 Pangloss: We are opposed to the degenerate society.
 Eclectos: You mean for being against, and against being for—like positive?
 Pangloss: Yeah, yeah, you dig it.
 Eclectos: Have you heard of the "Hungry I"?
 Pangloss: EVERYONE knows the HUNGRY I.
 Eclectos: Well, we agree on something anyway.

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The Latest . . .

By Donna Helbling

Dr. Hove, NDSU English professor, found this message written on a pre-Christmas exam paper: "God only knows the answer to this question. Merry Christmas." Dr. Hove returned the paper to the student with this cheery notation; "God gets an A; you get an F. Happy New Year."

THERE'S NO DOUBT about it. The season of merriment and mistletoe, presents and parties has hit. Chances are that the next column will be filled with the results of this season—pinnings, engagements and marriages.

The Greek organizations have been combining throughout the week to spread the Christmas spirit and enjoy a little of it at the same time. On Tuesday evening, the Kappa Delta's and Teke's went caroling at several of the hospitals and orphanages. On the same evening the KAT's and Co-op's met at the KAT house after an evening of caroling.

THE THETA CHI's opened their doors for an entertainment with the Gamma Phi girls on Tuesday evening.

Many many staters started the rather short (to say the least) vacation by attending the all college Christmas party Wednesday night in the Union. Good music, good fun—good party.

Haven't made any New Year's resolutions as yet. I guess it's on account of because I can't think of any I'll be able to keep.

Some of the boys on campus received a Christmas present a little early by becoming active members in their fraternities. New SAE's are: Odean Wenger, Durwood Peterson, Don Indvik, Larry Knoell, Dave Nelson, Dave Lambski and Dick Arman.

THE NEWEST ACTIVE member of Kappa Psi is John Schumacher.

The men of AGR have added four to their list of permanent members: Joel Krueger, Rodney Paul, Joe McKenzie and Gerald Quam. Jerry Patterson is the newest active at the ATO house.

This columnist is wondering how many of these boys will return with their pins after Christmas.

The SAE's have added Dave Herstad, Jim Lanier and Larry Rolfstad to their pledge list.

Gamma Phi Beta Betsy Nelson passed the candle Monday night to announce her engagement to Theta Chi alum Art Cervinka.

Must remember to buy a supply of paper sacks during vacation. I plan to carry my own supply of sand with me as I slip and slide from class to class. I've fallen far too often this past week. Everybody with me?

A LAST REMINDER to the girls interested in winter rush. Sign up at Dean Thompson's office before January 6—quickly.

This girl is off to Montana for the holidays—whoopee—can just see me among the wild cowboys and sheeps and all.

WHILE WALKING INTO DINAN HALL from religion class, two girls were discussing the morning's lesson. "Do you believe there's a devil?" asked one. "Of course not," said the other. "It's just like Santa Claus. It's only your father."

I think it wise to wish everyone a Merry Christmas. As for New Year's, welllll . . .

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Dona Prepares For Cold

By Patricia Slocum

"I have never seen this much snow before," exclaimed Dona Rhines, Home Ec freshman from Glenrock, New Jersey.

Dona was sure that it was going to be cold in North Dakota. So she went to a rummage sale and

ward with eager anticipation to the months ahead.

As a resident in the state of New Jersey, Dona said that college students in both states differ greatly in their ideas. The students here do not have as strongly biased opinions as they do in New Jersey.

She added that students are much friendlier here. But everyone knows exactly what you are doing because there are not as many people. Everyone knows everyone else.

Dona has not been to many small towns. She finds it hard to imagine a graduating class of four students.

Dona commented on the bobby socks and head scarfs worn by NDSU coeds. She stated that in New Jersey they never rolled their bobby socks down. Their head scarfs are never as plain as they are here, but are always decorated with cotton balls or beads.

Out east the students plan to finish their schooling before doing anything else. She was surprised to find that some students were satisfied with a high school education.

Dona said that she liked NDSU and has all intentions of obtaining her degree from this institution of higher education.



Dona Rhines

purchased a racoon coat to help shield her from the cold winds.

Both of Dona's parents, graduates of NDSU, had warned her of the low temperatures. With the blizzards that NDSU has thus far experienced, Dona is looking for-

Kappa Epsilon Initiates Six

Marlene Caplan, Mary Lou Hofert, Sandra Gaspar, Betty Dahm, Ruth Ann Peterson and Gayle Krogstad, all pharmacy sophomores, were initiated into Kappa Epsilon, women's honorary professional pharmacy sorority on Tuesday, Dec. 3.

A Christmas party was given by the alums after the initiation.

Kappa Epsilon acts as hostess for pharmacy activities.

Lola Hopkins is faculty advisor.



Six Girls Join Army Auxiliary

Guidon, auxiliary to Army ROTC, initiated six new members into the organization recently. They are: Pat Baker, Bonnie Nordling, Lorna Gunderson, Betty Kay Hazen, Diana Henderson and Mary Kasson.

Carol Solberg was elected national Lt. Col. of Guidon Auxiliary. Under the leadership of South Dakota State College, a nationalization of all Guidon members is taking place. Members from South Dakota State University and the University at Cincinnati are also working on the project.

Four offices are chosen nationally on the rotation system. This year Carol will act as the corresponding secretary in charge of all groups petitioning membership.

She will recommend these groups to all companies of Guidon and see that petitions for new chapters of Guidon are sent to all active chapters.

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SU Swings Into Christmas Spirit



Laurine Boyum, H Ec soph, points to her decorated door.

NDSU students are showing their Christmas Spirit as the holiday season draws near.

Coeds have decorated their dorm rooms with candy canes, bells, wreaths and other symbols of Christmas.

The men entered into the spirit by taking part in a room decorating contest sponsored by the Inter-Dormitory Council, according to Tom E. Neuberger, faculty sponsor.

Dinan and Ceres Hall residents had their traditional Christmas parties. Ceres Hall residents showed their Christmas spirit by giving a freewill offering to the welfare agency.

The high point of the Vet's and Married Student's Club's Christmas activities was a party for their families.

Gamma Delta had a Christmas party and went caroling, visiting old peoples homes and hospitals.

AGR's and the Alpha Gams entered into the mood of the season by caroling at orphanages and hospitals in the area.

The Newman center played



Jeanette Bring, H Ec soph, and Mary Ellen Garaas, Chem jr, admire a little tree in Dinan Hall.

host to the married students' children at a Christmas party. The KD's joined with the AGR's in sponsoring a party for orphans.

The LSA center had a "Scandinavian" Christmas with a lute-fisk and meatball supper. Christmas stockings were given to the staff members and officers.

The Kappa's made room decorations for an old folk's home, and the Phi Mu's supplied a toy cart for a children's hospital.

The Theta's went caroling with the Co-ops and made toys for Children's Village.

Wesley Foundation held a Christmas program at the Fargo Nursing Home.

Gamma Phi's went caroling with the SAE's.

Maintenance and staff members weren't forgotten. A Christmas party for managers, janitors, secretaries and maids of the men's dorms was given by Tom Neuberger, faculty sponsor of the Inter-Dormitory Council.

"Christmas spirit is showing in our customers," reports Dick Kasper, manager of the campus bookstore. There has been a great demand for Christmas cards and gift items, he states.

DR. FROOD ON FINE ARTS



In which Lucky Strike's gift to the arts selects "The World's Greatest Masterpieces" and reveals all—in fact, more than all—that is known about each.



Whistlers' Mother: This painting, by an unknown artist, depicts the housemother of a college sorority patiently waiting for a dance to break up in the next room. Note how the artist has captured the anguish and devotion of this lonely woman as she frets over her young charges (who were nicknamed "The Whistlers" because of the way in which they obtained dates).

Early Rembrandt: That Rembrandt was born a genius is conclusively proven by this little-known masterpiece. This, his first known painting, astounded critics and made the name Billy Rembrandt famous throughout Europe. Believe it or not, Rembrandt created this masterpiece when he was two years old!



The Venus de Milo: Sculptured in the second century B.C. on behalf of a Greek pencil manufacturer, this great statue has won fame through the ages as the symbol of beauty parlors, bowling alleys, upholstery firms and reducing pills. Today it is used primarily as a vivid warning to small children who bite their fingernails.



Woman in Water: Here is the original of a great "lost" masterpiece which I was able to acquire for the ridiculously low price of \$8,500. I mention this only to show what great bargains you can find in art if you know your subject. I determined the authenticity of this priceless original by proving that the small stain, upper left, was made by Renoir's favorite coffee.



AT LEFT: "MASTER OF ALL MASTERPIECES"! "Here, in my opinion," says Dr. Frood, "is the greatest work of art. Note the bold, clean strokes in LUCKY STRIKE, conveying the wisdom and pride of the manufacturer. Note the perfect circle, representing, of course, the perfect product inside. And in the product itself we find a truly magnificent expression of quality, good taste, pleasure and contentment. Surely, there is no work of art that, over the years, has brought more aesthetic joy not only to all of us in the art world, but to millions of people in all walks of life."

The Thinker: What is The Thinker thinking? This has been as baffling to scholars as the riddle of the sphinx and "Who's on first?" But now it can be revealed that this statue is actually a Roman warrior who had been asked, "Remember how great cigarettes used to taste?" When he failed to answer, "Luckies still do," he was turned to stone.

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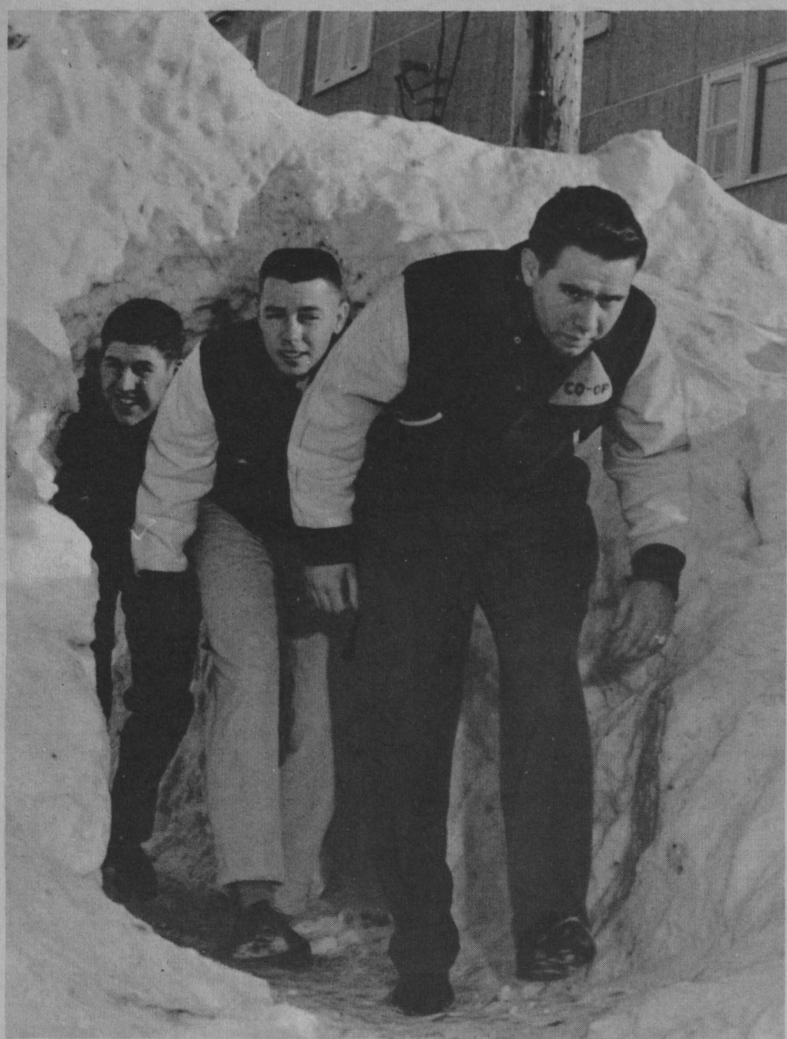
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"NO FELLAS, THIS ISN'T THE TUNNEL OF LOVE," yells Dennis Schaan, ME fr., as he brings up the rear. Ken Casavant, Ag fr, emerging hump-backed from a trip through the snow, is followed by Bill Silliman, Arch fr, and disappointed Dennis. This unique tunnel is located in back of the Co-op House. Constructed as an aid to help those who don't like to climb snowbanks, it's serving its purpose quite well.

Cookery Class Serves Meals

The quantity cookery class from the School of Home Economics will begin serving on Monday, Jan. 9 from 11:45 until 12:20, states Miss Lorissa Sheldon, associate professor of food and nutrition.

Noon meals will be served in room 220 on third floor of the home economics building at a cost of 60-65c. These meals are open to the public as well as to the students and staff of NDSU.

This course, taught every two years, is required for girls majoring in food and nutrition. It provides training in quantity food preparation for girls who will upon graduation go into hospital, school or commercial food service work.

This quarter 22 students are enrolled in quantity cookery. Each one will have an opportunity to manage the food preparation for one of these meals. Meals will be served on Mondays and Wednesdays only.



Academy Offers Award

The North Dakota Academy of Science, in cooperation with AID, Inc., announces a \$1500 Award Program which is open to all faculty members and graduate students of the universities and colleges in North Dakota and bordering areas.

The purpose of the Award Program is to stimulate thinking and the production of new ideas which may lead to the creation of new jobs and new wealth for the people in the area, thereby making the state a better place in which to live.

Ideas are being sought in three broad fields: Agricultural Development, Industrial Development and Community and Cultural Development.

An award of \$200 is being offered for the best paper in each category, with an additional \$500 award being made for the idea considered to contain the greatest potential and the best plan of action designed to activate the idea.

The sum of \$400 has also been provided to assist in the publishing of papers and caring for miscellaneous expenses.

Papers will be judged by a joint university-industry committee and prize winning and honorable mention papers will be presented at the annual meeting of the North Dakota Academy of Science to be held at the University of North

Dakota, Grand Forks, May 5 and 6, 1961.

A detailed statement of the Award Program can be obtained by writing: Andrew L. Freeman, P.O. Box 1350, Grand Forks, North Dakota.

Gregoire Elected

Miss Beulah Gregoire, chairman of the women's physical education department at NDSU was elected president of the North Dakota Association for Physical Education of College Women for the coming year.

Miss Marillyn Naas, assistant professor of women's physical education at NDSU was named secretary for the coming year. This professional organization is affiliated with the National and Central District Association for Physical Education of College Women.

The group met on the NDSU campus to discuss present and future plans for study of curriculum standards of physical education in North Dakota schools.

The project this year will be a study regarding the number of teachers of girls' and women's physical education in North Dakota, where they are teaching, their qualifications, and the time they spend teaching physical education.

Ladd Receives Hand Painting



R. E. DUNBAR

This picture of Ralph Edwin Dunbar who died September 5, 1960, is a black and white, reduced photograph taken under polarized light of a multicolor painting.

The painting, 28"x36" on masonite, was done by his brother Ray who lives in Huron, South Dakota.

The hand painting was done from a photograph of Dr. Dunbar taken in January, 1958.

The painting was received by the School of Chemistry the first part of December. It will be framed and hung near the east entrance of Ladd Hall as a gift from the Chemistry Club.

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BISON BITS

By Sherry Bassin

The North Dakota State University Bison picked up their second win of the '60-'61 season last Monday by "whomping" the Bemidji State Beavers 85-63.

It was a Bison ballgame all the way last Monday as they led 37-28 after 20 minutes of action and then scored 48 more in the second half to run their total to 85.

Five of the Bison scorers ended up in double figures. All American Marv Bachmeier began to show some of his old form again and found the basket for 21 points followed by Babby and Erickson with 14 each and Lynden Langen and Lehr with 10 apiece.

Bachmeier who is still feeling the affects of his recent sickness sat out approximately 13 minutes of the ball game. Although not playing the full amount of time he usually does, he still managed to net a respectable 21 points.

NDSU at times looked much sharper than they have in their few previous home encounters. They looked as if old man time has finally payed off for them, with fewer mistakes beginning to show.

But then again, at intervals they reverted back to their old form. They are learning the old saying fast though, that in order to win any ball game they must work hard and play a full 40 minutes of fighting, tough ball.

The Bison exemplified this attitude at certain times during the Bemidji game, showing they are quite capable of performing a fighting type of game.

The NDSU Bison are a fast improving ball club and will probably be much more improved before their next NCC encounter after the holidays.

After an injury riddled start they are beginning to mold as a team again. The guards, which will undoubtedly team up as the best threesome in the North Central Conference are beginning to find their scoring eye again.

Besides this fact, Bentson has probably found out that he has one of the best benches to work with in the past few years.

Because of various injuries the coach has been able to use some of his reserves and at the same time add to their experience.

Add this bench strength to his already proven attack, then add a little patience and time, and the Bison will undoubtedly begin to roar before too long.

Coach Neuberger Hopes 60-61 Squad Will Improve

This is the fourth year North Dakota State has participated in inter-collegiate wrestling and Coach Tom Neuberger hopes the 1960-61 squad can continue the improvement that has marked his first three squads.

The first year the Bison participated in wrestling the squad won two matches and lost nine; the following season they won eight and lost eleven; and then last season won six, lost five and tied one in dual matches.

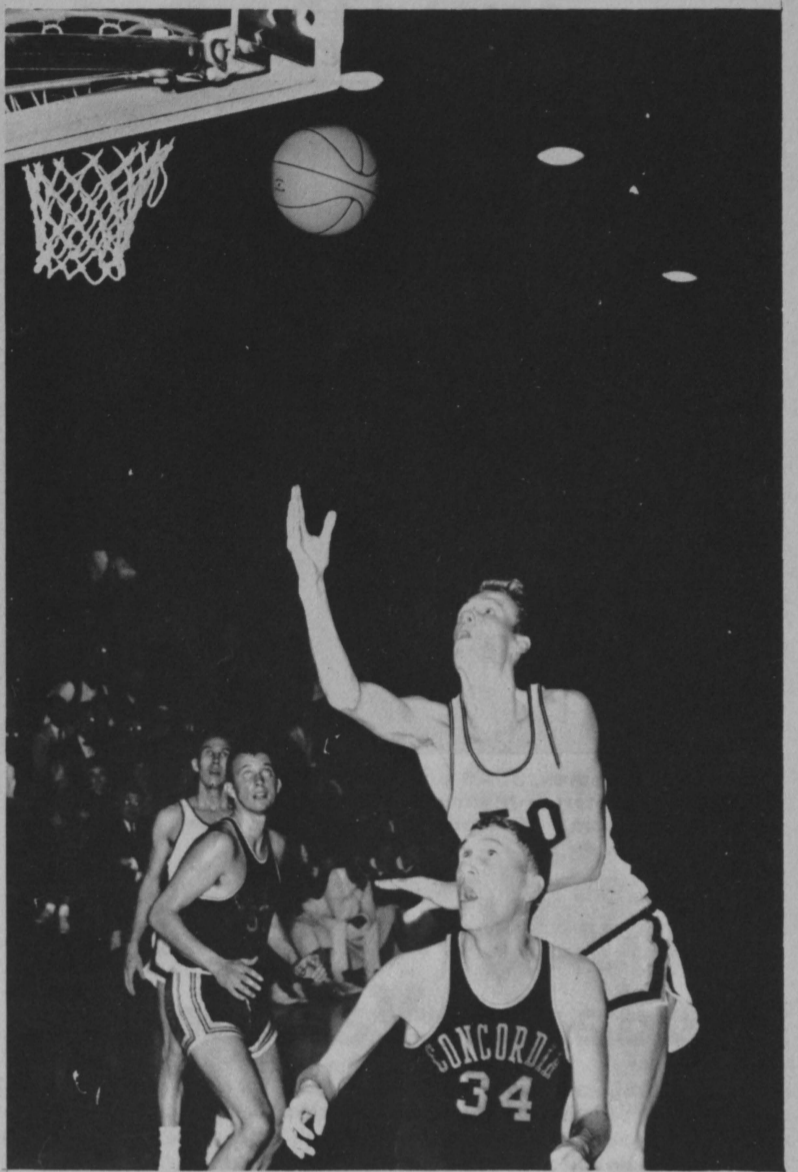
Neuberger feels he has adequate front line performers at most positions for 1960-61, but lack of reserves at most weight categories will create a serious problem during the season.

Only two lettermen from the 1959-60 squad are missing, but they were two of the top performers—Dale Hinkle, top scorer on the squad, and Larry Van Sickle, the third high scorer on the team.

Lettermen are back at four positions and Neuberger feels these four positions are more than adequately staffed. They are at 123—Bob Holmes, 130—Glenn Holte, 157—Frank Johnson, and 167—Dennis Whitson.

Neuberger also thinks that his 137 and 177 positions are capably manned by non-lettermen. Gary Yost is the 137-pounder and Paul Habighorst is the 177-pounder.

That leaves three positions, 147, 191 and heavyweight, that may be ineffective in early season because of inexperience.



Lynden Langen goes up for two points, as two Concordia defenders look on, in helping his team mates pick up their first win of the '60-'61 season. The NDSU Bison won the ballgame 71-70.

Classified ADS

WILL EXCHANGE—grey hat for grey hat size 7 1/2 accidentally taken at lutefisk supper at LSA Center Sunday night. Please return to LSA Center or Don Inwick at Churchill.

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O Christmas Tree . . .



John Kocourek, SUAB president, aids JoAnn Krumrey, program coordinator, in trimming the 21 foot Christmas tree in the Union Ball room. Incidentally, the Ball room ceiling is 20 feet high!

Many Work While SU Students Vacation

While NDSU students are enjoying their Christmas vacation, many of the departments on the campus will go on as usual.

Christmas Eve the night watchman and campus policeman will be making their rounds. Men at the power plant will be at work keeping the "life-lines" going for the campus.

Christmas Day, students and caretakers will be busy at the livestock barns and the greenhouses.

All school offices will be open during the regular hours except for December 26 and January 2. The secretaries will be busy with their usual routine.

Students and staff members will also be at work at the library and at the health center after December 26.

Cres, Dinan, Stockbridge and Dakota Halls will close December 23 at noon and will open Janu-

ary 2 at noon. Churchill Hall will not close because it will accommodate all men students who will be staying on campus.

Ceres Cafeteria will close at noon December 22 until January 4. The Union Cafeteria will be open except on December 25, 26, January 1 and 2.



AMATEUR RADIO SOCIETY

The Amateur Radio Society will hold a regular meeting on Wednesday, Jan. 11, at 4 p.m. The meeting will be held in room 202 of the South Engineering building. Lunch will be served after the meeting.

Job Interviews

Wednesday & Thursday, Jan. 11, 12, 1961

Sundstrand Corporation, Rockford, Illinois, will be represented on campus by Steve Polaski, manager of professional employment. Polaski will be particularly interested in conducting employment interviews with senior electrical, mechanical, and industrial engineering students for their machine tool, aviation and hydraulic divisions of the organization.

Wednesday & Thursday, Jan. 11, 12, 1961

Archer Daniels-Midland Company, Minneapolis, Minnesota, are interested in talking with senior and graduate chemistry students who may be interested in research, production or technical sales opportunities. Archer Daniels-Midland is active in research and development of such products as linseed oil, resins, plasticizers, wheat

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Wednesday & Thursday,

Jan. 11, 12, 1961

Dow Chemical Company will send James King to our campus for the purpose of conducting employment interviews with senior and graduate students from the Schools of Chemistry, Engineering, and Physics. The Dow Company employs college graduates for assignments in research and development, production, analytical and control, engineering, sales and technical services. Any student with an interest in the Dow Company is invited to register for an employment interview.

Thursday, Jan. 12, 1961

Iowa State Highway Commission will be represented on campus by Donald W. Zierath of the engineering personnel office. Zierath has requested the privilege of conducting employment interviews with all civil engineering students interested in highway engineering assignments. Contact the Placement Office prior to the interviewing date to arrange an interviewing appointment.

Friday, Jan. 13, 1960

Western Union Telegraph Com-

pany will be represented on campus by M. P. Romans. Employment opportunities are available in the areas of engineering, accounting and industrial management. Engineering graduates receive on-the-job training in development application, or field engineering. Accounting and business graduates are given formal training in all phases of their responsibility.

The Internal Audit Division Field Office, CSS U. S. Department of Agriculture, Minneapolis, Minnesota, is seeking to employ college graduates with 36 quarters of accounting and related subjects to fill a number of field auditing positions that are now open. These positions are filled through the Federal Service Entrance Examination and all interested students may contact the Placement Office for additional information.

York Corporation of York, Pennsylvania will not interview on campus but they do welcome letters of inquiry from any senior mechanical engineering students interested in the air conditioning and refrigeration industry. Information materials are available at the Placement Office.

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Jim is taking his son Bob on his first "white water" canoe trip . . .

STICK TO THE WHITE WATER!

WOW!

Jim had spotted the slate formation in the canyon . . . and realized smooth, inviting slicks could hide death-dealing flat rocks!

HIDDEN ROCKS, EH? I ALWAYS KNEW YOU'RE A MAN WHO THINKS FOR HIMSELF, DAD. THAT WHY YOU SMOKE VICEROY?

OF COURSE! VICEROY'S GOT IT... AT BOTH ENDS! GOT THE FILTER, GOT THE BLEND!

THE RIGHT TASTE BECAUSE
Viceroy's got it... at both ends

GOT THE FILTER... GOT THE BLEND!

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