

**Bison Tangle
With MSTC Dragons
Saturday Night**



**Military Ball
Queen Announced
Tonight At 11**

Vol. LXIII No. 11

North Dakota Agricultural College, Fargo, N. D.

Friday, December 5, 1952



John Babinski Edwin Boerth Loretta Brown Duane Lemon Patricia Geisler Thomas Monteith Alyce Mitchell Monte Piper Joann Johnson Jose Iranzo
Marilyn Hunter John Dean Lois Fitzloff David Kaspari Donna Wohl Eddie Kopperud Dorothy Morrow R. Van Wechel Janet Wolbert Richard Turner



D. Schlucter Clayton Hauge

Who's Who Gains 24 NDAC Seniors; Selections Based On Leadership, Ability

Twenty-four NDAC seniors have been named to "Who's Who Among Students in American Universities and Colleges" for 1953. Selections

are based on scholastic achievement, leadership abilities and participation in college activities.

New Who's Who members and their schools are John Babinski, AgE.; Edwin Boerth, AAS; Loretta Brown, AAS; John Dean, Ag.; Lois Fitzloff, HE.; Patricia Geisler, AAS; Marilyn Hunter, AAS; Clayton Hauge, Ag.; Jose Iranzo, Arch.; Marlowe Jensen, AAS.

Joann Johnson, HE.; David Kaspari, Ag.; Eddie Kopperud, Ag.; Duane Lemon, Ag.; Alyce Mitchell, HE.; Thomas Monteith, Ph.; Dorothy Morrow, AAS; Dale Peppel, IndE.; Monte Piper, ME.; Delorin Schlucter, Ag.; Richard Turner, ME.; Robert Van Wechel, EE.; Donna Wohl, HE.; and Janet Wolbert, HE. Pictures of Jensen and Peppel were not available.

Nominations for membership in Who's Who are submitted each year by a student-faculty committee.

NDAC Gets Photos Of Galaxies, Eclipse From Mt. Palomar

Several photographs and identical slides have just arrived at NDAC from the Palomar Observatory where the world's largest telescope is located, according to Dr. D. Q. Posin, head of the NDAC physics department.

Many of the photographs and slides are of the great galaxies which are tremendous clusters of stars. In each galaxy there are approximately one billion stars, and one billion different galaxies have been photographed.

The galaxy nearest the earth is about one million light years away and is known as the Galaxy Beyond Andromeda. Other features of the collection are pictures of the irregular surface of the moon.

This irregularity of the surface is caused by meteors falling into the moon, not by volcanic eruptions since there are no gases of any kind on the moon. There is also a series of pictures of Halley's Comet, which passed through the earth's atmosphere in 1910, and is scheduled to come back in 1985.

There are also photographs of a total solar eclipse which happened a few years ago and a series of pictures of sun spots. One group of photographs show the natural canals on the surface of Mars, and also the ice at one of the poles.

Pictures of Saturn's rings of Jupiter and one of its moons in transit and a photograph of Pluto which is 3,675,000,000 miles from the sun are included in the collection.

The Palomar Observatory, where these photographs were taken, has a reflecting mirror of 200 inches in diameter. Palomar Observatory is located at Mount Palomar, between Los Angeles and San Diego.

Blue Key Starts Bison Brevities Plans

Blue Key fraternity has begun arrangements for the 1953 Bison Brevities, according to Marlowe Jensen, director for the annual student variety show.

Individual directors will meet Monday, Dec. 8, in Room 101 of the college library to discuss the planning and rehearsing of separate acts. Two representatives from each organization interested in entering an act should attend the meeting, according to Jensen.

As in the past six years the show will be straight variety consisting of 15 minute production acts and five minute curtain acts. At the director's meeting Jensen will outline information concerning the time, placement of dates, allocation of money and answer questions the other directors have.

Says Jensen about the show, "I feel that Bison Brevities, as an extra-curricular activity, is a splendid outlet for the development of creative abilities, in such fields as writing, painting, organizing and music."

Architect Teachers To Display House For Average Budget

On Sunday, Dec. 7, and Monday, Dec. 8, a house built by Prof. Rueben Johnson, George Polk, both NDAC architect instructors, and Jack Akre, a West Fargo architect, will be displayed to the public.

Open house hours are Sunday, 12-10 p. m. and Monday, 5-10 p. m. The house is located one mile south of West Fargo on the Horace road.

Built in a contemporary style, the house embodies theories Prof. Johnson and Polk have been teaching. The instructors built the house last summer as an example of better housing for families of average size and income.

Basementless, the house nevertheless provides for as many storage facilities as the home with a basement. Two living rooms is another feature of the house. One room is for adult, formal living and entertaining and the other room for children or informal entertaining.

The informal living room is located next to the kitchen for convenient supervising of the children.

Radiant floor heating was installed at little additional cost over conventional heating methods, according to Prof. Johnson. For economy the plumbing is located in one wall. Storage space and a home workshop are included in the 20x20 garage. The house is furnished and has three bedrooms.

Music Club Organizes; First Meeting Dec. 9

Staff and Notes, a campus music club, will hold its first meeting Tuesday, Dec. 9 at 7:30 p. m. in Putnam hall. Any student interested in music is eligible to join.

Tokio Inoue, a student from Tokio, Japan, will speak on "Christmas in the Orient". Other features on the program are carols, music and research followed by a social hour.

Students performing will be Phyllis Pearson, Richard Novotny, Donald Hovland, Delores Mithun, Eugene Aylmer, Allan Drege, Jeanne Crawford, JoAnn Gray and Phyllis Gronhovid. In charge of the social hour is Bonnie Pederson, JoAnn Samson, Harry Otway and John Erickson.

Officers elected for the club are president, William Bonhus; vice president, Rita McConnachie; secretary, JoAnn Gray; treasurer, Gene Hartman; program chairman, JoAnn Klevberg; social chairman, Jeanne Crawford; membership, Jack Westra and publicity, Barbara Crank.

NDAC To Offer Ag Short Course

Approval for a Short Course in Agriculture, to be offered by the NDAC School of Agriculture, January 5-February 28, 1953, has been granted by the North Dakota State Board of Higher Education. Designed for persons with a background of farm experience who are interested in obtaining further training in the field of agriculture, the course gives a chance for study to those who do not have time or opportunity to complete the four-year agricultural curriculum.

The Short Course meets requirements of Public Law 550 (Korean G. I. Bill) so that veterans planning to enroll and desiring to obtain benefits under the law, may do so by writing for application forms prior to the beginning of the course, sending their requests to the Office of Admissions and Records, NDAC.

80-Voice Choir Will Sing At Convocation

A Christmas Concert will be presented at convocation Tuesday, Dec. 9, by the NDAC and the Gold Star Band. The concert will begin at 8:40 and will be held in Festival Hall.

An 80 voice choir will sing "The Advent Motet" and "Ye watchers and Ye Holy Ones". Men from the choir and the Men's Glee club will sing "Radiant Star" and "While Shepherds Watched Their Flocks". Selections of the band are "Christmas Rhapsody" and "White Christmas."

WANT ADS

Lost—Kappa Delta pledge pin, if found call 2-1079

Tryota Holds Meeting

At the Tuesday, December 9 meeting of the Tryota club, Ellen Richards, founder of the home economics movement and the American Home Economics Association, will be honored. The dessert meeting will begin at 6:30 p. m. in Ceres hall parlors.

Program chairman for the meeting is Beverly Kraus. Featured on the program is a talk on Hawaii by Eunice Anderson. Dorothy Ryan is in charge of the food and Janice Hamilton heads ticket sales.

At the November meeting 75 freshmen and transfer students were initiated into Tryota. Elaine Geisler was elected freshman representative on the Tryota council.

File For Students Use

One of the features of the NDAC library is the Pamphlet File which contains material sent out by the United Nations, state department, and other government departments.

This material is placed on file for the students research papers, and, if necessary, they can take it out and return it when they are finished with it.

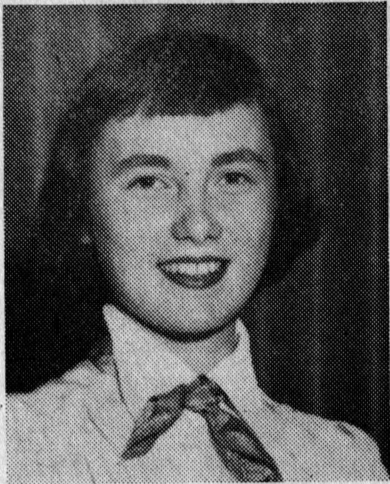
Scouts Elect Corder North Group Leaders

Alpha Phi Omega, national scouting fraternity, elected officers Nov. 20. Donald Corder is the new president of the group. Other officers are vice president, Larry North; secretary, John Noack; treasurer, Kenneth Moxness; historian, Norman Ulsacker; and alumni secretary, Gerald Kruger.

Who Will Reign Tonight?



Patricia Akre



Beverly Desmond



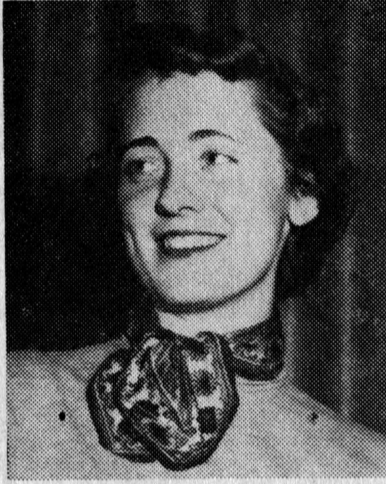
Beverly Ewald



Carole Kirkhus



Phyllis Silliman



Beverly Selland

Hultz To Crown Military Queen Tonight; Queen Voting Deadline Set For 10:30

Queen of the Military Ball will be announced tonight at 11 p. m. Pres. Fred S. Hultz will crown the candidate selected. Voting for the future queen must be completed by 10:30 p. m., according to Edwin Boerth, co-chairman for the dance. The queen and her attendants will be introduced at the coronation time.

All the candidates will be escorted into the ball by their dates while an honor guard from the AF ROTC gives the Queen Anne salute. A drill team will form a-guard around the stage during the coronation.

Decorations for the dance will be of a modern military theme consisting of abstract replicas of insignias of enlisted personnel of the armed forces. Red, white and blue will be the colors used. Decorations are handled by the decorations committee and the architect department.

Music by Paul Hanson, his new vocalist and his 14 piece band will start at 9 and last until 1 a. m. Tickets may be bought at the ND-AC bookstore and from any advanced AF ROTC student; tickets are a dollar per couple. The dance is open to the general public.

Hultz Guest Speaker At Conservation Dinner

President Fred S. Hultz of NDAC was guest speaker at the 14th annual convention of Soil Conservation District Supervisors, in Minot, last Monday, Tuesday and Wednesday.

Dr. Hultz addressed the group during the evening achievement banquet Monday, outlining some of the aims and accomplishments of North Dakota Agricultural College.

The banquet was sponsored by the Greater North Dakota Association, North Dakota Press Association and the North Dakota Bankers Association.

The world is full of willing people—some willing to work, and others willing to let them.

Teacher Evaluation Lists Ready To Use

President John Dean called the Student Senate meeting to order last Monday night. The minutes of the last meeting were read and approved. All members were present.

Spectrum bills due for advertising the homecoming dance and charges for bonding the Commission of Finance were ordered paid on a motion by Monte Piper, seconded by Dale Peppel and carried.

Letters of appreciation for invitations to the banquet honoring the football team received from Dean Sevrinson and Steve Gorman were read.

The Senate discussed the need for an assistant advisor for the Student Commission. Dale Brostrum was appointed to the position by a motion from Dale Peppel which was seconded by Richard Hill.

The Acca representative of the YMCA, William Overholt, asked the Commission for criticisms and suggestions regarding the role of that organization on this campus. The meeting was adjourned on a motion by Richard Hill, seconded by Marlowe Jensen and duly carried.

Respectfully submitted,
Mancur Olson, secretary

SENATE MINUTES

On Nov. 20 Pres. John Dean called a special Senate meeting. Mancur Olson was elected to be part of the planning committee to select topics for the conference on Higher Education planning. Olson and three others to be elected later will attend this conference next fall.

At a later date a pictorial set-up of the student government will be printed in the Spectrum. Teacher evaluation charts are now ready for any teacher wishing to use them. The results will go no farther than the teacher if he wishes. If a student would like to see the sheets used he may ask the teacher for this privilege.

Respectfully submitted,
Patricia Geisler, Secretary

'U' Of Idaho Says, "Treat Co-eds Like Mature Women"

Idaho Argonaut U. of Idaho—in many states when girls are 18 they are considered old enough to get married. In all states they are old enough to join one of the women's services. When a girl graduates from high school, she has her choice of going on to college, getting a job or getting married.

It is assumed in all instances she has enough sense and maturity of judgement to take care of herself.

Yet at the University of Idaho the "girls" are watched over like inmates of an institution. Their supervision is closely related to baby sitting. Names on the sign-out book are scrupulously checked off as the girls report to their housemothers not later than 10:30 p. m. and 1 a. m. on weekends.

If university coeds are treated like youngsters, chances are great they will act accordingly. If moral behavior is the excuse for setting a deadline to be in, I wonder who thinks students who plan to commit crimes of any sort couldn't do it just as well before the deadline.

It isn't that coeds want to stay out until the wee hours of the morning. They merely want to be treated like mature college women. Many girls have said they wouldn't stay out until the last minute if they knew they didn't have to be in.

There are so many instances which are completely reasonable and moral when coeds may not want to be in at the restricted time.

It seems a completely ignorant rule to set a time for college women to be in. Why not give them a chance to show how mature they are?

IRC Elect Williamson, Moll, Anderson Leaders

Gene Williamson has been elected president of the International Relations club. Other officers are vice president, Jean Moll; and secretary-treasurer, Pat Anderson. Co-faculty sponsors for the group are Dr. Norman Wengert and Marko Haggard.

"Largest Book Checkouts In Mid-Quarter Months," Comments Stallings In Survey

Records of book additions and rate of book usage for the NDAC library during the year 1951-52 have just been compiled and released by H. Dean Stallings, head librarian.

According to the statistical report, 1874 books were added during this period, and 42,609 books and periodicals were checked out by students and faculty members.

The completed survey reveals

that book checkouts by student borrowers were greatest during the months of November, February and May. As an incidental note, the College catalog for the year lists "mid-quarter exams" during each of these three months.

"The total checkout figures do not include books used by students in the open stacks," commented Stallings, "we know that many students do study in the stacks and use books for which there are no circulation statistics. Neither do they include complete records of circulation through departmental libraries."

The library subscribes to 855 different magazines; receiving an additional 234 as gifts. A total of 68 newspapers are to be found on the shelves. Included within the library collection in addition to general and specialized books and reference books, are a wide selection of journals, publications of associations and societies, government publications, maps, films, slides, records, and indexes and abstracting services.

Experiment Station Names 4 Members To Research Group

Four members of the NDAC Experiment Station staff are members of a 10-man committee named to suggest research for improving spring wheat. The committee also includes two research scientists from Montana and one each from Colorado, Wyoming, South Dakota and Wisconsin.

The North Dakotans are Dr. R. H. Harris, cereal technologist; T. E. Stoa, agronomist, and Drs. L. R. Waldron and G. S. Smith, plant breeders. Dr. Smith, head of the NDAC division of plant industry, is chairman of this national spring wheat committee.

Organized under direction of the USDA Agricultural Research Administration, the committee is expected to make recommendations for a research program which would probe such factors as breeding, disease and drought resistance, insect problems, agronomic and physiological problems, commercial quality and marketing.

The committee was chosen by Experiment Station directors of the spring wheat states. The study will cover both the hard red spring (bread) wheats and the durum (macaroni) wheats.

Hovda Talk Highlights Newman Club Meeting

Father Robert Hovda will be the guest speaker at the regular meeting of Newman club, Sunday, Dec. 7. His address will be on the topic of the Lay Apostolate. A discussion will follow the address. Although the subject, Lay Apostolate, can cover any Catholic action by a lay person, Father Hovda will speak only on one aspect of this broad field.

A convert of Catholicism, Father Hovda attended Hamline university at the beginning of his college life. Later he transferred to an Episcopalian seminary. From there he transferred to St. John's at Collegeville, Minnesota, where he became a convert in 1943.

The liturgical movement which advocates the recitation of English in church rites instead of Latin interests Father Hovda particularly. Several of his literary works have appeared in Today and Worship. He teaches at Shanley High School.

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Miller Sets Schedule For Exam Week

For classes that meet regularly at:
 8:00 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh or TThS
 1:15 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh
 9:00 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh or TThS
 2:10 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh
 10:00 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh or TThS
 11:00 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh or TThS
 3:05 MTWThF, MTWTh, MTWF, MW, MWF or MWThF TTh

Time
 8-10 Dec. 17
 10-12 Dec. 17
 1-3 Dec. 17
 3-5 Dec. 17
 8-10 Dec. 18
 10-12 Dec. 18
 1-3 Dec. 18
 3-5 Dec. 18
 8-10 Dec. 19
 10-12 Dec. 19
 1-3 Dec. 19
 3-5 Dec. 19
 8-10 Dec. 20
 10-12 Dec. 20

Ceres Hall Elects Dormitory Council

Ceres hall elected its dormitory council last Monday night. The council includes Virginia Falter and Joan Seeklander, representing second floor; Gayle Quam and Joan Ziesdorf, east corridor, third floor; Margaret Ford, single corridor, third floor; Jeanne Crawford and Virginia Lidstrom, south corridor, third floors and Joan Just and Carol Hanson, west corridor, third floor.

Panty Raids Hit Miami 'U' Season Late

The panty raid fever subsided on most campuses last May, but students at the University of Miami, in typical Florida fashion, are

WANT AD
 Wanted—11 men to occupy four spacious bedrooms with a private bathroom. Rooms are located across the street from the college on 12th avenue. For further information call John Giguere, 2-0426 or the Dean of Men's office.

enjoying the summer sport in the winter. About 500 boisterous males two weekends ago assailed the fenced-in girls' area, leaped over the barricade and made off with a number of "unmentionables." They didn't find the girls as receptive as last spring. Most of the coeds seemed bored and tried to sleep through the noise. Three students who participated in the riot were expelled from school, and several other are being considered for expulsion.

"It makes us look silly," explained the president. "There will be penalties." Fraternities and sororities on campus promised to do all they could to prevent further riots. They said they would remove from their roster members who participated. Commented the Miami Hurricane: "The panty raid last spring was not planned . . . It is another thing to plan such an outburst. Spring fever allows no excuse this time. Mob psychology is a dangerous thing—so is premeditated thievery and breaking of the rules."

All Collegiates meet at the
A. C. HASTY TASTY
 Where the food is tasty and the service is hasty
 Across from the campus

WHERE FRIENDS MEET—
THE EMPIRE
 424 Broadway Dial 4705



Granny is now eighty-three
 And yet she's spry and plucky—
 Her motto is a simple one,
 Be Happy and Go Lucky!
 Darlene Davis
 Fresno State College

Luckies always pass the test:
 They always make the grade—
 They're cleaner, smoother than the rest
 Because they're better made!
 David M. Burns
 Princeton University



COLLEGE STUDENTS PREFER LUCKIES IN NATION-WIDE SURVEY!
 Nation-wide survey based on actual student interviews in 80 leading colleges reveals more smokers prefer Luckies than any other cigarette by a wide margin. No. 1 reason—Luckies' better taste. Survey also shows Lucky Strike gained far more smokers in these colleges than the nation's two other principal brands combined.

LUCKIES TASTE BETTER!

They're made better to taste cleaner, fresher, smoother!

Ask yourself this question: Why do I smoke?

You know, yourself, you smoke for enjoyment. And you get enjoyment only from the taste of a cigarette.

Luckies taste better—cleaner, fresher, smoother! Why? Because Luckies are made better to taste better. And, what's more, Luckies are made of fine tobacco. L.S./M.F.T.—Lucky Strike Means Fine Tobacco.

So, for the thing you want most in a cigarette . . . for better taste—cleaner, fresher, smoother taste . . . Be Happy—Go Lucky!



An apple used to do the trick,
 But grades don't bother me—
 I give my prof this one sure tip
 That L.S./M.F.T.
 Edward Siegel
 University of Florida



FOR A CLEANER, FRESHER, SMOOTHER SMOKE . . .

Be Happy-Go LUCKY!

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 From NDAC

What's On Our Mind

America Must Guard Democracy, Dangers Exist On All Sides

Factions in our country are attempting to stimulate conformity. In 1945 we fought "to make the world safe for democracy", to obtain human rights for the oppressed, to defeat curtailment of civil liberties and other idealistic goals.

Today we are diverted from that struggle to concentrate on another totalitarian threat—Communism. How are we counteracting this threat, reportedly greater and more menacing. By winning men's minds? By stimulating freedoms of thought and expression? By safeguarding academic freedom and liberty? By using comparison and example to show the superiority of the democratic ideals? Or are we using the means in 1952 that we abhorred in 1942—means that are the antitheses of the democratic ideal?

Too many people have the attitude that fascism and authoritarianism start on a vague level where no opposition can be taken. Too many other people succumb to the narcotic advertisements on the radio and in the press which venerate "The American way of life", "our heritage of freedom" and "The American way is the best way", without ever stopping to evaluate the statements or examine the philosophy behind the emotion.

A naive belief in the self-perpetuating powers of freedom and abundance is prevalent in the United States today. These things are not self-perpetuating but must be fostered. Fascism begins at the personal level—it begins in homes, schools and churches. It flourishes in atmospheres of oppression and suppression. Witch-hunting and book-burning are the spectacular aspects of the trend, threats to suspend the Bill of Rights and the activities of Congressional committees are the publicized aspects. But what about such insidious aspects as attacks on public schools, teachers, discussion groups, intellectual, political and socio-economic leaders

Is the freedom to believe as zealously guarded as the freedom to disbelieve? Is the right to petition merely respected as a right or reverence? Does anyone care what becomes of citizen or student petitions? How much actual responsibility does the student government on this campus have to determine significant policies? Who is the final authority and to whom is final responsibility relegated? Are student or teacher committees respected and heeded, or are their decisions mere formalities to be overruled through prejudice or caprice? No one can seriously argue that a school is a democratic institution, but in so far as coordination and cooperation can lead in that direction, are they being utilized?

The great danger in the world today is that we will be so stampeded by fear and hysteria that we will cease to recognize the threat from one source in our preoccupation with the threat from another. We cannot maintain an ideal of democracy while employing the restrictive and coercive methods of authoritarians.

Women Not By Nature Nosy—Only Pry; Open Daires Furnish Tempting Lure

by Joan Evenstad

Now, by nature, I'm not a nosy person, but when I walked into her room and saw her diary open on her desk, well . . .

Monday, November 17, Dearest Diary, Psychology at eight this morning — Monday mornings are bad enough but today he talked about conflict, drives, emotion, and frustration; I don't even know how to pronounce them, let alone understand what he is talking about. How can a person be frustrated? It's way over my head.

Then phy. ed. Gosh, we had to wear those black T shirts sewed up at the bottom and dance across the stage ALL BY OURSELVES! I did okay on the Polka, but I got my left leg caught behind my right knee on the waltz and I nearly died when everybody snickered. I never want to go back to that class again.

Letter from George today. He hasn't received my letter yet bawling him out for not writing but how was I to know he was in the guard house.

Tuesday. Wrote letter of apology to George today. Heard from Joyce that Peter is stepping out on me. Gosh, those fellows just can't be trusted by a gal when she's away at college. Men are so fickle.

Met the cutest boy in English class today and I tried like mad to catch his eye. Sure hope he notices me. What a way to spend an evening — writing in a diary.

Wednesday. Man, oh man! What an algebra test! Five hours study-

ing last night so what does he ask? If x equals 6, z equals 4, and r equals 9, how many two cent stamps would one have to put on a package to Siberia? Now, I ask you, Diary, what chance does a girl have figuratively, with a class of all boys and a test like that?

Thursday. Oh, Diary, I could die! I stayed up all night studying chemistry and when I got to the test I was so tired I couldn't figure out how many feet there are in a pound of chlorium sulfate with a density of 5394 degrees centigrade and a pressure of 160 cubic centimeters. I know I failed, and what will Mother say?

Another Thursday night, just like the last three Thursday nights. Every time the telephone rings my heart almost jumps out of my neck but they never have a call for me.

I can't understand it; he said he would call on Thursday after I met him at the dance, and I haven't heard from him since. I wonder if I should call him? Maybe he forgot my number — but I gave him my card. Better stop worrying and study for history.

Friday. Letter from George—he's mad cuz I was mad. He wants to call it quits. Peter sent back my ring and wants his, cuz he is going steady with another girl. Got 42 per cent in math and 38 per cent in chemistry. I still can't figure out what the term frustration means. No calls, no dates, no marks, and no mail!"

Shocked at what I had just read, I quietly tip-toed out of the room.

LCT Stages Unique Production Tuesday

by Wesley Rae

One of the most unique productions in years will be presented at the Little Country Theatre on Tuesday and Wednesday, Dec. 9, 10. Several completely new features will be added to the repertoire of the theatre.

For the first time, a genuine, authentic opera—yes, an opera—will be given. And it's not the old fashioned grand opera either. It is Gian Carlo Menotti's modern Christmas production, "Amahl and the Night Visitors". Menotti wrote this opera last year for television.

Danny Posin, who you may remember from "Antigone" and that fabulous production, "Gold in the Hills", is playing Amahl. Although he is only 11 years old, Danny has become a familiar figure in local theatres. Besides his work at the LCT, Danny has taken part in the Christmas festival at Benjamin Franklin school, where he is a student, and he played the part of Uncle Sam in the Fargo Playground Activities program last summer. Danny has been in a Hollywood production, too, where he played the part of the son in Republic's production of "The Atom Problem". His ambition is to be an actor, but he is also talented in the fields of music and art.

"Amahl" will also feature a rustic ballet danced by members of the physical education department. Joyce Rutherford, Arlyss Elliott, Francine Simons, and Dorothy Lund are the dancers.

Definitely new is Menotti's music. It is not only new Christmas music, but it is entirely new music in harmony and design, too. Pianist Bonnie Litzinger and organist Allen Drege worked long hard hours to master the music. Now their only problem is trying to figure out who plays what and when.

The architecture department designed the sets, which are suggestive rather than realistic. The physical education department has charge of the dance, and the speech and music departments are directing the acting and musical angles. These four departments are all cooperating in the production of "Amahl".

So as you wander past the Little Country Theatre these crisp, tangy days, don't let the grotesque screams and ghastly harmonies disconcert you; it is not the wail of an errant banshee, nor is it an ailing cow quartered on the stage. No, it is just "Amahl and the Night Visitors" going into the final week of rehearsal.

Many Cuts Unnecessary, Sophomores Skip Most

A poll at Smith College, Mass, shows that sophomores do more class cutting than other students. Fifty-eight per cent of the class cut at least once a week.

Three main reasons for cutting were given: Studying for exams; dull classes; and (for Saturday classes) out-of-town weekends.

Commented the Sophian, student newspaper, "The reasons or excuses for missing class reveal neither maturity nor responsibility. The most frequent excuse, studying, shows, if not a poor value judgement, at least a lack of planning. The dull class routine is even more ridiculous."

THE SPECTRUM

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Editor-in-chief.....Dorothy Morrow
Editorial writer.....Ruth Haynes
Sports Editor.....Sam Lowe
Social Editors.....Loretta Brown, Grace Lehman
Reporters.....Pat Carlson, Betty Lou Danielson, Mary Pat Murphy, Lee Anderson, Judy Sherwood
Business Manager.....Richard Hill



Players rehearse accusation scene from the opera. From left to right they are Charles Flaa, Richard Novotny, Wesley Rae, Richard Berg, kneeling, and Danny Posin. Jacolyn Brekken cringes in the foreground. Photo by Walt Junkin

Orphan Parties Highlight Social Swirl

by Grace and Lorrie

YA' KNOW

. . . the guy that picked the Thanksgiving date wasn't thinking. You just get rid of the old Thanksgiving turkey when it's time to start working on the Christmas bird. Oh well . . . cold drumstick, anyone?

RINGS AND THINGS

. . . Ronald Grothe, ATO, and Joan McKenzie were married Nov. 21.

. . . Alpha Gamma Delta Becky Calderwood is engaged to AGR alum Nelson Stave.

JEWELRY EXCHANGE

. . . Alpha Gam Janet Bosworth received the AGR pin of Gary Gibbons at the romantic hour of twelve noon on Wednesday before she left for Thanksgiving vacation.

. . . Don Anderson, ATO, is pinned to Donna Chartier who is a student at MSTC.

. . . Nancy Shelly, a Theta from UND, is now wearing Louie Van Slyck's SPD pin.

. . . Joyce Martin, Beta Theta at

Minot Teachers, is pinned to ATO Paul Vogel.

. . . Patty Ann Dittus is wearing the SPD pin of Don Turner.

. . . Lost—Sam Lowe's ATO pin. Theta Elaine Forbes found it and Sam says she can keep it.

CONGRATULATIONS

. . . go to the two new Kappa Delta actives, Roberta Thorson and Nancy Sherman. They were initiated on Nov. 23.

PARTIES, BANQUETS, & BALLS

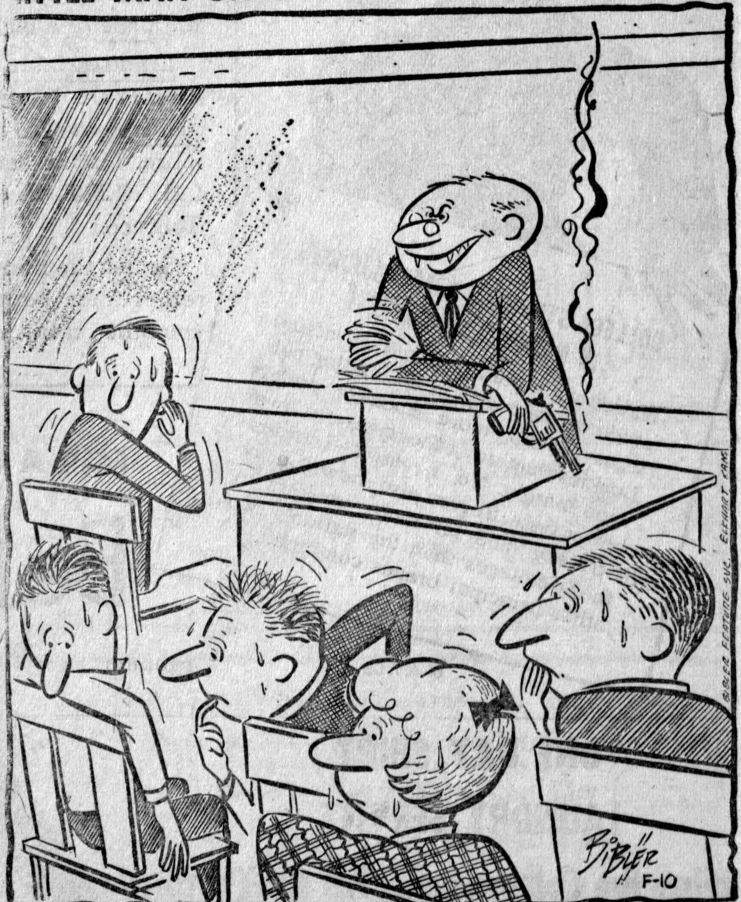
. . . the Kappa Delta pledges entertained the pledges of Theta Chi, Sigma Chi, ATO, Gamma Phi, and Alpha Gam and Phi Mu on Wednesday at their sorority house.

. . . the Gamma Phis and ATOs had their annual Christmas party for the orphans at the ATO house on Wednesday. The gals furnished the surprise packages for the youngsters and the fellas supply the lunch.

. . . the Kappas had a combination tree-trim and record party on Wednesday at the Kappa house.

LITTLE MAN ON CAMPUS

by Dick Bibler



"I'll continue now, if there are no further irrelevant questions."

US Government Holds Chinese Students

Chinese students in America are caught between two governments. Recently the United States government banned Chinese students majoring in science and technology from leaving the country. The law, passed to prevent American-trained Chinese students from being of service to Communist China, make it impossible for many of the students to return to their families in their homeland. Some

of the students don't want to return anyway, for they have heard that American-trained Chinese find life difficult in Red China. At the same time, these students know they will have trouble getting good jobs in America. Those with M.D.'s are refused permission to practice in most states. Result: many highly trained Chinese students are doing menial labor.

Library Features Guatamalan Exhibition

On exhibition this week in the library is a collection of fabrics, jewelry and wooded objects from Guatemala. All of these articles are handmade by the Guatemalan

Indians and displayed by Mrs. William Hoyman.

For the past eight years Mrs. Hoyman's parents have lived in Guatemala where her father works with the Iowa State College Tropical Research at Antigua.

Mrs. Hoyman's mother sends the Guatamalan handicrafts to her daughter's shop. When she needs to reorder, Mrs. Hoyman writes her mother who picks out the items and sends them to the Fargo shop. Mrs. Hoyman's sister also has a Guatamalan shop in Ames, Iowa.

Anyone wishing to see Mrs. Hoyman's collection or purchase some articles from the Guatemalan Shop may call Mrs. Hoyman for appointment.

Dairy Students Needed

Fairmont Foods of Omaha, Nebraska, wants qualified dairy technology students to join their research staff. Students who graduate during this school year are urged to contact the Fairmont representative who will be on campus soon.

Fairmont Foods is one of the biggest dairy companies in the entire Midwest. One of their plants is located in Moorhead.

Xmas Greeting cards 50c—55c—\$1.00 per box
Xmas wrappings 10c—15c—25c
Enclosures & seals 10c per pkg.
Xmas cord 10c ball
Fraternity & Sorority Bracelets
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Every Greek house should have one.
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Debate Club Elects Janneck President

Officers elected for the Lincoln Debate club are Harold Janneck, president; Joseph McNellis, vice president; Bernie Kylo, secretary; and Mancur Olson, treasurer. Faculty sponsor is Dr. Frederick Walsh.

Resolved: That the congress should enact a compulsory employment practices law is the national collegiate debate topic for this year. The club has scheduled three trial debates; two at MSTC, Jan. 8 and Jan. 22 and one at Concordia, Jan. 14. These debates will be non-decision.

Members of the club will participate in the Red River Valley Tournament, Feb. 6-7.

Society Initiates 17 New Members

Scabbard and Blade, National Honorary Military Society, initiated 17 new members into their society Nov. 14.

Those initiated were Douglas Boling, John Hagen, Irvin Meyers, John Brummond, Robert Elton, Wesley Hodges, Marvin Leintz, Norman Moen, Ray Moir, Bob Nenner, Ronald Rasmussen, Frank Rose, Paul Rulifson, Kent Sherwood, George Sommers, and Douglas Williams.

The Military Ball

- TONIGHT -

Dancing: 9:00 P. M. — 1:00 A. M.

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Coach Roy Domek Scouts Bison Cagers; Cobber Zone Defense Explains Victory

by Sam Lowe

Coach Roy Domek of MSTC got a good look at the Bison team which his boys will face tomorrow night. He was one of the striped shirt boys for the Concordia game last Tuesday night.

The Cobber zone defense is the explanation for their fine showing in holding the Herd to the relatively low score. Couple this with the first game jitters that the Bison had, and the result of the game is pretty clear.

Bob Lauf picked up his first foul of the season when he scraped his beard across the opposing center's neck. Keep an eye on Walt Fogel and his over-the-head shot. His timely baskets kept the Bison in the game when things were looking pretty dark.

Scott (I-suppose-I'll-dress-for-the-game-so-we-draw-a-crowd) Thayer will be back at his regular guard post after the MS game, according to Chuck Bentson. The fiery play-maker will still have to be used sparingly in order to protect his bad ankle.

★ ★ ★

Every year about this time usually normal students become howling, shrieking maniacs. Prodigies from all walks of life who go to college to get an education suddenly allow themselves to become victims of mass hysteria.

They sit, part of the time, jammed into a hot arena of some sort or another while they watch ten grown men throw around a leather spheroid. When one of the scantily-clad members of the participating ten men happens to throw the round chunk of air surrounded by leather, of course, into an iron doughnut which is decorated by a lace frill, the entire congregation becomes as one maniac and utters one helluva beller.

The stars of the fray seem to be two older men who wear striped shirts and black pants. These two play the entire affair without substitution. However, the crowd very rarely applauds the pair but the policemen are usually nice enough to give them a ride home in their black and white Fords.

When the numbers on the clock indicate that the home team is ahead at the end of the so-called game, all the local fans go out and celebrate with some powerful beverage. Should the other five men be victorious, all the local fans go out and drown their sorrows with some powerful beverage.

This fever has been known to last from the latter days of November until the early days of March. Great game, this James Naismith invention known as basketball.

★ ★ ★

Got a press release from the Amateur Athletic Union which was supposed to be an immediate release. It was dated Nov. 16, but it was so interesting (?) That Yertz Trooly will make mention of it.

The bulletin stated that girl's schools and co-ed colleges are urged to cooperate in the development of more girl athletes in track and field events so that Uncle Sam's chances in the 1956 Olympic Games will be strengthened.

In an article in Parade magazine, some guy in the know about this business states that "it is a shame that America doesn't give her girls more of a chance to be great". This guy doesn't know about the track and field events which take place

every November when Sadie Hawkins Day rolls around.

★ ★ ★

Congratulations to the fabulous four Bison gridgers who were named to the NCC all-conference team. This may be a little (three weeks, to be exact) late but these guys deserve all the credit which they are given.

★ ★ ★

Now that most of the loyal fans from Old State have had a chance to see the Bison in action, opinions are being formed about the chances of another championship for the NDSers. This is a touchy subject for reporters cuz there is always an old paper laying around someplace at the end of the season and that ink doesn't make very good seasoning on the paper when it is et.

If anyone wants to see some real basketball playing, drop over to the Field House some Thursday nite and watch the sororities and other girl's teams in action. You probably won't be able to recognize the game, but then who cares about the games anyhow?

Bison Open Home Season With MSTC

Coach Chuck Bentson's NCC champs will open their home season tomorrow night when they face the Roy Domek coached Dragons from Moorhead State Teachers college at 8 p. m. in the NDAC Field House.

The Dragons opened their season last Wednesday against the Valley City Vikings while the Bison dropped a 69-59 contest to the Concordia Cobbers.

Coach Bentson remarked that the Bison were starting slow this year, which may account for the loss to the Concordia squad. The Herd was forced to use only two of last year's regular starters in the Tuesday game. Except for their first game jitters the starting five did well.

Leading the MSTC quintet will be captain Carl Hedstrom and big Orville Gran who are always serious scoring threats. Coach Domek is counting on a number of new men to provide a high scoring punch.

Bentson will probably start the same five who opened the game against the Cobbers, Rog and Rod Fercho at guards, John McDermott and Duane Anderson at forwards and Don Fougner at the pivot spot. Walt Fogel, Kenny Reitan, Bob Lauf, Lyle Fugleberg, and Jerry Geisler will probably be called on for action.

A preliminary between the freshman squads of the schools will start at 6:30.

Cobbers Top Herd Graceful Grut . . .

In 69-59 Contest

Concordia's Cobbers downed the NDAC Bison, 69-59, in a wide open basketball battle on Cobber ground last Tuesday evening.

The Bison-Cobber cage clash was the feature event of the dedication of the new Concordia fieldhouse. A capacity crowd was on hand in the cage opener for both schools.

Coach Chuck Bentson opened the game with the Fercho twins at the guard posts, Duane "Grut" Anderson and John McDermott at forwards, and Don Fougner at center. Concordia opened with their veteran line-up of Severud, Smestad, Moe, Redmond, and Norness.

The first quarter saw a see-saw battle in which neither team was able to pull away. The lead constantly changed hands, and the quarter ended with the count tied at 12-12.

In the second quarter of the contest, the Cobbers caught fire. The Bison were held to a mere 11 points, while the Cobbers bucketed 18. The Moorhead school led at the half, 30-21. Closing minutes of the first half saw wholesale substitution by Concordia. Four new men went out on the floor to relieve regulars.

The third quarter was the one in which the Herd did their best. The NDAC team poured in 17 points, paced by the rested John McDermott, and "Grut" Anderson, and reserves Walt Fogel and Ken Reitan. Third quarter tally was, 43-37.

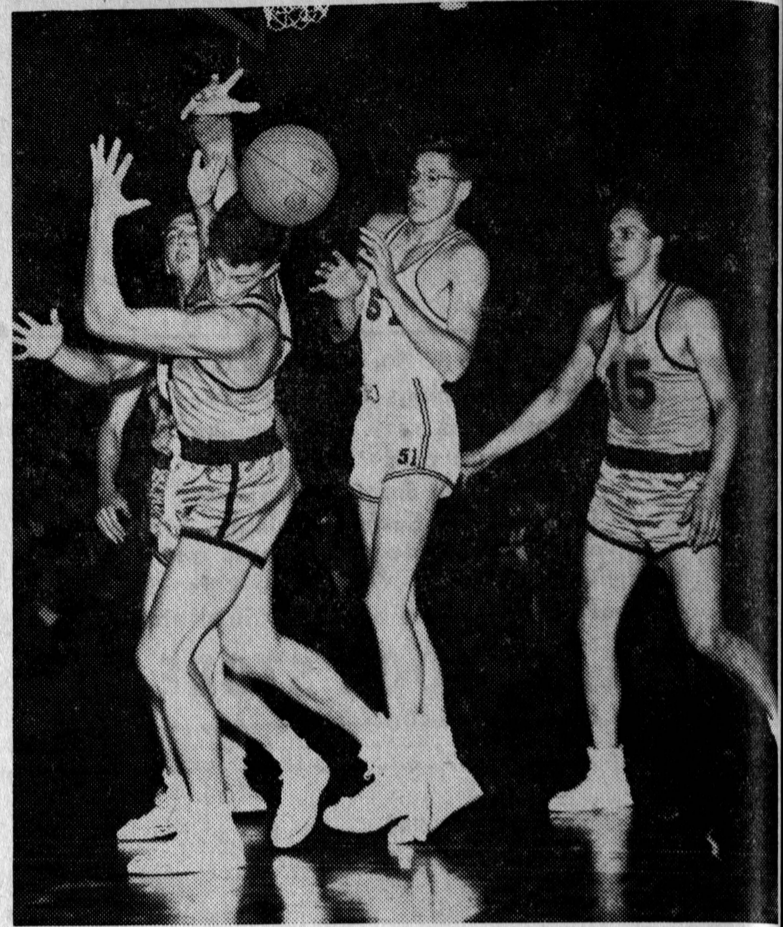
As the game drew to a close the Cobbers cut loose with a powerful scoring attack that left the Bison in the lurch. Twenty-six points were racked up, as against 22 for the Bison.

Hod Norness, with five baskets and 13 free throws led the game's scoring parade. Hard on his heels came Bill Quenette, also of Concordia, with 16 points.

Playing a terrific game for the Bison, Walt Fogel led the Herd scoring parade with 12 points. John McDermott and "Grut" Anderson, both of whom finished strong after poor starts, followed Fogel for the Bison, with 10 points apiece.

Don Smestad and Mac Redmond followed close on the heels of Norness and Quenette for the Cobbers, racking up 12 and eight points, respectively.

Don Fougner, with six points, Roger Fercho with six, Rodney Fercho with five, Ken Reitan with



'Grut' Anderson, NDSC forward, does a balancing act with the ball while Don Fougner of the Bison and Hod Norness play spectator. Photo by Bill Hayes

eight, and Jerry Geisler, with one were the other scorers for the Herd. Lyle Fugleberg and Bob Lauf also saw action for NDAC, but did not score.

Both teams used 10 men, in the hardcourt tussle, as both coaches, Bentson of NDAC and "Crafty Jake" Christianson of Concordia, experimented to find the best combination of players. The Bison showed up as a team with a lot of experience and a lot of potential. The Cobbers showed surprising poise for so early in the season, and they displayed an abundance of height on their bench.

Before game time, several corsages were presented to various ladies in attendance. Dick Holzer, one of Fargo-Moorheads' all-time basketball greats, threw out the first ball on the new Concordia court.

In a preliminary tilt, the Class A Wahpeton Wops, licked the Class B Oak Grove of Fargo squad, 56-35. A half-time feature was a fun-fest battle between two Moorhead teams composed of local talent.

RECORDS

This list considered outstanding in the area last week.

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AT THE MILITARY BALL

WALT JUNKIN, PHOTOGRAPHER

North Central Coaches Pick Esposito, Lauf, Noland, Thurm For All-Conference Honors

NDAC's second place football squad placed four men on the North Central all-conference team. Iowa Teachers, the conference champs, had six men placed on the 22 man mythical crew. The Bison named to the team are halfback Bennie Noland, also chosen the most valuable player in the NCC; quarterback Frankie Esposito, one of the top passers in the conference; end Chuck Thurm, leading pass receiver; and tackle Bob Lauf, defensive tiger on the team.

able mention in the balloting. Ray Paxton, Bob Nenninger and Gene Garastik were accorded mention for their play of the past season. The entire team includes: Ends—CHARLES THURM, NDAC; Mahlon Kaylor, ISTD; Richard Ryan, NDU; and John Boice, Morningside. Tackles—ROBERT LAUF, NDAC; Bud Roway, ISTD; Robert Jennings, SDU; and Ordell Brase, SDU. Guards—Karl Rauch, ISTD; Larry Harpster, Morningside; Lou Guida and Charles Stetson, SDS. Centers—Lou Bohnsack*, ISTD, and Leonard Kortmeyer, SDS. Backs—BENNIE NOLAND and FRANK ESPOSITO, NDAC; John Cory, and Bill Olson, ISTD; Rich-

ard Weikert, Morningside; and Dennie Erie, Augustana. Honorable mention was given to ROBERT NENNINGER, RAY PAXTON, and GENE GARASTIK, NDAC; Jack Richardson, Jerry Welch, and Robert Durland, SDS; Dick Beetch, Jim Miller and Bill Paulson, ISTD; Jim Fowler, Buck Miller and John Pady's of Morningside. Charles Reynolds and Wendell Stengeland of Augustana; Ralph Polenz, Fred Rovere and Maurice Rawlings of SDU; Dick Widseth, Robert Baertsch and Joe Wrigley of NDU. * Lou Bohnsack of ISTD won the center position on the offensive team of the Associated Press Little All-American team last Tuesday.

GIRLS BASKETBALL—

Schedules for the forthcoming girls' basketball season have been released from WAA. Eight teams have entered the Round Robin series representing the six sororities and the girl's dormitories. The schedule is as follows:

- Dec. 4 7:00—Alpha Gamma Delta—Ceres
Kappa Alpha Theta—Dakota
8:00—Phi Mu—Kappa Delta
Gamma Phi Beta—Kappa Kappa Gamma
- Dec. 11 7:00—Phi Mu—Kappa Kappa Gamma
Kappa Delta—Gamma Phi Beta
8:00—Alpha Gamma Delta—Dakota
Ceres—Kappa Alpha Theta
- Jan. 8 7:00—Alpha Gamma Delta—Kappa Alpha Theta
Ceres—Dakota
8:00—Phi Mu—Gamma Phi Beta
Kappa Delta—Kappa Kappa Gamma
- Jan. 15 7:00—Alpha Gamma Delta—Phi Mu
Ceres—Kappa Delta
8:00—Kappa Alpha Theta—Gamma Phi Beta
Dakota—Kappa Kappa Gamma
- Jan. 29 7:00—Kappa Alpha Theta—Kappa Kappa Gamma
Dakota—Gamma Phi Beta
8:00—Alpha Gamma Delta—Kappa Delta
Ceres—Phi Mu
- Feb. 5 7:00—Alpha Gamma Delta—Kappa Kappa Gamma
Ceres—Gamma Phi Beta
8:00—Kappa Alpha Theta—Phi Mu
Dakota—Kappa Delta
- Feb. 12 7:00—Kappa Alpha Theta—Kappa Delta
Dakota—Phi Mu
8:00—Alpha Gamma Delta—Gamma Phi Beta
Ceres—Kappa Kappa Gamma

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Minot, N. D.	5.45	9.85
Winnipeg, Man.	5.70	10.30
Billings, Mont.	13.90	25.05
Duluth, Minn.	5.65	10.20
Virginia, Minn.	6.25	11.25
Bemidji, Minn.	3.80	6.85
Detroit Lakes, Minn.	1.05	1.90
Fergus Falls, Minn.	1.25	2.25
Alexandria, Minn.	2.50	4.50
St. Cloud, Minn.	4.00	7.20
Hillsboro, N. D.	.85	1.55
Grafton, N. D.	2.60	4.70
Jamestown, N. D.	2.20	4.00
Valley City, N. D.	1.45	2.65
Dickinson, N. D.	6.60	11.90
Glendive, Mont.	9.00	16.20
Crookston, Minn.	1.65	3.00
Madison, Wisc.	10.85	19.55
Milwaukee, Wisc.	11.55	20.80
Willmar, Minn.	3.80	6.85
Brainerd, Minn.	3.05	5.50
Little Falls, Minn.	3.35	6.05
Mandan, N. D.	4.50	8.10
St. Paul, Minn.	4.75	8.55

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Roger Jones, B.S. in Chem., Haverford College '52 (right), and operator check temperature control in the conversion of furfural to furan.

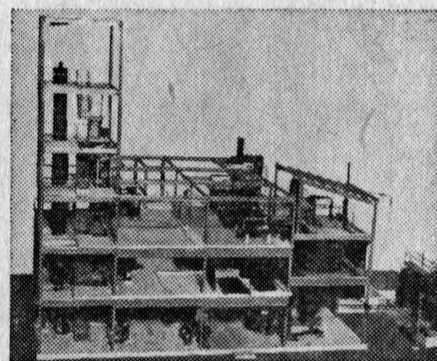
Among the most interesting fields for engineers at Du Pont is the design of plants and equipment. It takes ingenuity of a high order to translate a small-scale laboratory operation into all-out commercial production. Design engineers cannot always use purchasable equipment to scale up research findings, even with considerable adaptation. About half of the time at Du Pont, entirely new equipment must be designed because of the novelty of the process developed by research. For example, a number of unusual problems were involved in designing the equipment and plant for a process in which hexamethylenediamine, one of the intermediates for nylon, is made from furfural, derived from such agricultural by-products as corn cobs and hulls of cottonseed, oats and rice.

In this conversion, these steps are involved:

C_4H_3OCHO furfural	Heat catalyst	C_4H_4O furan
$2H_2$	→	C_4H_8O tetrahydrofuran
$2HCl$	→	$Cl(CH_2)_4 Cl$ dichlorobutane
$2NaCN$	→	$NC(CH_2)_4 CN$ adiponitrile
$4H_2$	→	$H_2N(CH_2)_6 NH_2$ hexamethylenediamine

Here are some of the special problems that were encountered:

1. Design of equipment with close temperature control for converting furfural to furan. The design finally settled on employs a large number of tubes containing a catalyst, with a coolant circulated around them. Special sequence



Scale model of a part of the plant where adiponitrile is made from furfural.

timers were devised for operation of the valves controlling production and regeneration cycles.

2. Design of high-pressure agitated autoclaves for the hydrogenation of furan to tetrahydrofuran.

3. Selection of corrosion-resistant equipment for the hydrochlorination of tetrahydrofuran to dichlorobutane at high temperatures.


4. Design of a unique five-step distillation train to obtain high-grade adiponitrile without trace impurities.

Although most of these problems involve a great deal of chemical engineering, also needed on the designing team were mechanical, electrical, civil, metallurgical and industrial engineers. Thus design work at Du Pont is open to men with many types of training, and there is abundant opportunity for all.



E. W. Griffin, B.S. in M.E., Duke; M.S. in Ind. Mgt., Georgia Tech '52 (right), instructs operator in handling of vapor-tight horizontal vacuum filter used in separating adiponitrile from sodium chloride.

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Teacher Raises Arm, Gets Sore Rib Pay-off

History instructors shouldn't wave their hats when the President of the United States drives by. That's what a University of Minnesota history instructor learned recently—from an FBI man at his elbow.

The instructor was standing by his car waiting for President Truman's car caravan to pass. When it did, the instructor smiled broadly and started to wave his hat.

Suddenly a "big, burly" FBI man stepped up and poked his elbow into his ribs—preventing him from raising his arm. The instructor backed away and started to wave again. Again the elbow.

By this time the President had passed. Said the instructor: "I'm hurt."

Atom Applications Open

The Oak Ridge School of Reactor Technology is seeking applications for enrollment in the 1953-54 session, which begins September 14, 1953. Appointments will be announced in April 1953.

This school is conducted by the Oak Ridge National Laboratory for the Atomic Energy Commission. It offers a specialized curriculum to a limited number of graduate engineers and scientists who will subsequently engage directly in the nation's reactor development program.

The need for men so prepared continues to increase with the program's progress, particularly as industry responds to the Commission's encouragement of its participation. Further information is available at the placement office.

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Elizabeth Lydon DUKE '51

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