



Queen Patti Jones and her attendants, Virginia Lindstrom, left, and Beverly Ewald, right, show their winning smiles.

Rally, Parade Starts Homecoming Weekend; Dance Completes Event

Queen Patti Jones and her attendants, Beverly Ewald and Virginia Lindstrom, will reign over NDAC's 1952 Homecoming which is being held in connection with the Fargo Fall Festival.

Yesterday Queen Patti and her attendants were honored at a dinner sponsored by the Student Senate. Members of the Senior Staff, nan and Dean Charles Sevrinson Dr. and Mrs. Hultz, Dean Pearl Dinan were also guests.

PEP RALLY LEADS OFF

A pep rally this morning at 9:40 leads off the Homecoming weekend events. The new cheerleaders, Karen Akers, Jack Clark, Mike Fogel, Arlene Nessel and Phyllis Silliman, were introduced and led the cheers and songs.

Mac Wenskunas, football coach, introduced the members of the squad. Other features on the program were a short skit and music by the Gold Star band.

PARADE TOMORROW

The NDAC Gold Star band, directed by Bill Euren, will lead the Homecoming parade beginning from the college at 9:30 a.m. Saturday morning.

Some sixty units will participate in the event. Included in the units are twenty floats sponsored by sororities, fraternities and other campus organizations; ten bands from Fargo and near-by communities and the air force and army ROTC will make up the chief marching units.

Governor Brunsdale is expected, along with other state officials. President and Mrs. Fred Hultz, members of the Board of Higher Education, Mayor Murray Baldwin, City Manager James Dunn, Fargo City Commissioners, and the alumni association, will review the parade from a stand at the foot of Broadway.

All units must be at the college

at 8:30 to begin lineup. The parade will make its headway to Broadway from 13th Street and 12th Avenue. The group will disband at 2nd Avenue and 8th Street.

ALUMS HOLD LUNCHEON

Following the parade at 9 a.m. tomorrow morning, alums will assemble at the American Legion hall at 11:30 to register in preparation for the annual alumni luncheon to be held there at 12.

Alfred H. Parrott, Secretary, expects a response of 200 alums for this function. Keynoting the luncheon activities will be an address by President Fred S. Hultz.

Following the luncheon, alumni will elect new members of the board for '52-'53, adjourning in time for the game at 2:30. Sororities and fraternities will open their doors to their own alums, as well as to visitors from the AC and other campuses.

BOOM THE BUNNIES

South Dakota State's Jackrabbits are the Bison's foes for the Homecoming game scheduled at 2:30 on Dacotah field. During half-time Queen Patti Jones will be coronated.

AT LAST WE DANCE

Homecoming festivities will end with the dance in the Field House Saturday night at 9 p. m. Jules Herman and his orchestra will play for the ball. Tickets sell for a \$1.50 per person and can be purchased at the bookstore or from fraternity men.

College Catalog Errs

Dates for Thanksgiving vacation are listed wrong in the college catalog. According to Merlin Miller, Director of Admissions and Records, vacation will be from Nov. 28 through November 29 instead of Nov. 19-22 as stated in the catalog.



Straus' Displays Homecoming Trophies; Campus Groups Compete For 8 Awards

On display at Straus' are eight trophies for Homecoming competition to be awarded this year. Among the awards are the queen's trophy and the ticket sales trophy.

In both the men's and women's division float competition there are a first and second place award.

A first and second place trophy also will go to the winning fraternities vying for house decoration honors.

Fraternities entered in the contest are Alpha Gamma Rho, Alpha Tau Omega, Kappa Psi, Kappa Sigma Chi, Sigma Alpha Epsilon, Sigma Chi, Sigma Phi Delta and Theta Chi.

Trophy winners will be determined by a panel of three judges, representing Fargo business interests participating in the Fall Festival.

Tickets for the dance are on sale at Daveau's Music Store, the College bookstore, or may be purchased from members of the eight fraternities competing for the ticket sales trophy.

Selective Service Tests Here Dec. 4

Selective Service announces that the college qualification test will be given December 4, 1952 at this college. All male students who have not done so are urged to take this test on that date.

Application must be made prior to midnight November 1, 1952. Application blanks are available to all students, regardless of their Local Board, at the Cass County Draft Board located in the County Court House here in Fargo.

With increasing draft quotas it is imperative for students seeking further deferment to take advantage of this test, according to Merlin Miller, Director of Admissions and Records.

Students enrolled for Advanced ROTC are urged to take it even though they are deferred at the present time. If for any reason their deferment status should change it would be very beneficial to have passed this test.

Used Books On Sale At NDAC Library

The NDAC library is having a sale on books. Dean Stallings announced that the library has several hundred books it wants to dispose of and that more books will be added to the "for sale" table each day.

The table is on the second floor of the library in front of the main desk. Prices for these books are one book for fifty cents or three books for a dollar.

International Relations Club Sponsors Debate At Fargo High School

Senator Milton Young and under-secretary of agriculture, Clarence McCormack will debate the topic, "The Better Choice for North Dakota Farmers—Eisenhower or Stevenson?" Monday, Oct. 13 at 8 p. m. in the Fargo High School auditorium.

Sponsors of the debate are the NDAC International Relations club and the Fargo-Moorhead open forum. In the debate Sen. Young and under-secretary McCormack will compare the agricultural views and records of the Democratic and Republican parties.

Sen. Young is the junior senator from North Dakota. He is a member of the senate agricultural committee and the author of price support measures. Sen. Young favors high price supports, but does not agree with the Brannan plan.

Under-secretary McCormack served on national AAA boards and has farmed in Indiana. He also is director of the farm policy review in addition to his association with the crop insurance program.



Practicing cheerleaders are, clockwise, Mike Fogel, Arlene Nessel, Jack Clark, Phyllis Silliman and Kare Akers.

Hultz, Sintow To Attend ROTC Meeting, Review New Course Of Air Instruction

President Fred S. Hultz and Major Karlin I. Sintow, professor of air science and tactics, will attend one of the two Air Force ROTC orientation conferences at the Air university, at Montgomery, Ala., Oct. 15-22.

Over 115 college presidents and 60 deans are attending the meeting.

College Play Date Set

The Little Country Theatre Players will present "Androcles and the Lion" by George Bernard Shaw, November 13 thru 15. Sponsored by Edwin Booth, honorary dramatic society, this play will be the NDAC all-school fall term play.

The Theatre was unable to obtain staging rights for an earlier selection, "The Lady's Not For Burning", because a professional company is presenting it on tour this season.

Tryouts for "Androcles and the Lion" were completed yesterday. Students interested in working on the production staff are asked to contact Miss Constance West, direc-

tor of the play, at the Little Country Theatre.

Air Force ROTC professors of air science and tactics at 188 schools throughout the United States, Hawaii and Puerto Rico will accompany the college officials.

Brig. Gen. M. K. Deichelman, commandant of the AF ROTC program, said the purpose of the conference is to acquaint educational executives with the proposed changes and improvements in future operation and administration of AF ROTC programs.

To review the new AF ROTC course of instruction for 1953-54 and to emphasize a developed ROTC program mutually beneficial to colleges and the Air Force are two other purposes of the meeting.

The Air university, educational system of the Air Force, recently assumed administration of the AF ROTC program. Its educational and research missions serve all Air Force commands and about 200,000 students in different parts of the world.

Fargo Fall Festival, NDAC Homecoming Activities Coincide

Fargo merchants, in connection with NDAC's Homecoming, have since Wednesday, been sponsoring the Fargo Fall Festival. Features of the event include street shows, hobby show, two dances, prizes and a homemaker's style show.

Downtown business places are issuing Fall Festival tickets to anyone making a purchase in their establishment. These tickets are then placed in a container for collection for a drawing.

Among the prizes offered is a \$4,095 house trailer to be given away at 6 p. m. today at the flagpole on north Broadway. The trailer will be shown during the half-time of the NDAC football game.

Free street shows with professional talent, the parade, game and Homecoming dance are other attractions of the Fall Festival. Drawings for prizes and a hobby and auto show round off the list of activities. The hobby and auto show will be held at the Avalon ballroom.

Tryota Plans Party

Fall Frolic, Tryota's annual party for new home economics students at NDAC, will be held Tuesday, Oct. 14. Freshmen and transfer students are invited free of charge. Members can purchase tickets for 60 cents.

The dinner will be served at 5:30 in the 'Y' auditorium. Entertainment will be based on a "Hobo Day" theme, after the meal a short meeting will be held.

Committees are: tickets, JoAnn Just; food, Janet Olson and Becky Calderwood; entertainment, Pat Ebeltoft and decorations, Mary Ann Pietron. Miss Schmidt and Miss Hawkins are the faculty advisers.

FOUND

Found: a grey wool gabardine jacket. The jacket is in Dean Sevrinson's office. It was turned in during Orientation week.

NDAC Fraternities Pledge 116 Men During House Ceremonies, October 5

Fraternity rushing reached a first week climax last Sunday when 116 men went through pledging ceremonies at the various fraternity houses.

At registration, 119 men indicated a desire to join fraternity. All houses report that there are still men to be pledged in the near future.

Alpha Tau Omega pledged 20 men. They include Roger Abbot, Ron Abrahamson, Bob Bielefeldt, William Brady, Bernard Brown, William Brunsdale, Roy Cedars, Jack Clark, Roger Erickstad, Michael Fogel, Edward Martin, Franklin Meyers, Bob Montgomery, Gerald Meyer, David Peet, Earl Sandburg, Russel Sloten, James Stenslie, Richard Sunde, Ronald Zottnick.

Alpha Gamma Rho pledges number 16. They are Dale Bergland, Dennis Bergren, John Hollinberg, Clint Dodge, Jerome Ballen, Merrill Johnson, Harvey Knudson, Robert Knudson, Dale Longtin, Al Lindem, Nels Midgarden, Larry O'Keefe, Joe Roliffson, Clayton Tolrud and Ron Talstad.

Agriculture Exams Open For Seniors

Examinations for Junior Agricultural Assistants are open for students expecting to complete their courses by June 30, 1953, announces the United States Civil Service commission.

Application Form 5000-AB may be obtained from and first or second class post office or from a civil-service regional office. Applications must be received by either the Department of Agriculture or the Department of Interior not later than Oct. 21, 1952.

Examinations include options for agricultural economists, agricultural writer-editors, agronomists, animal husbandmen, botanists, entomologists, foresters, geneticists, home economists, horticulturists, plant pathologists, plant quarantine inspectors, zoologists and soil scientists.

Further information may be obtained at room 106, Morrill hall.

Bureau Extends Two Government Contracts

The engineering experiment station of NDAC has been notified of the continuation of two contract research projects by the United States Bureau of Standards.

These projects, whose operation is entering the second year are administered by the department of Electrical Engineering on the campus. They have provided practical information and training for the students in Electrical Engineering, and have paid over \$12,000 in salaries to student assistants during that period.

The content of these projects is classified, but may be said to be of major importance in a study of communications methods and conditions in the sub-arctic area.

Peters Wins Award

Loren Peters, ME-Sr., has been informed that his paper, "Construction of a Window Lifter," has been selected by the jury of the Awards to receive one of the 1951-52 Annual Engineering Undergraduate Awards given by the James F. Lincoln Arc Welding Foundation.

For his efforts Peter received a check for \$113.00, a certificate and a book, "Design for Welding," which was recently published by the Foundation.

The Kappa Psi pharmacists pledged 10 men. Kappa Psi pledges are Paul Irsefeld, Wallace Geck, Arthur Kautzman, Don Kilzer, Curtis Lechner, Harvey Lillestall, Sherwood Monson, James Olig, Lloyd Pekis, John Southern.

Kappa Sigma Chi pledged 8 men who include Marilyn Adams, Robert Berg, Gordon BuByalsky, Matt-hue Caffey, Byron Neilson, Earl B. Peterson, Bob Schaaf, Darryl Unc-kert, Jack Westra.

Sigma Alpha Epsilon's 16 pledges include Jim Akason, Murry Brown, Dan Burke, Dick Courtesii, Guy Enabbit, Roger Engebretson, Doug Goedert, Jim Harvey, Ralph Fraase, Loren Holmstrom, Niles Fletcher, Cecil Reinke, Bill Peterson, Howard Stockman, Bill Watkins, Roman Woldera.

Sigma Chi pledged 21 men. They are Dave Bassingthwaite, John Cul-len, Dick Danstrom, Ron Eide, Gordon Gates, Don Johnson, Jim Lar-sen, Harry Lohse, Dennis Maxson, Howard Park, John Pfiffner, Jim Powers, Douglas Puckering, Mike Roseny, James Schaack, Donald Schmidt, Loren Schulenberg, John Shephard, Kent Sherwood, Wayne Weatherford, and Chuck Welkin-ing.

The Sigma Phi Delta Engineers also pledged 10 men. SPD pledges include Don Albers, Lewis Bethke, Dean Dickson, Irvin Hoffman, Ronald Garsteig, Jack Lavold, Gene Price, Jerry Ronningen, Richard Strommen, and Jim Wohlwend.

Theta Chi pledges number 17. Theta pledges are Brad Byrnes, Ray Ehly, Duane Ericksmon, Bry-on Gackle, Charles Lodgard, Bruce Mathison, Dennis Odegard, Bob Olson, Dick Ramage, Bob Reng-dahl, Nick Roster, Lloyd Smith, Roger Schmidt, William Triple, Dick Tucker, Leslie Welter, and Freeman Young.

Debaters Schedule Meet October 22

On Wednesday, Oct. 22, at 7:30 p.m., a meeting will be held in the Little Country theatre for those interested in debate. Resolved: that the Congress should establish a fair employment program is the national 1952-53 college topic.

Present members of the Lincoln Debate society will conduct a model debate on this topic. According to Joe McNellis, president of the club, the debate will inform everyone about the issue and the work already done by the group. "Anyone who has had previous experience, or is interested in debating should attend this meeting," adds McNellis.

All Applications Due For Noyes' Award

All applications and necessary credentials for the LaVerne Noyes scholarship must be filed with the chairman of the scholarship committee by Oct. 15.

Seventy-eight LaVerne Noyes scholarships amounting to \$1,425 were given to 32 different students during the school year 1951-52. Distribution by classes was freshman, 6; sophomores, 15; juniors, 22; seniors, 32; and graduates, 3.

Further information and application blanks may be obtained from Miss Matilda Thompson, chairman of the scholarship committee, room 209, Minard hall. Other members of the committee are Dean Pearl Dinan, Merrit Flynn and Ernst Van Vlissingen.

People who insist on drinking before driving are putting the quart before the horse.

Mothers Exchange Boys For Educational Aims, Youngest Users Enjoy Library Trips

by Joan Evenstad and Dixie Brown

The youngest users of the library are three year old Robert Studer, son of Reverend Stafford Studer, and two year old Nathan Keedy, son of Mr. and Mrs. Mervin Keedy, assistant professor of physics.

These youngsters exchange baby sitters every morning at nine. One mother, Mrs. Studer has a class at eight while Mrs. Keedy takes care of Robert. At nine they meet at the steps of the college library and Mrs. Studer takes care of the boys while Mrs. Keedy attends class.

This arrangement has proved very satisfactory for the mothers who are interested in furthering their education, and the boys think NDAC is quite a college, for they talk constantly of their trips to the library.

Mrs. Keedy is a very lively individual with a quick and ready wit. Her conversation is illustrated

by the use of her hands and the merriment in her eyes. She is enrolled in an education course of Tests and Measurements, and Survey of English Literature.

"I'm a little worried about Tests and Measurements, but I'm really working in both," claims Mrs. Keedy, who added as an afterthought: "That should get me an 'A' in both courses!"

Mrs. Keedy attended Peru State Teachers College in Iowa and later taught in Idaho for two years. Presently she is working towards her B. S. in education so she can resume her teaching career.

Soft-spoken Mrs. Studer is a graduate of Center College in Danville, Kentucky, with a major in sociology and French. She was a social worker following her graduation. Her soft Southern accent tells of her birthplace in Kentucky. The thing that fascinates her most is the co-educational system here.

"It's so strange to see boys and

girls walking around on the campus. When I was in college we had separate classes for the boys and girls, and this seems so different."

Library administration is Mrs. Studer's first class at NDAC.

"I'm really going for the fun of it," she laughingly confided. "My husband is pleased, as he thinks it will give me a better idea of what the campus is like."

"My fifteen-year old daughter, Katherine, on the other hand, wants me to help her with French, and when I tell her I have to study for class she is very blasé about it with her, 'My! My!' retort."

This is Mrs. Keedy's second year at NDAC and she seems to enjoy most of her courses in spite of the time some of them require. Mrs. Keedy says: "I feel the need greatly for tests and measurements as a result of my teaching experience in Idaho."

I expect to derive a great deal of workable knowledge from the course in English literature and I find school very stimulating. (Wait until my instructors see this in print!). My husband approves of my attending school just as long as I don't get stretched out too thin."

Nine year old Michael Keedy enjoys mentioning the fact that he gets "A's" in his arithmetic course, whereas his mother didn't get an "A" in her algebra.

Mrs. Studer enjoys her library course and plans to take more of them. With an eye to the future, she plans to be enabled to do library work when her children are in school.

"To keep busy", she energetically explains.

Both women are rather envious of the fact that their class competitors are only students, whereas they are housewives, mothers, and members of several other community organizations.

Energetic Mrs. Keedy is a member of P.T.A., Cub Scout den mother, and has recently busied herself with canning and getting Mr. Keedy prepared for his role in the Fargo-Moorhead Community Theatre production of "Show Goes The Nation".

Friendly Mrs. Studer is the mother of three children, belongs to the P.T.A., has a Sunday nursery class, and is often left with the task of phoning for her husband, who is a Cubmaster.

She was busy trying to think of a way to get all her housework done in one day so she and three year old Robert could spend the rest of the week in the library.

It was quite a task to get these two busy people together, but with Reverend Studer doing the baby sitting duty, they were free not only for an interview, but also a very pleasant chat. Mrs. Keedy, however, was anxious to get home to get her homework done.

Be Good Now



Mrs. Keedy, standing, says goodbye to her son, Nathan, seated on Mrs. Studer's lap, and Robert Studer before going to a class.

Bison Briefs . . .

Alpha Phi Omega Schedules Smoker, Oct. 16

The annual "smoker" meeting of A P O is planned for Thursday, October 16, in the College "Y." The purpose of this meeting is to acquaint former scouts with the principles of A P O, and its service program.

Don Corder is the vice president and chairman for this year. The general arrangements are handled by Carl Eloffson, president, and Larry North, Secretary.

PAINT EXPOSURE TESTS

The NDAC School of Chemical Technology has been selected by the E. I. du Pont de Nemours and Co., of Wilmington as one of the few key exposure stations throughout the nation for testing various paint products.

The first shipment of exposure panels will consist of 250 metal plates, which will be placed on the structure recently erected on the chemistry building. The purpose is to find out how long each of the different types of paint will stand up in extremely cold and dry climate.

YWCA

For the fall term the YWCA has scheduled a YW-YM cabinet meeting Oct. 15, a YW-YM Halloween party, a conference at Lake Tobiason, a Thanksgiving evensong, an old peoples' party and a Christmas caroling party.

Membership for freshman and upperclass girls can be obtained from Marilyn Miller, Bonnie Pederson or Mrs. Helgeson at the YWCA office on Tuesday, Wednesday or Thursday afternoons. The office is in the college "Y." Memberships cost \$1.50 per year for this non-demoninational organization.

ANNUAL DEADLINE November 15 has been set as deadline for all senior, fraternity and sorority pictures for this year's annual, according to Editor Dave Bartholomew. Pictures are to be turned into room 120 Minard Hall.

Fraternity and sorority members are asked to hand in two glossies. Suggested photographers are McCracken's and Scherling's of Fargo and Grosz studios of Moorhead.

Radio Club To Meet; Code Class Planned

The Amateur Radio club of NDAC will hold their first meeting of the year Wednesday, Oct. 15, in room 202 of the old engineering building. Code and theory classes are planned in the near future for those desiring to obtain a license.

Ray Linnertz, president of the club, reports that interested parties can contact him or leave their names on the electrical engineering bulletin board.

A transmitter and receiver have been set up and are now available to all licensed operators.

A proud man is like an egg. An egg is so full of itself that there is no room for anything else.

President Dean Says New Governing Body Successful; Campus Senators Give Broad Representation To Students

by Mary Pat Murphy In April, 1952, a radical change in student government took place. NDAC students, by approving the revised constitution, instituted a new governing body on the campus.

The old Student Commission, consisting of six commissioners, has given way to the Student Senate. A wide representation of the student body is found in the 18 senators, elected by students vote.

The president, also elected by popular vote, appoints boards and commissioners, which are then approved by the senate. The executive branch of the senate consists of six commissioners and their boards which are Campus Affairs, Finance, Music and Public Programs, Military and Athletics, Student Union, and Publications.

The Senate sets up policies for all campus actions and affairs; thus all campus activities are indirectly controlled by the students themselves.

While there is a faculty advisor on each board, student members outnumber the faculty members four to three.

Twelve dollars out of every student's tuition goes to the Senate for its quarter's program. Of these twelve dollars, five dollars are requested to the Student Union, one dollar to Music and Public Programs, one dollar to Military and Athletics, two dollars to Publications.

The rest is distributed in smaller amounts. A student reserve fund has been set up, and is swelling by the year.

The president calls meetings, presides, appoints committees, and

directs and coordinates special campus events, such as Homecoming or the Junior-Senior Prom, and represents the student body at all public functions.

This test year for the new Senate is proving a success, according to President John Dean, Sr., Ag. "Our first big project, Homecoming, has demonstrated the effectiveness of the new governing body."

"While we are working with the Chamber of Commerce in conjunction with the Fall Festival, I've found that our own student units and committees show more cooperation and better spirit. With a greater number in the governing body, more ideas are brought up and discussed."

A GOOD PLACE TO WORK
A Good Place for Life—Accident—Health—Hospital Insurance

E. "E" HANSON, GENERAL AGENT (7351)
Pioneer Mutual Life Insurance Company

DAKOTA NATIONAL BANK
 Fargo, N. Dak.
 "In Banking To Help Business"
 MEMBER F.D.I.C.

Ride a Greyhound Bus
 You Save and Save
 Go the Greyhound Way
 Relax - Relax -



For every travel purpose during the school year

Go GREYHOUND!

For trips home, to out-of-town games, nearby cities, you'll save more money (Greyhound fares are the lowest), save more time (Greyhound's frequent schedules let you leave sooner, stay longer) by Greyhound!

Check these low fares!
Buy a round-trip ticket and save an extra 10% each way!

	One Way	Round Trip
Minneapolis, Minn.	4.50	8.10
Detroit Lakes, Minn.	1.05	1.90
Grand Forks, N. D.	1.65	3.00
Jamestown, N. D.	2.20	4.00
Bismarck, N. D.	4.35	7.85
Omaha, Neb.	10.50	
Los Angeles, Calif.	38.55	69.40
Seattle, Wash.	32.70	58.90
Denver, Colo.	19.45	35.05
New York, N. Y.	27.55	49.60
Chicago, Ill.	12.30	22.15
Winnipeg, Man.	5.70	10.30
Bemidji, Minn.	3.80	6.85

(U. S. Tax Extra)

Greyhound Terminal

502 N. P. Ave.
Phone 5335



GREYHOUND

FREEMAN'S NEWEST—BLACK SCOTCH GRAIN BROGUES!
\$16.95



Just the thing for grey flannel suits and navy blues—rugged leather for extra wear, comfort and good looks. OTHER FREEMAN SHOES—\$11.95 to \$20.95

THE... Straus... co.
70 Broadway . . . Fargo

WELCOME ALUMNI

SNAPPY GREETING CARDS FOR ALL OCCASIONS

MUSIC BOX GREETING CARDS

NEW LINE OF BISON MASCOTS

DESK LAMPS

ZIPPER BINDERS

LAUNDRY CASES & LAUNDRY BAGS

LITTLE MAN ON CAMPUS BOOKLET—\$1.00

A. C. BOOK STORE

DAKOTA Photo Engraving Co.
FINE JEWELRY
4th Street at Center Ave. Moorhead, Minn.

FOUR PROFESSIONAL BARBERS

GRAND BARBER SHOP
DIAL 9430 624 1st. AVE. NORTH

SENIORS! NOW IS THE TIME SCHERLING'S THE PLACE

Graduation Portraits

NO APPOINTMENT NECESSARY

SCHERLING STUDIOS

113 Broadway

STUDIO OPEN EVENINGS BY APPOINTMENT



YOUR Y

BECOME A MEMBER HERE.

Home of . . .

- Y SKI CLUB
- Y CAMERA CLUB
- Y SQUARE DANCE CLUB

JOIN THE Y NOW!

ONE DAY SHIRT LAUNDRY SERVICE

Serving the College Folks For 20 Years



ONE DAY Bachelor Bundles Across The Campus

From NDAC

What's On Our Mind

Eisenhower Talks Illustrate Political Obscurity, Pledge 'Woodshed Honesty'

"I Like Ike!" Vote! "I'm madly for Adlai!" "It's time for a change." "Don't let them take it away!" These are some of the slogans and catch phrases that help obscure the basic issues of the 1952 presidential campaign. Dissecting the issues is made difficult by the two candidates political generalities.

Because General Eisenhower has been the only candidate to speak in this locality and because his appearance is timely we would like to use his speech as an example of political incompleteness.

Although Eisenhower mentioned several issues in his Fargo speech we are limiting our remarks to corruption in government for it's this theme that appears to be arousing the most controversy and the greatest emotion.

Said General Eisenhower of political shysters, "Some are behind bars—not long enough—but they are there because they have lined their pockets with your money. That has got to stop. That is one thing you don't have to stand for." He continues, "... it (Republican administration) would give you just common woodshed honesty. That is the biggest pledge. That is the kind of pledge that can be made and kept."

Corruption in the present administration is an important campaign issue, but does the Republican record show the Republicans capable of cleaning house? How can they convince voters of the sincerity of their pledge when they support McCarthy who sold his influence to the Lustron company for \$10,000 in the form of a booklet on housing? Congressman Breen still sits in the House although convicted of taking kickbacks from his office help. Senator Brewster, now retired by the voters, would have found it difficult to talk mink coat and deep freeze when he was unfavorably connected with "Dutchman" Grunewald, a chief figure in that scandal. Nixon's \$18,000 fund conflicts with the Corrupt Practices Act. This law requires contributor's names to be revealed and limits the size of contributions. Nixon failed to reveal the amounts donated and the donors names until a "Warren Republican" tipped off the New York Post, according to Newsweek magazine. Will the Republicans give us "woodshed honesty", what ever that is?

As I See It . . .

Queen Contest Shows Improvement; Herbst Fails To Elect Marilyn Monroe

by Walt Fogel

Congratulations to Queen Patti Jones and her attendants, Bev Ewald and Virginia Lidstrom. If the Homecoming weather, the game, and the dance can all be as successful as the Queen contest, we shall have a very fine Homecoming indeed.

This year's queen election certainly must have compared very favorably in enthusiasm and general all around participation with those of other years. At the very least it was a great improvement over last year's contest.

The very fine campaigns put on by the various organizations for their candidates seems to me indicative of an upsurge of interest in NDS school life. Perhaps the lethargic are becoming less lethargic, and the active are becoming more active, and the animated are getting fanatical, to show you what I mean in a crude manner.

There was, however, one failure last week. Despite an excellent write-in campaign, Mike Herbst failed in his attempt to get Marilyn

Monroe elected Queen.

On the pleasant subject of Queens, a look at a few of the Queens of the past might prove interesting, in fact a look at queens anytime would be interesting.

Last year, as you remember, Marilyn Hunter was the Homecoming queen. Marilyn's reign as queen produced no startling effects on her life; she is now a senior kept busy by a multitude of school activities.

Two years ago Junette Hill occupied the throne during the old grads "lost weekend". At least one football player of that season liked the Queen, for the next summer Al Keating, a tackle on the 1950 team, married Junette. The Keatings now make their home in Breckenridge, Minn.

In 1949, Eunice Toussaint reigned over the gridiron mayhem. She graduated in 1950, along with her husband Bill. They are now living in Ames Iowa, where Bill is working on his Doctor's degree in Agricultural Economics.

Donna Jean Nellerhoe held court in 1949. After graduating the next spring, Donna Jean managed a dress shop in Washington for eight months before returning to Fargo. She is now editor and publisher of a visitor's guide to Fargo-Moorhead called Town Crier.

The Queen in 1947, was Jean Hoverson, now Mrs. Doug Schnell. Doug and Jean have lived in Fargo since their graduation in 1948. It seems that these five fair females, besides being very lovely to look at, had a lot on the ball.

Four of the five were members of Senior Staff, the women's honor organization, and all of them were (and are, in the case of Marilyn) active in a great many phases of school life. Patti, you are now a member of a very elite group.

Use Mum, Still No Dates . . . Co-eds Mourn Prospects For Homecoming Dance

by Joan Evenstad

Dakota Hall was in its usual ten o'clock state of uproar when the telephone rang. Simultaneously fourteen heads popped out of the doors all shouting at once, "Who's it for?"

The name was automatically drowned out by the chorus but finally one lucky girl propped herself on the floor and purred into the mouthpiece.

A group of excited girls collected about her and finally a loud cheer arose from the onlookers. From the pink in her cheeks and her breathless "yes", we knew! As of that moment she had a date for the homecoming dance!

The smiles soon faded from their faces as they thought of their own prospects for the evening as they shuffled back to their rooms.

As I dragged myself away from my chemistry book and turned to my stack of 1920 Spectrums the girl from next door flopped in.

"Gee whiz, what is it?? I'm twenty, not in need of any plastic surgery, brush my teeth three times a day and use Mum but I still haven't had a date since I got back but I guess I just haven't got it," she wailed.

I tried to console her and take her mind off her plight. I assured her she was a fine looking girl with a very nice personality. Searching for something to change the subject I blurted, "Did you know that the first Homecoming dance was held in 1901?"

"That's it," she screamed, "I don't have a date!" Her sobs brought more of the girls.

"Is she having a psychology exam tomorrow?" one inquired anxiously.

Another hovered near, waiting to throw the contents of the coffee pot on her in case she faded away.

"No," I stated calmly, "She does not have a date for Saturday night." "Who has?" was the moaning answer.

As seven long faces settled themselves about the room I tried vainly to think of some more gems of knowledge.

"Did you know that the first homecoming queen was crowned in 1930?"

"Yea, and me without a date."

said the girl from room 107. "Anyone want to write letters with me that night?"

"Gosh, if things keep up like this I may even have to import Herman for the dance and he is strictly the barn type. What will he do on a dance floor?" bemoaned a little blonde.

"Hey, can you have him bring a friend? Please, Hon, Anyone who is over 5'6" and doesn't have two left feet, I'll polish all your shoes for you," promised "Hopeful."

"Things rough your way too, eh?" vocalized a girl slouched on the floor.

The sound of the telephone electrified the room and after the herd had passed over me I managed to pick up my 1920 Spectrum again.

Eleven deflated people returned this time and the conversation once again returned to the oncoming disaster. More sorority girls entered with paint on their jeans and crepe paper in their hair. The howling mob was growing larger by the minute.

"We shouldn't take this thing sitting down," exclaimed one well-shaped blonde. "Something must be done about it!"

"What?" came the echo.

"Well, er, we could tell the Joy Boys to surprise us again and lock the door this time until they ask us to dance, or we could go to MS-TC and get some men."

"That's a girls' college!" elected one disgustedly.

"Well, couldn't we post our pictures in Minard or start a date bureau or—"

"That's a wee bit too obvious, isn't it?" inquired a shy blonde.

"Well, just think of all those men rotting in the dorm from the lack of feminine companionship; it's a public crime!" shouted a wrought-up gal.

"No, we must be demure, modest; we must sit in our cubicles and wait for spinsters to claim us. Oh, cruel, cruel world!" sobbed a broken hearted freshman as the girls left one by one to go to their beds and dream of a college full of men.

A psychologist has been described as a man who watches everybody else when a good-looking girl enters the room.

Social Spy . . .

Kappa Sig's Go All Out For Marriage; Theta Chi Initiates

by Lorrie and Grace

Now that the entire Spectrum crew has purchased its paper cup of root beer (make mine lime) from yonder vending machine, each is properly inspired to compose his particular masterpiece. The social masterpiece follows. (Any opinions contrary to the one just expressed will be completely ignored).

CONGRATULATIONS

. . . to Rick Temple, Don Kent, and Ed Tyson who were recently initiated into Phi chapter of Theta Chi. Another three survived Hell week, huh?

. . . to the recently elected KKG pledge class officers. They are Judy Sherwood, president; Margaret Burr, secretary; Nancy Eagle, social chairman; Phyllis Hendrickson, activities chairman; Georgia Rasmuson, scrapbook custodian.

LOVE 'N STUFF

In the married department . . . Richard Baltema, Kappa Sig, to Myrna Legler.

John Schacher, Kappa Sig, to Delores Pollack.

Ralph Leet, Kappa Sig, to Iona Peterson.

Walter Ness, Kappa Sig, to Mavis Braaten.

John Swanke, Kappa Sig, to Audrey Drake.

Edward Sveinson, Kappa Sig, to Rose Sauvageau.

Hmm, seems like all the Kappa Sigs took the fatal step, doesn't it? Not a bad idea, methinks!

Engagements . . . Betty Gordhammer, KAT, to Chester Levenson.

Pinnings . . . Ronald Gerberding, Kappa Sig, to Norma Seefeldt.

Farewell, and we'll see you . . . at the open house tomorrow. Every sorority and fraternity opens their doors tomorrow.

Busy Queen Patti Gives Telephone Interview

by Joan Evenstad

Queen Patti Jones in probably the busiest girl on the NDAC campus.

Not only is she busy with the royal duties of a Homecoming queen. She is so busy that this interview was done by telephone.

Her packed schedule for the week included several dinners, numerous appointments at the photographers, a radio interview plus drawing the winning number for the grand prize of The Fall Festival.

Blue-eyed Patti was born in Fargo some nineteen years ago. A sophomore majoring in Home Economics, Patti hasn't decided whether she will teach or do retail buying. "Maybe marriage some day," she adds sweetly.

The energetic queen is a member of the Bison staff, Tryota, choir and Gamma Phi Beta sorority. Patti is the Dreamline Girl of Sigma Alpha Epsilon.

At ten thirty on Saturday evening Walt Junkin, Spectrum photographer, rushed down to the Fargo Forum to get the first copy of the Sunday paper. When he finally located Patti, he strode up to her and exclaimed "Let me be the first to congratulate you, Patti!"

Her shocked reply, "What? Who—me?" This dazed condition lasted for several days claims Patti. "I spent all day Sunday answering the phone, confided Patti.

Despite the lateness of the hour and the fast pace at which she had been going, Patti managed a cheerful "Goodbye" as her interview ended.

LITTLE MAN ON CAMPUS

By Dick Bibler



"Say, Ed, notice how hard ole Worthal is hittin' their center."

THE SPECTRUM

Published every Friday at Fargo, North Dakota by the NDAC Board of Publications, State College Station, Fargo, North Dakota.

Subscription rate \$1.00 or term. Entered as second class matter December 10, 1945, at the Post office at Fargo, North Dakota, under the act of March 3, 1879.

EDITORIAL Editor-in-chief Dorothy Morrow Managing Editor Kent Sherwood Sports Editor Sam Lowe Social Editors Loretta Brown, Grace Lehman

Reporters Pat Carlson, Betty Lou Danielson, Mary Pat Murphy, Lee Anderson, Judy Sherwood Columnists Joan Evenstad, Warren Frank, Walt Fogel

BUSINESS Business Manager Richard Hill Circulation Manager-David Bartholomew Ad Solicitor Carl Eloffson Staff Photographer Walt Junkin

WELCOME!

All Former NDAC Students!



Queen Patti Jones

1952 Homecoming Schedule

Friday, October 10

9:40 p. m.—Pep rally convocation

Saturday, October 11

9:30 a. m.—Parade

12:00 p. m.—Alumni Luncheon (American Legion Building)

2:30 p. m.—Homecoming Game

NDAC versus South Dakota State

Dacotah Field

4:30 p. m.—Open House

Fraternity and Sorority Houses

9:00 p. m.—Homecoming Dance

Jules Herman and His Orchestra

Field House

Homecoming Tilt Set For 2:30 Saturday

Bison Oppose South Dakota State Squad; Seek To Better 1951 7-7 Tie With Jacks



The NDS offensive starting lineup runs over strategy for tomorrow's Homecoming game. Coach Mac Wenskunas briefs, from left to right, Frank Esposito, Bob Lauf, Dale Wallentine, Ray Paxton, Don Fougner, Paul Werner, Frank Scott, subbing for injured Chuck Thurm and John Sowa.

The North Dakota State Bison will enter the 1952 homecoming game as definite underdogs to the South Dakota State Jackrabbits. The Herd is still plagued by injuries, but appear to be in better shape morally than they were in their two previous games. Still on the injured list are Bennie Noland, Dale Wallentine, and John Buerger. Noland and Wallentine, regular starting halfbacks, are possible starting men but Buerger's sprained ankle seems to be healing very slow.

On paper, the Jackrabbits are overwhelming favorites. Although they have lost two non-conference games by wide margins, they have, in their two seasonal victories, racked up a total of 94 points. The only real comparison between the two teams, however, is on the basis of their wins over the Augustana Vikings.

Three weeks ago, the Bison settled an old score with the Augies to the tune of a 24-13 pasting. Last week, the Jacks downed the hapless Vikings by a 47-7 count. In their other win of the season, the South

Dakotans trounced the St. Cloud Teachers 47-6.

The Bison record so far this year reads:

- State 12, Concordia 0
 - State 24, Augustana 13
 - State 0, ISTC 32
 - State 0, Morningside 12
- The Herd has scored 36 points while their opposition has ganged up on them for 57 counters. The Jacks have shown up a little better on the offensive side of the ledger with their 94 points but when they lose, they are farther from the opponents, pointwise, than the Herd has been thus far.

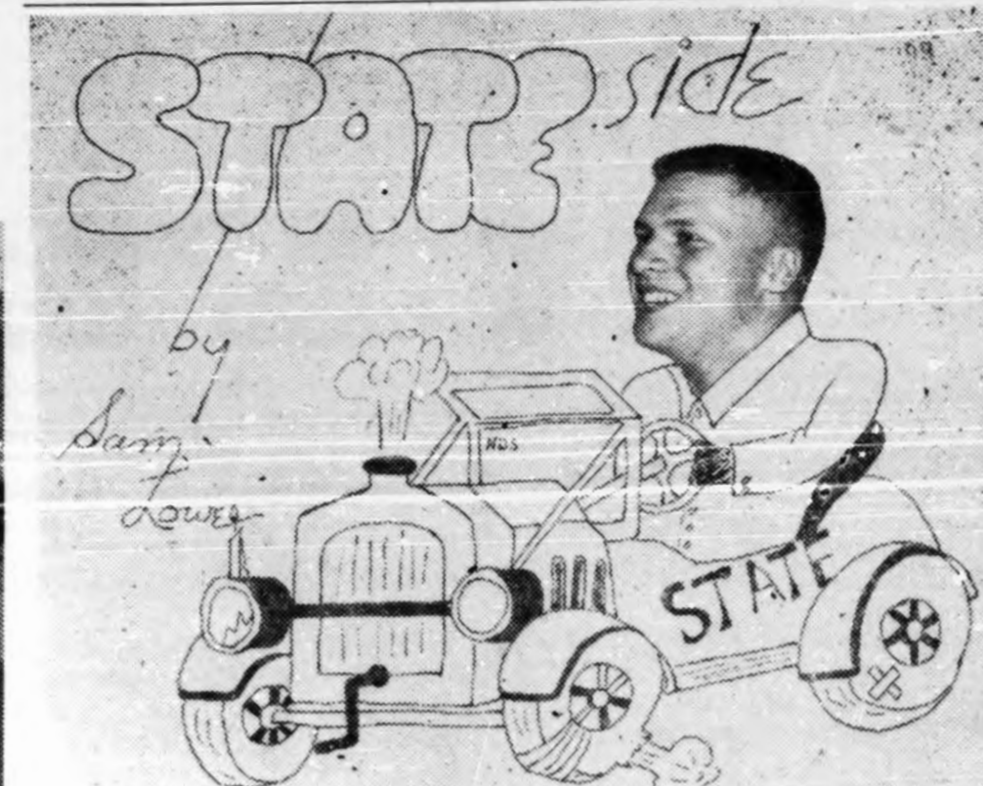
The Bison came up with an upset and a moral victory over the longears last fall when they battled the then conference leaders to a 7-7 tie. The Herd was picked as definite (40 points) loser of that contest too. The year before, 1950, with the slogan of "60 in 50" the Jacks won the Homecoming game, 60-0.

The rugged Bison line is in almost perfect shape to halt the attacks of the SDS backs although the injury to Buerger may hurt some. The defensive lineup for the

Bentson Issues Notice For Frosh Basketball

Basketball coach Chuck Bentson announces that practice for freshman basketball hopefuls will start Oct. 21. The times will be announced later. Anyone wishing to participate will first sign up in Coach Bentson's office anytime from today until the 21st. All players must furnish their own gear.

4. And for "Hit 'em again harder"—Henceforth, smite them more fiercely than you smote them here.
3. Instead of "We want a touchdown"—We demand a thrust forward, maintaining as our objective the passage of our adversary's goal.



Question for the week of October 5-11—Can the Herd come through with another upset over the Jackrabbits?

Picked to lose by some 40 points last fall, the Bison crossed up the experts by tying the South Dakotans 7-7. The NODaks were very lowly regarded in conference circles at that time. This year the Herd presents a more potential threat to the Jacks, who are now in a tie for first in the conference. One thing is very clear. The Wenskunasmen can do it as shown by their two wins thus far. The other games won't be counted at this time.

After dropping their last two attempts, the footballers should be in pretty low spirits but they aren't. These guys have an amazing amount of pep and hustle left in them so tomorrow may prove to be fatal to the South Dakotans.

The thought of winning the conference championship is still a remote possibility to Mac's crew and as long as there is any hope left the Bison will make the best of it.

The Jackrabbits are again led by their stellar fullback, all-everything Pete Retzlaff. This guy is undoubtedly one of the best backfield men to hit the North Central conference history. He stands 6'1 and tips the scale at 195 pounds.

The bigger they are . . .

Heaviest man on the Jackrabbit squad is a freshman monster named Dick Klawitter who trumps the scales at a mere 257 pounds.

A DRAMA
Sports announcer (during last weeks game with Morningside): "There's the play, off guard. The Maroon back is stopped short at the line of scrimmage and one of the State boys isn't getting up."

It was Bob Lauf with his nose guard caught in the turf.

Went to the fight pictures at one of the local cinema houses last weekend (Guess that puts yerz truly in an exclusive club with about 50,000 other peoples). The whole audience sat in suspense during the entire reel. Don't know if it was the thrilling? fight or because they thought Rocky's shorts were going to fall down.

In this week's Collier's magazine Harold (Red) Grange is running a story saying that he wouldn't be able to make the varsity on a modern day big-time football team.

The former Iceman from Illinois says that the game is much faster and trickier than it was in his day.

Congratulations to the cheerleaders who finally got some cheer (other than the liquid type) from the fans at last Friday's game. They

didn't give up until final minute of the fray.

JOKE OF THE WEEK
Headline in the local uptown scandal sheet "Yankees Picked To Sweep Series In Five Games".

Another set of congrats to our lovely queen and her attendants who ought to be enough inspiration for the Mamen.

He is still as silent as he was last year but Ray Paxton doesn't need to talk when he backs up the State line. Packy is one of the three regular 60 minute men on the squad. Bob Nenninger and Bennie Noland are the other full game performers.

Best of luck to you, Bison and the whole school goes into the game backing you.

Morningside Hands Bison 12-0 Defeat

The Morningside Maroons rolled up a 12 point lead in the first half and made that margin stand throughout the rest of the game last Friday night as the North Dakota State Bison fell to their second conference defeat in three tries.

The Herd couldn't overcome a seige of fumbles and intercepted passes which plagued them all through the game. Every Bison scoring opportunity was squelched by one of these two football fatalities.

The Maroons were alert and eager to pounce on every Herd mistake as they recovered five of the seven State fumbles and twice intercepted Bison passes deep in scoring territory.

Frank Esposito was the top gainer for the Wenskunas eleven as he broke through the line on numerous occasions only to be dragged down from behind.

Late in the fourth quarter, Esposito got a chance to do his first real passing as the Bison opened up with a spread formation with the little quarterback pitching from the tailback spot.

Regular star halfback Bennie Noland, a doubtful starter all week, was at his usual left half position for half of the contest but his injuries hampered his playing. He was used sparingly during the second half.

The entire Morningside backfield of Dick Weikert, Buck Miller, Bob Mienhart and Van Fleet combined to pick up 17 first downs and 217 yards through the air and on the ground. The Herd racked up 12 first downs but were held to a

NCC Games

(Continued from Page 6)
total yardage of 198 yards. The Maroons scored in the opening quarter on a 17 yard pass from Miller to Fowler who walked alone into the end zone. Their second TD came in the second period on a two-yard plunge by Weikert.

Outstanding for the Bison were Gene Garastik, Duane Erickson, John Sowa, Bob Lauf, and 60 Minute Ray Paxton on defense.

SDS 47—AUGUSTANA 7
Pete Retzlaff and Jerry Welch combined to pick up 405 yards for the Jackrabbits as they smothered the Augustana Vikings 47-7 in a NCC game last Friday night.

Welch scored twice and Retzlaff countered once as the SDS crew came up with their first conference win in as many tries.

The Augies bobbed the pigskin seven times and four of the fumbles led to Jack touchdowns. Only Dennie Erie was able to penetrate the State line for consistent yardage and score the only Viking TD. **SDU 21—NDU 14**

The Sioux were surprisingly hard to conquer as they held the NCC champs to a very low 21-14 victory.

Seven Coyote fumbles were the main factors for the low score. The Sioux recovered six of these.

NDU led the visitors 14-13 during the second period, but Dick Koppenhaver was trapped in the end zone for a safety in the third quarter. The Coyotes added another six-pointer to wrap up the game 21-14.

CONFERENCE STANDINGS

	W	L	Pct
South Dakota U	2	0	1.000
ISTC	1	0	1.000
South Dakota State	1	0	1.000
Morningside	1	0	1.000
NDSC	1	2	.333
NDU	0	1	.000
Augustana	0	3	.000

Rutgers Prexy Frowns On General Education

Declaring that there are many college students who can neither read nor write effectively, Dr. Lewis Webster Jones, president of Rutgers University advocates a "basic" instead of a "general" education, in order to "give a better education to our students than we have ourselves."

This general education tends to be a "hodge-podge, sometimes with a lunatic fringe," he said. Basic education he defined as including literacy in language and literature, arts and humanities, and a historical perspective. With these would go "practical" courses in the techniques of occupations or professions.

On this point of practical courses, Dr. Jones attacked the Ph.D. system as a requirement for teaching in colleges and universities. "Actually, the Ph.D. is a research degree, based upon meticulous investigation of small things." He amplified his opinion by saying that until something is done about this requirement we will not get the quality of teaching we need, for, Dr. Jones claimed, it is entirely possible for a person to take a doctor's degree and remain absolutely illiterate.

In continuing his suggestions, Dr. Jones spoke of putting the two years of basic education and the two years of professional education together to take advantage of the interest factor in learning.

Dr. Pye Heads Panel At Oil Conference

Festival Hall will be the scene of an oil conference on Monday, Oct. 13, at 2:30 p. m. when representatives of Shell and Magnolia oil companies will answer questions on oil industry. Dr. Willard Pye, head of the NDAC geology department, will be moderator. The men from the Shell Company will answer questions of leasing problems while Magnolia's representatives will handle production problems.

YOU

Will be proud of
PORTRAITS by VOSS

Call 6523 for appointment

MUMS

THE WORD FOR
HOMECOMING

Shotwell Floral Co.

3 South Broadway

6603

IMPORTANT ANNOUNCEMENT

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 -- and by a wide margin. No. 1 reason given -- Luckies' better taste. Survey also shows Lucky Strike gained far more smokers in these colleges than the nation's two other principal brands combined.

STUDENTS!

Hurry! Hurry! Hurry! Mail your Lucky Strike jingles. We pay \$25 for every one we use. Send as many jingles as you like to: Happy-Go-Lucky, P.O. Box 67, New York 46, N.Y.

LUCKIES TASTE BETTER!

FOR A CLEANER, FRESHER, SMOOTHER SMOKE

Be Happy-Go LUCKY!




PRODUCT OF The American Tobacco Company AMERICA'S LEADING MANUFACTURER OF CIGARETTES

Welcome Back A. C. Alumni Drop in and see the finest and newest in men's clothing . . . Get your topcoat and keep warm at the Homecoming Game . . .

TED EVANSON MEN'S WEAR

219 Broadway, Fargo, N. D.



RECORDS

This list considered outstanding in the area last week.

I Went To Your Wedding. G. Lombardo
Glow Worm. Mills Brothers
Meet Mr. Callaghan. Les Paul
Foot Up. Guy Mitchell

Largest assortment of records to choose from

Daveau
music company
FARGO NORTH DAKOTA

WHERE FRIENDS MEET—

THE EMPIRE

424 Broadway Dial 4705

FOR YOUR BISON PORTRAIT

HOMER S. THUNE

PHOTOGRAPHER

McCRACKEN STUDIO

110½ Broadway Fargo

KNIGHT PRINTING CO.

COMMERCIAL PRINTING
CATALOGS & BOOKLETS

"THE KNIGHT WAY IS THE RIGHT WAY"

619 N. P. Ave. Dial 7359

THE SPECTRUM
NORTH DAKOTA AGRICULTURAL COLLEGE
FARGO, NORTH DAKOTA

RECREATIONAL EQUIPMENT

TEACHING MATERIALS
ATHLETIC SUPPLIES
BOOKS
DRAFTING SUPPLIES
PAPER BY THE REAM

NORTHERN SCHOOL SUPPLY CO.

8th Street and N. P. Ave. Fargo

its FREDRICK'S

For Homecoming Mums

Dial 2-7127

514 N. P. Avenue Your Flower Phone

DIAL 5432

to arrange your

- ★ RUSHING
- ★ CLUB MEETING
- ★ BANQUET
- ★ TERM PARTY



INGMA OF THE GARDNER
Banquet Manager

HOTEL GARDNER

THE DU PONT DIGEST

Power Work

for M.E.'s

Varied needs of 71 Du Pont plants pose a host of original power problems

Heart of Du Pont's manufacturing program is the power plant. To make some 1200 products and product lines the Company operates 71 plants.

Most require steam and electric generation, water supply and treatment, heat exchangers, piping systems and related services. The designing of these power plants, their erection and operation are all in the hands of engineers, the great majority being mechanical engineers.

But this is not the most interesting thing about power work here. What challenges the highest skills of the engineer at Du Pont is the wealth of original problems constantly arising. Power requirements vary enormously, not only from plant to plant but from time to time.

Process operating pressures may range from over 15,000 psi. to 2 mm of mercury, electrical requirements



George S. Mahaffey, B.S. in M.E., Penn State '52 (right), B. S. Noring B.S. in E.E., Washington State '24, and A. S. Niell, Jr., B.S. in E.E., Duke '51, discuss the power requirements of a new processing area.



This powerhouse for a nylon plant at Martinsville, Va., was designed by Du Pont engineers. It houses two 135,000 lb. hr. boilers and two 7,500 KW extraction turbine generators.

from as low as 7,000 to higher than 1 million KWH day, and temperatures from -360° to over 3,500°F.

Here are examples of recent "off-the-beaten-path" power problems.

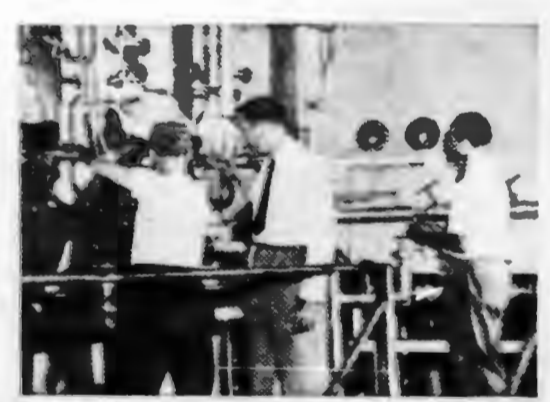
1. A plant using natural gas as its basic fuel produces a waste oil of variable hydrocarbon composition and a waste gas with only 1.10 Btu cu. ft. Du Pont M.E.'s designed burners, fans, boilers and combustion controls to permit use of all three fuels for generating steam.

2. At another plant 20,000 gpm of cooling water were to be drawn from a nearby river. Since the water level fluctuated 40 feet between normal and flood stages, it was necessary to evaluate several plans for pump-house constructions against cooling towers. The engineers installed a unique pump house whose submerged vertical pumps operate even when the structure is entirely under water.

Aside from design and construction, Du Pont mechanical engineers concern themselves with such related subjects as economic evaluations, equipment selection, heat balances, load calculations, waste heat boilers.

For example, where various process temperatures from 300 to 600°F. were required, Dowtherm was selected as the supply medium at the rate of 35 million Btu hr. The engineers installed a central system for primary supply because it calculated to be more economical than separately located vaporizers.

On the operational side, M.E.'s supervise the supply of power and services. They establish performance standards and analyze equipment for results, cost and maintenance.



Edward W. Garrison (right) M.S. in M.E., California Tech '47, and Byron R. Brown (center), B.S. in M.E., New Hampshire '49, supervise adjustment of furnace conditions in a study of power-plant efficiency.

Whether viewed from the design and construction side or the operational side, the diversity of Du Pont's manufacture offers a wealth of opportunities in power work for the mechanical engineer.

OPPORTUNITIES for men and women with many types of technical training are discussed fully in "The Du Pont Company and the College Graduate." For a copy, write 2521 Nemours, Wilmington, Del.



150th Anniversary
BETTER THINGS FOR BETTER LIVING
... THROUGH CHEMISTRY

Listen to "Cavalcade of America" Tuesday Nights on NBC—See Every Other Wednesday on NBC TV



LIGHT UP FOR EASIER STUDYING!

NORTHERN STATES POWER COMPANY

Style Trends

You'll see the season's finest creations presented by our advertisers.

READ THE FARGO FORUM