

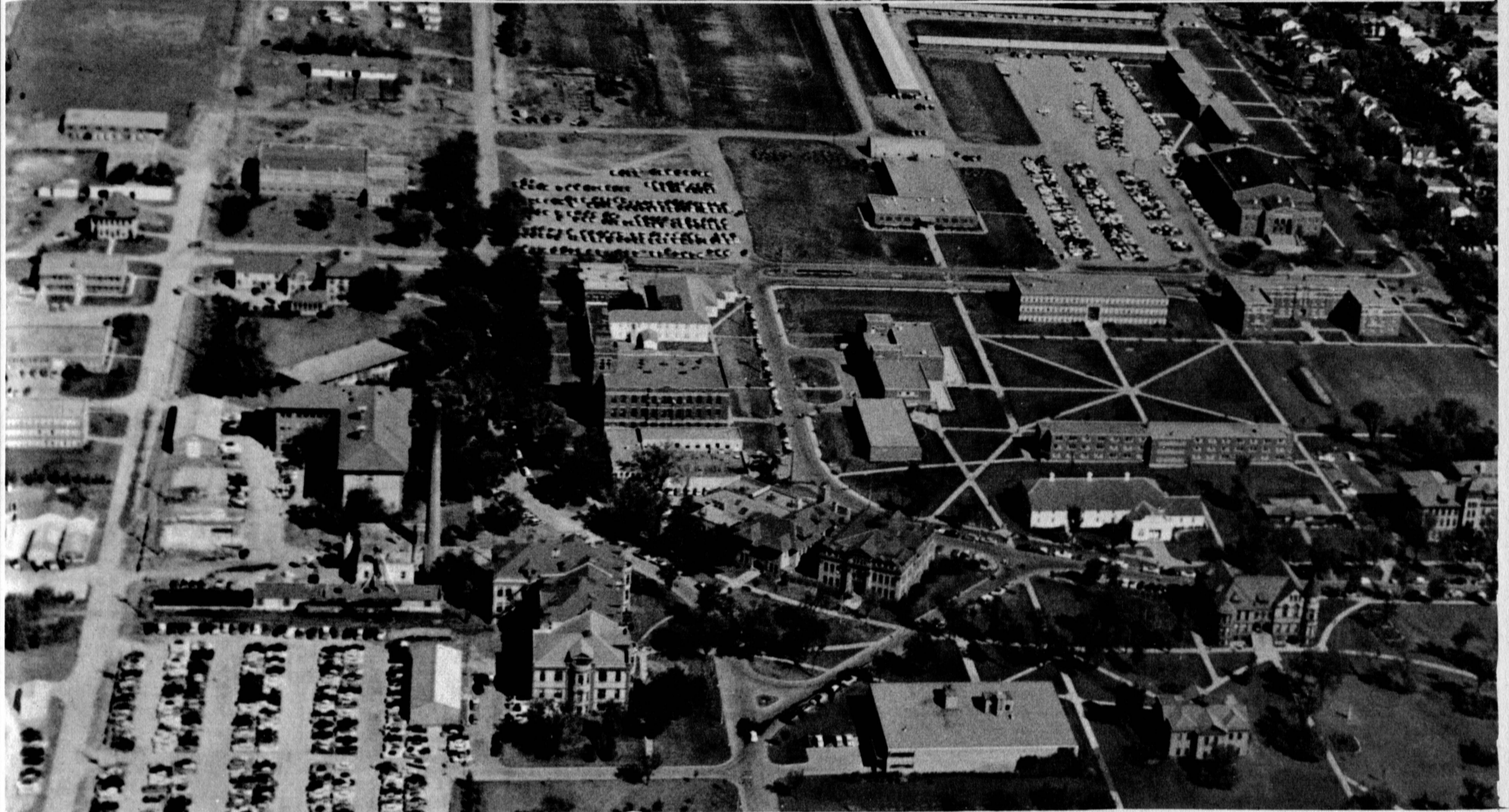
# The Spectrum

## SPECIAL SHARIVAR EDITION

SHARIVAR EDITION

NORTH DAKOTA STATE COLLEGE, FARGO, N. D.

APRIL 15, 1960



## Sharivar Festival Will Show NDSC's Challenge to the '60's

Students of NDSC will play host April 22, 23 and 24 to thousands of visitors who will come to the campus to take part in the annual Sharivar festival.

Sharivar is a student-conducted celebration designed to show visitors as much as possible about the school. Not only are the classrooms and laboratories open for inspection but special displays will be erected in each department. Campus cultural and social life will be on display, too.

Many spring activities have been scheduled for the Sharivar weekend in order that campus visitors will have a chance to view the college community in operation. Highlighting the activities will be nightly performances of *Bison Brevities*, a campus variety show.

Some of the other Sharivar attractions will include a military drill team display, a chem-mystery show, dormitory open houses, band and choir concerts, a sock hop and other recreation.

All the religious centers will have open house for visitors. The new Lutheran Student Center and the new Newman Center are evidences of the importance of religion in campus life at NDSC.

High school students will have a chance to

compete for prizes in the high school bowling tournament. Hundreds of dollars will also be given away in prizes and scholarships.

Jim Bergeron, junior in agriculture, and Arlene Christianson, home economics senior, are co-chairmen of the event. Helping them in planning and coordinating is a central committee of 20 students and three faculty advisors.

"We hope Sharivar will attract everyone," states Bergeron. Miss Christianson adds that "Sharivar is a mean of showing our campus to parents of NDSC students, NDSC alumni, other residents of the state as well as high school seniors and their parents."

We aim many of the Sharivar activities at the high school senior because about this time of year many of them are trying to decide what to do after graduation and we would like to encourage them to attend college."

The editors and staff of this "Special Sharivar Edition of the Spectrum" join in saying "We hope that you will come to see our campus and sample college life." This paper gives you only a preview of a Sharivar that is too big for any publication. You must see it for yourself!

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### H. S. Keglers Meet Is Set

The Second Annual Sharivar High School Bowling Tournament will be held April 22-23. It will be held at NDSC Student Union during Sharivar.

The tourney will have team events only and handicap will be based on 180 scratch with a two-thirds difference spot.

Entries are limited to four teams per school. The trophies will be awarded by the North Dakota Bowling Proprietors Association.

No entry fee is necessary to enter.



# Greetings . . .

The people of this region respond joyfully to festive occasions, taking advantage of every opportunity for sociable and friendly contacts with one another. One of our oldest campus buildings bears the name Festival Hall, as early evidence of the get-together tradition on this campus.

This spring the students of the College, assisted by many staff and local civic groups, are again embarking on an intriguing, exciting annual festival, for which the name SHARIVAR has been selected. Its purposes are several but, basically, they include:

- An opportunity for the citizens of North Dakota and the surrounding area to see the several schools and departments of the college in action, portrayed by exhibits and shows with a wide interest for all.
- Fun and frolic for the high school generation which includes bands, sports, theater, and dancing, with liberal prizes and scholarships.
- A fostering of the festival tradition as being a typical characteristic of the friendly response of people in this great upper midwest area.

It is a real privilege to extend to one and all a hearty invitation to join with us for the full enjoyment of this event, April 22, 23 and 24.

Cordially,  
**FRED S. HULTZ,**  
President



**FIRST COUPLE ON NDSC campus** are Dr. Fred S. Hultz, college president, and his wife. Here, they take part in a lively discussion with students who have come to the President's house for a meeting.

### High School Seniors:

What probably will be one of your biggest decisions of your life you must make soon. Will you continue your quest for education by attending college?

We students at NDSC want to help you make this decision. That is one of our purposes in sponsoring Sharivar. Sharivar means festival and that, in essence is what our April 22-24 weekend will be.

But we also plan to give you an idea of what college really is. Thus each of our schools will have displays in the subjects taught. Campus organizations, likewise, will sponsor exhibits depicting their activities. These displays will help show you what the college student does in both class and extracurricular activity.

Blue Key fraternity is sponsoring Bison Brevities during Sharivar. This is a student-produced show featuring vaudeville acts which this year look better than ever.

A program of scholarship testing will give you an opportunity to assess how well you might do in college.

This is but a sample of the thinks we will have for you to see and do.

I want to cordially invite you to attend Sharivar for the fun you can have and to get help in deciding about attending college.

We'll be looking for you April 22.

Sincerely,  
**ALLYN HART**  
Student Body President



We are happy to have this opportunity to bring you greetings from the Name Change Committee.

Our concern for the name change is many-fold. We know that the NDAC is completely qualified for university status. Because North Dakota is an agricultural state, agriculture will benefit a great deal through increased foundation aid and research. This demonstrates the need for a second university.

The question of the name change should not be one of petty jealousies, nor should one school in the state have a monopoly on university title. If we think of the many benefits for NDAC students, its staff and the people of North Dakota, we cannot help but conclude that the name change is fundamentally right.

We of the Name Change Committee wish to thank all of you who have given time to circulate petitions, and we hope that you will give the name change your whole hearted support and urge "yes" votes on the November ballot.

**ROBERT AND SHIRLEY NASSET**  
Co-Chairmen,  
NDAC Name Change  
Committee

## About This Newspaper

This special Sharivar edition of the Spectrum continues a long tradition for NDSC students in publishing one college newspaper each year especially for the high school seniors.

As in the past several years, the majority of the work in assembling material and editing the paper has been done by the communications editing class.

Editor in chief is **Bob Thompson**, retiring editor of the Spectrum. Managing editors are **Julie Staber** and **Paul Shea**. **Warner Johnson** is business manager.

Other workers are **Sara Lou Bjerken**, **Arlene Christianson**, **Dale**

**Granhovd**, **Donna Holcomb**, **Warren Matheson** and **David Ward**.

Photographs in the publication are by **Mayo Flegel**, **Lowell Anderson** and **George Hagen** and the college communications office.

**Mr. Verne Nies**, assistant professor of communications, is advisor for the publication.

The staff owes thanks to the special Sharivar publicity committee members, to deans of the various schools and to many others among staff and students for help in gathering material.

The publication of financed by the board of student publications and mailed by Blue Key fraternity.

## THE SPECTRUM

Published every Friday at Fargo, N. D., by the NDSC Board of Publications, State College Station, Fargo, N. D.

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"MY NAME is Caroline Deponcey Whamminghammer."

## Here Is Sharivar Committee

It takes a good organization to stage an event as large as the 1960 NDSC Sharivar. Below is the group directing this year's events. One way or another, however, every person on the campus will be helping them make this year's festival outstanding.

Standing, left to right: **Don Schwartz**, advisor; **Gary Louser**, Max; **Dave Moore**, Bismarck; **Jane Ann Munro**, Fargo; **Donna Holcomb**, Minot; **Mary Stenso**, Grafton; **Judy Freeman**, Fargo; **Cathy Kiefer**, Fargo; **Collette Buhr**, Buffalo; **Carol Tuntland**, She-

enne; **Lenora Piepkorn**, Fargo; **Arlene Christianson**, Goodridge, Minn.; and **Jim Bergeron**, Bottineau.

Seated, left to right: **Phil Roesch**, Downer, Minn.; **Jim Lamont**, Rolla; **Paul Brackelsberg**, Mohall; **Bruce Anderson**, Fargo; **Dick Bergquist**, Washburn; **Maynard Iverson**, Mohall; **Bob Strand**, Williston, and **Dallas Zimmerman**, Lehr.

Not pictured: **Larry Hunter** and **Nancy Euren**, Fargo; and Advisors **Dale Brostrom** and **Robert Crom**.



# NDSC's 7 Schools Offer 1,400 Courses



TV COURSE brings college classes to North Dakota homes.

## Arts and Sciences Give You Basic and Cultural Training

Booming enrollments and increasing interests in cultural subjects have made the educational job of North Dakota Agricultural College School of Applied Arts and Sciences doubly difficult, according to Dr. Seth Russell, dean of the school.

One of the ways the school is adapting to the educational needs of the 60's is by enlarging some of its classrooms and laboratories in 59-year-old Minard Hall, the school headquarters.

A theater-type lecture room completed this year will seat 250 students who will learn basic courses. This enables one instructor to handle more students in the first two-year courses, and frees other instructors to handle the smaller more specialized classes attended by juniors, seniors and graduate students.

More such larger rooms are to be made by consolidating smaller rooms, Dean Russell says.

Laboratory capacity in the botany and zoology departments has also been increased, the dean says. This has been accomplished largely by replacing older, more cumbersome desks and fixtures with more modern ones, and by

using floor space more efficiently. Another way the school is adapting to the increasing educational needs is by increasing the number of evening, extension classes offered, and even by "going on the air" with college credit classes broadcast over TV. Nearly 100 students are enrolled in the current TV class offered in the department of education and psychology, "Introduction to Guidance."

The NDSC Concert Band and Choir, which have their headquarters in a separate campus building with the music department are making the college well known through annual tours outside the state.

In the most recent of these trips, the band visited in Montana, North Dakota, Manitoba and Saskatchewan. The choir also completed a six state tour just a few weeks ago.

Little Country Theater is one of the campus landmarks and has made NDSC widely-known in the dramatics field. Each year the theater presents five top-grade plays. Dr. Frederick Walsh, head of the NDSC speech department, is also known for his part in or-

ganizing and directing state historical pageants during the summers.

Cultural opportunities on NDSC campus are growing constantly. Each year a series of lyceum programs are offered which bring to Fargo some of the top musical and dramatic groups.

Physical education at NDSC places emphasis on the individual. There will be more and more opportunity for students to take part in individual "carry over value" sports as well as team play, at NDSC.

The women's physical education department has broadened its program by setting up play days and meetings with Moorhead State College and Concordia in Moorhead.

The physical education departments are centered in the NDSC field house with the Air Force and Army ROTC.

The two military departments give basic military instruction to all male students, and offer commissions to selected students who continue their military training for the four years they are in college.



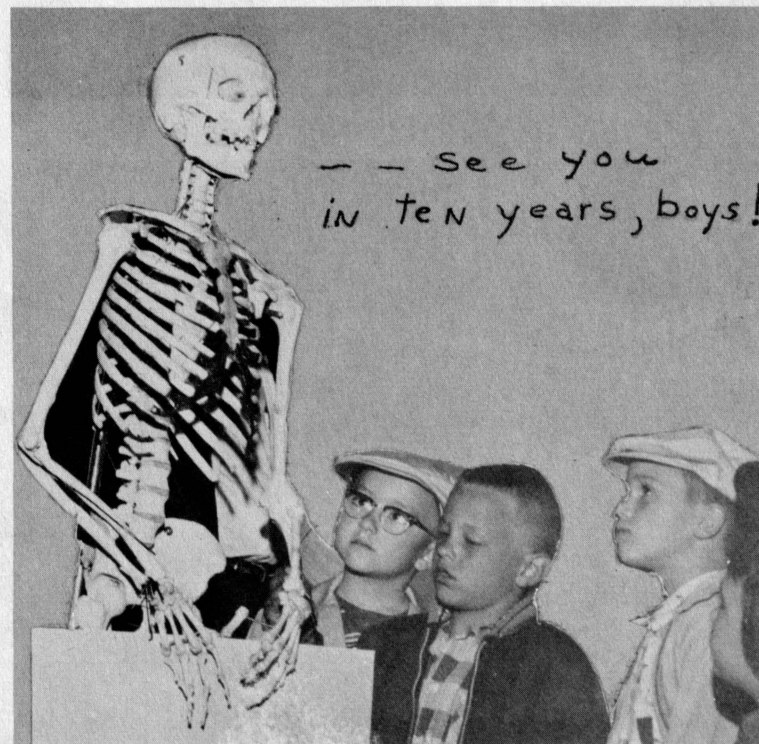
CHOIR GROUP is only one of many musical groups on campus.

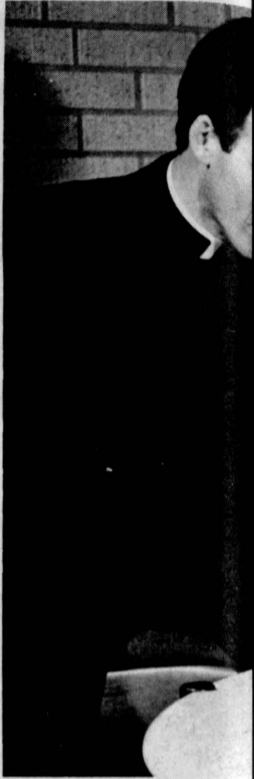
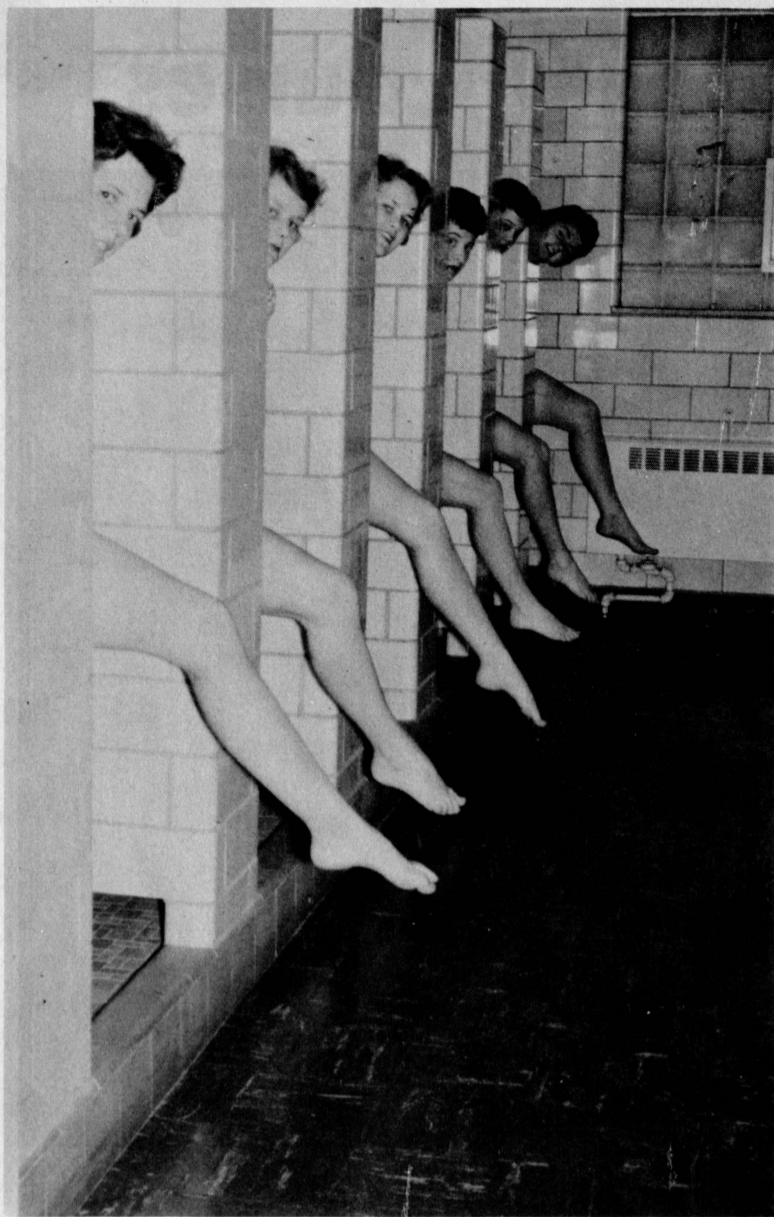
FORM is important in bowling, students in women's physical education learn. Every student has a chance to take part in physical education.



THEATRE-lecture room enables skilled teachers to instruct 250 students at once in some of the basic arts and science courses.

CHEERY WELCOME is given to Sharivar visitors by Charlie, thinnest man on the NDSC campus.



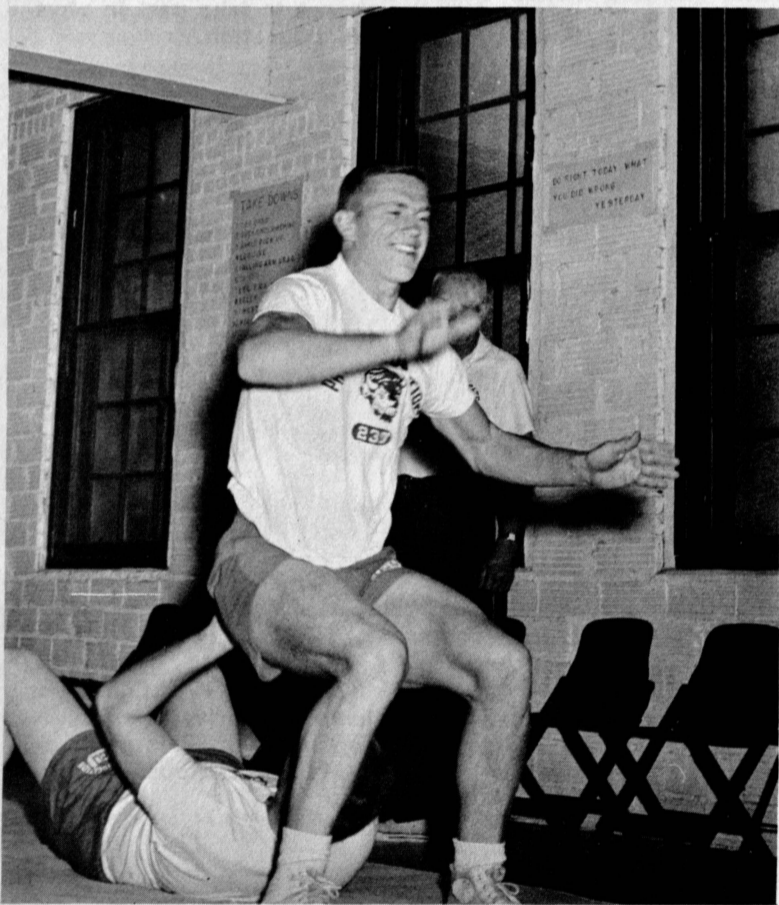


WARM AND FRIENDLY best describes the atmosphere

# Activities Train for Good

**SHOWER ROOM Follies:** People who sing in bathtubs have nothing on NDSC dormitory girls. They have devised shower-room ballet.

## *Not All NDSC Learning Takes Place in Class*

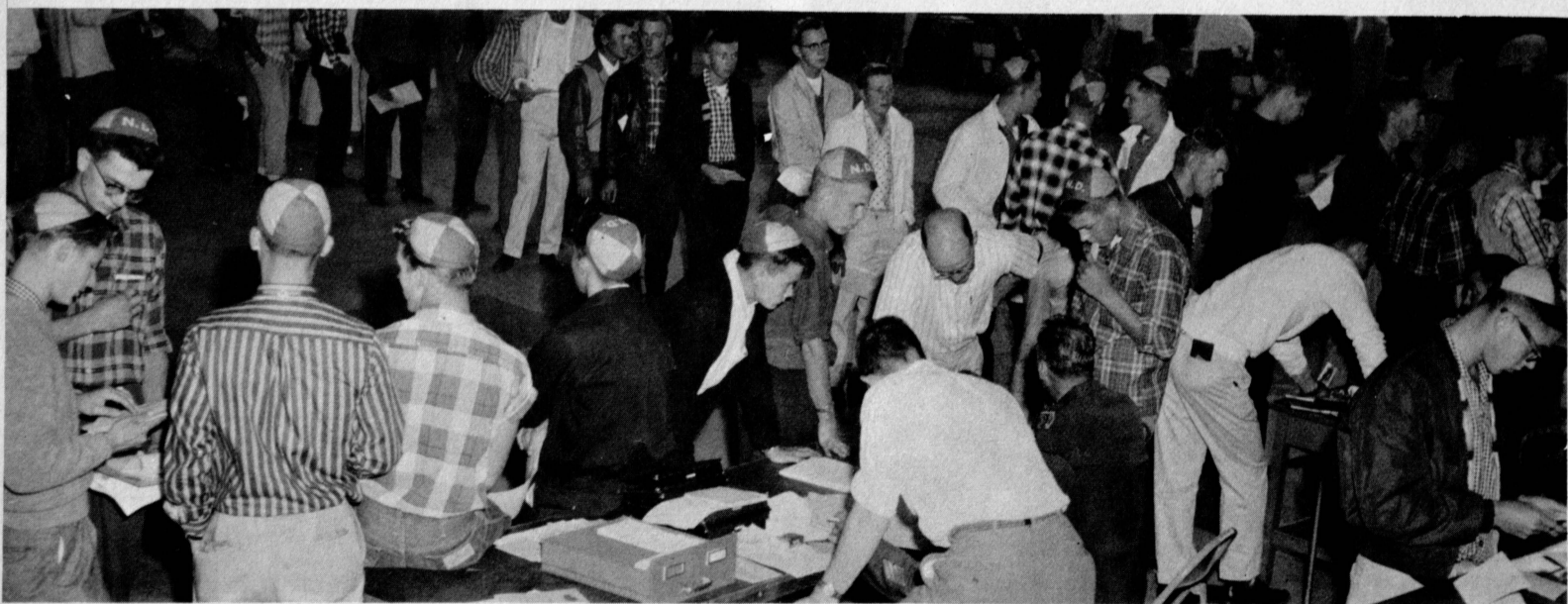


◀ **SOFT LANDINGS** are the mark of the skilled tumbler. Tumbling is just one of the many recreational skills taught by the physical education department at NDSC.



**FRESHMEN** line up for help in their first NDSC registration.

"WE HAVE TO WALK because the broom won't start," complain these witches in a Little Country Theater Production. ▶





religious centers.

# Community Life

"All work and no play makes  
back into a square."  
The NDSC program is arranged  
so that both Jacks and Jills have  
time to get a rounded back-  
ground by taking part in a num-  
ber of professional and social ac-  
tivities.  
Many of the recreational activi-  
ties are centered around the stu-  
dent union which also provides

many student services. The li-  
brary is another campus gather-  
ing place, but most of the activi-  
ties there are more cultural—and  
quiet.  
Student religious centers pro-  
vide places for both spiritual  
guidance and recreation. Almost  
every campus building houses  
some interesting and educational  
outside of class activities.

**EVERY GIRL'S A queen**  
at the Military Ball.



**FRESHMEN GIRLS** are  
marked women, especially  
when they neglect to wear  
their "beanies".

**NIGHT TIME** is the right  
time at NDSC dorms, whe-  
ther you wish to date or to  
study.

**SOLITUDE** among hun-  
dreds is found by this stu-  
dent as he speculates to-  
night's activities and to-  
morrow's classes in the li-  
brary foyer.



# 1960's Grads Need Technical Training

## Home Ec Program Offers Courses For Everyone

"A broadened program planned for the 60's will enable every student on NDSC campus to take at least one course in the School of Home Economics," according to Home Economics Dean Caroline Budewig.

"Class offerings under our new Home and Family Life Program will involve all aspects of home economics," she said. Both men and women students will be able to take courses in crafts, arts history, nutrition and food preparation, textiles and clothing, and child development and family relations.

The purpose is not only to give students in other schools a chance to see that home economics is not just cooking and sewing, but also to permit them to share in some of the valuable training which formerly was restricted to girls interested in home economics professionally.

Other changes contemplated in the near future, Miss Budewig says are:

- A new major in child development and family relations for which planning already is underway. Some of the advanced work would be done at the Merrill Palmer school in Detroit, Mich. It is a specialized training center for workers in the field of child development.

- Men are becoming more and more a part of home economics, particularly in research and administration, Miss Budewig points out. She says that the NDSC home economics school will try to interest more male students in taking home economics.

- Graduate level training will be expanded to offer degrees in the textile and clothing department and in the child development and family relations department during the decade of the 60's. Already there are graduate degrees available in food and nutrition and home economics education.

**POTTERY MAKING** in home economics art laboratory is doubly fascinating when you get both boys and girls in the same class.



The broadening field of home economics training being offered by NDSC fits into the changing needs of our communities. Miss Budewig explains that not only are girls being trained for the traditional home economics roles of teaching, extension work, public and institutional nutrition, and retail services, but they are being adapted to such dramatic new fields as production and marketing specialists, workers in the field of advertising and journalism, public relations, and radio and TV presentations.

**REAL LIVE KIDS** enrolled in the campus nursery help train coeds studying child development.



## Chemistry School Trains Top Scientists

Location of the oldest and largest paint and varnish department in the world in the NDSC School of Chemical Technology is just one indication of how long and how successfully that school has been serving the changing needs of our industrial age.

But the school also has departments of inorganic, analytical and organic and physical chemistry which reflect the school's awareness of the importance of every chemical field in the modern world.

To serve all these needs the school has been continually improving its research and teaching facilities so it can properly train people for work in the chemical and teaching industries.

Students and researchers in the School of Chemical Technology utilize such modern machines as infra-red and ultra-violet spectrophotometers used to identify chemical compounds, a large cen-

trifuge which can determine the molecular weight of elements and several other chromophotographic instruments and scales capable of measuring unbelievably small values.

**You can earn either a bachelor's, master's or doctor's degree in chemistry at NDSC, and with any of these degrees you are equipped to handle many responsible and challenging jobs.**

The School of Chemical Technology is housed in Ladd Hall, named for the late Dr. Edwin F. Ladd who started the school as the department of coating technology and paints. He became dean of the school and later president of the college. He is remembered also as a congressman who initiated accurate labeling of canned foods.

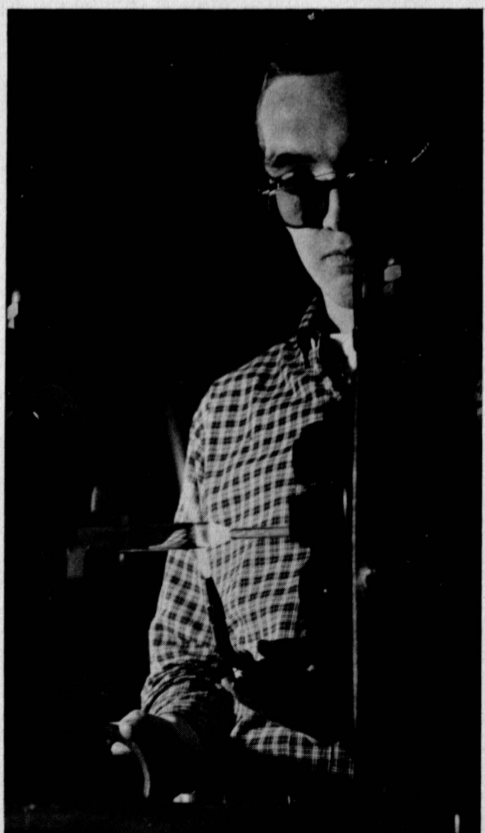
For the Sharivar festival, freshman chemistry students will

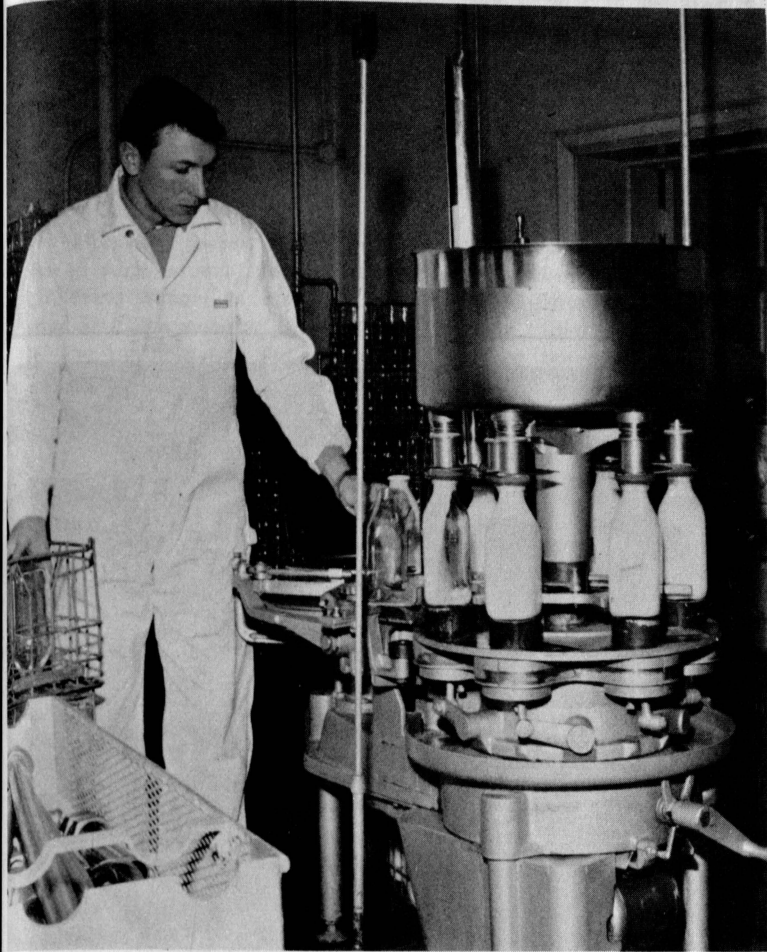
demonstrate several laboratory setups. Sophomores will show how inorganic compounds are analyzed quantitatively. Juniors will show some of the lab work of inorganic chemistry.

Dr. Charles Fleetwood and several students will demonstrate glass blowing. All the chemistry laboratories will be open and guides will explain equipment to visitors.

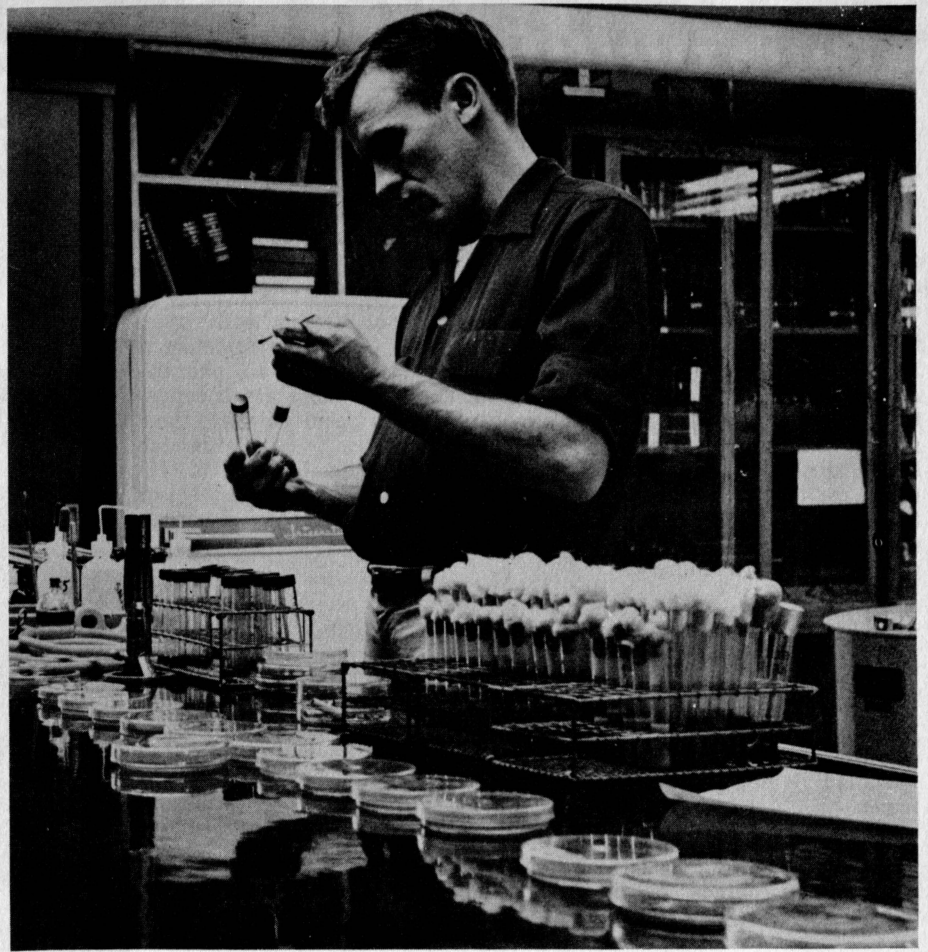


**WILL IT BE A GREAT DISCOVERY?** You might think so from the rapt expression of these chemistry students making routine experiments.





**MODERN DAIRY PLANT** trains students in modern techniques.



**FUTURE VET** learns about bacteria in vet science laboratory.

# Industry Needs the Skills You Can Learn At NDAC

## Engineers Seek to Adapt Man To Demands of Space Age Travel

One of the challenges of the 60's for the NDSC School of Engineering is the need to learn more about adapting men to the fantastic machinery they will use in the space age," states Dean Frank Mirgain of the school.

He points out that the scientist knows enough now to put a man into space, but how to bring him back to earth alive is yet to be solved. "This," he says, "is only one of the problems engineers must solve to adapt creatures of flesh and blood and relatively slow responses to steel and plastic machinery with one-thousandths of a second reactions."

The school already has broadened its training base to include courses in human psychology and physiology so engineers may understand better the human mind and machinery and how they react to stresses created by supersonic machinery.

The electrical engineering department of the school operates a meteorite tracking station in cooperation with the National Bureau of Standards. Another recent addition to the department

is a \$250,000 surplus army radar unit.

The possibility of irrigation in North Dakota prompts a lot of research and study by the agricultural engineering department. Workers are developing "land forming" methods to use in the leveling of land for irrigation.

The school offers courses in nuclear physics so that students may study in this highly-technical field. Two instructors are going to the Atomic Energy Commission summer school this year.

One of the reasons the NDSC School of Engineering has the largest enrollment of any school at the college is that North Dakota youth are well adapted to engineering, Dean Mirgain says.

"They know how to plan work, they are familiar with machinery and they know that you have to keep building and adapting to increase output."

**TURNING machine parts on a lathe gives mechanical engineers practical know-how.**

## 750,000 Building To Promote Agriculture Science Program

Construction of a \$750,000 agriculture science building to start this summer will help the NDSC School of Agriculture maintain its top level rating in agriculture training and research, according to Peder Nystuen, assistant dean of agriculture.

The structure will house offices, laboratories, and conference rooms to give scientists and technicians more space to carry on their work in improving North Dakota agriculture.

The new building will be located north of the Sheppard Livestock Arena and across from the new pharmacy building.

Two new ranges of greenhouses will be completed soon on the southwest corner of the campus. These ranges will be used by the plant pathology and plant physiology departments

**ORBITING SATELLITE is demonstrated to Sharivar visitors.**

for research in developing disease-resistant strains of cereal crops.

A spacious research laboratory has been added to the veterinary science department with laboratory equipment. Rooms also have been rearranged in Van Es Hall to meet the expanding needs in that department. Researchers in the new laboratory study parasites and the way they affect North Dakota livestock.

The agronomy department conducts studies in crop improvement, production, and management and also research in disease control and resistance. This is done both in the greenhouse and in the field. The soils department is experimenting with fertilizers, soil management and irrigation.

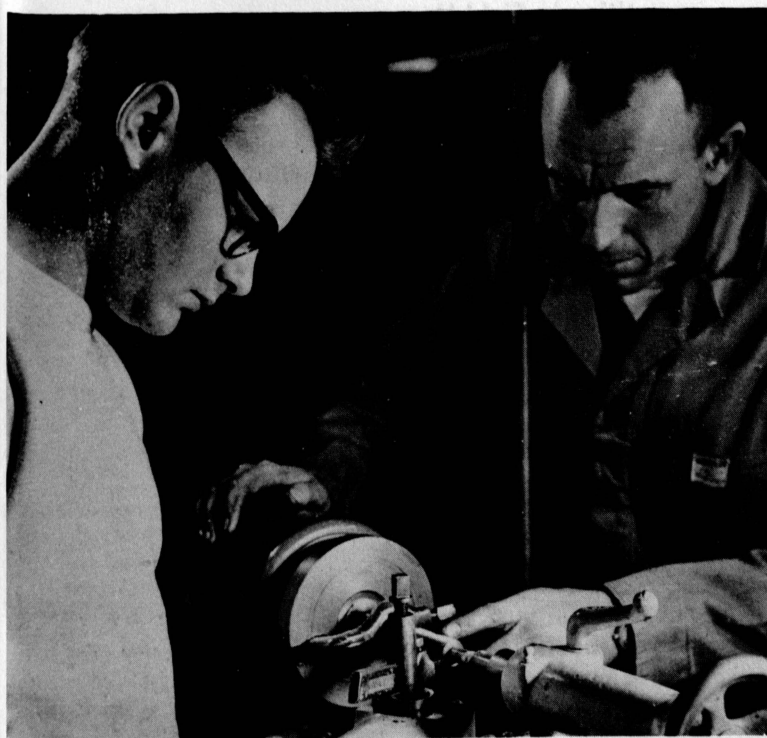
Insect pests which reduce farm income are studied by the entomology department working hand in hand with the agronomy department. For example, they seek control of the wheat stem sawfly,

common pest in the northwestern areas of the state. They also have just completed the only work in the world done on the life history of the barley thrips. Dr. Richard L. Post, associate entomologist, was in charge of the project.

The School of Agriculture is also developing some newly acquired land.

Studies in irrigation practices are to be conducted at the Carrington Irrigation Experiment Station. The school also has a 320 acre plot which was purchased last summer northwest of the campus, and a 320 acre plot west of Mapleton donated as the Dalrymple Experimental plot.

Completion of the new Animal Nutrition Center last summer which replaced the old barns on the north side of the campus, gives a place to study the value and quality of feeds for cattle, sheep, and hogs. The poultry husbandry department hopes soon to replace the research building lost to fire in November.



# New Building and 5-Year Plan Boom Pharmacy Training

Probably nowhere on NDSC campus are the changes being made to "adapt to the 60's" so dramatically evident as in the School of Pharmacy.

A new \$660,000 building is nearing completion and by next fall the school will be housed in a new home. This structure, of latest, fire-proof design, will have class rooms, offices and laboratories especially designed to reflect the latest developments in pharmaceutical training.

This year, also, the school is moving into an expanded five-year program which is becoming standard throughout the country. The rapid advances in medical learning and treatment of disease have dictated a more detailed training for pharmacists.

The five-year course will allow students to take a more logical sequence of courses. It will give them opportunity to take elective

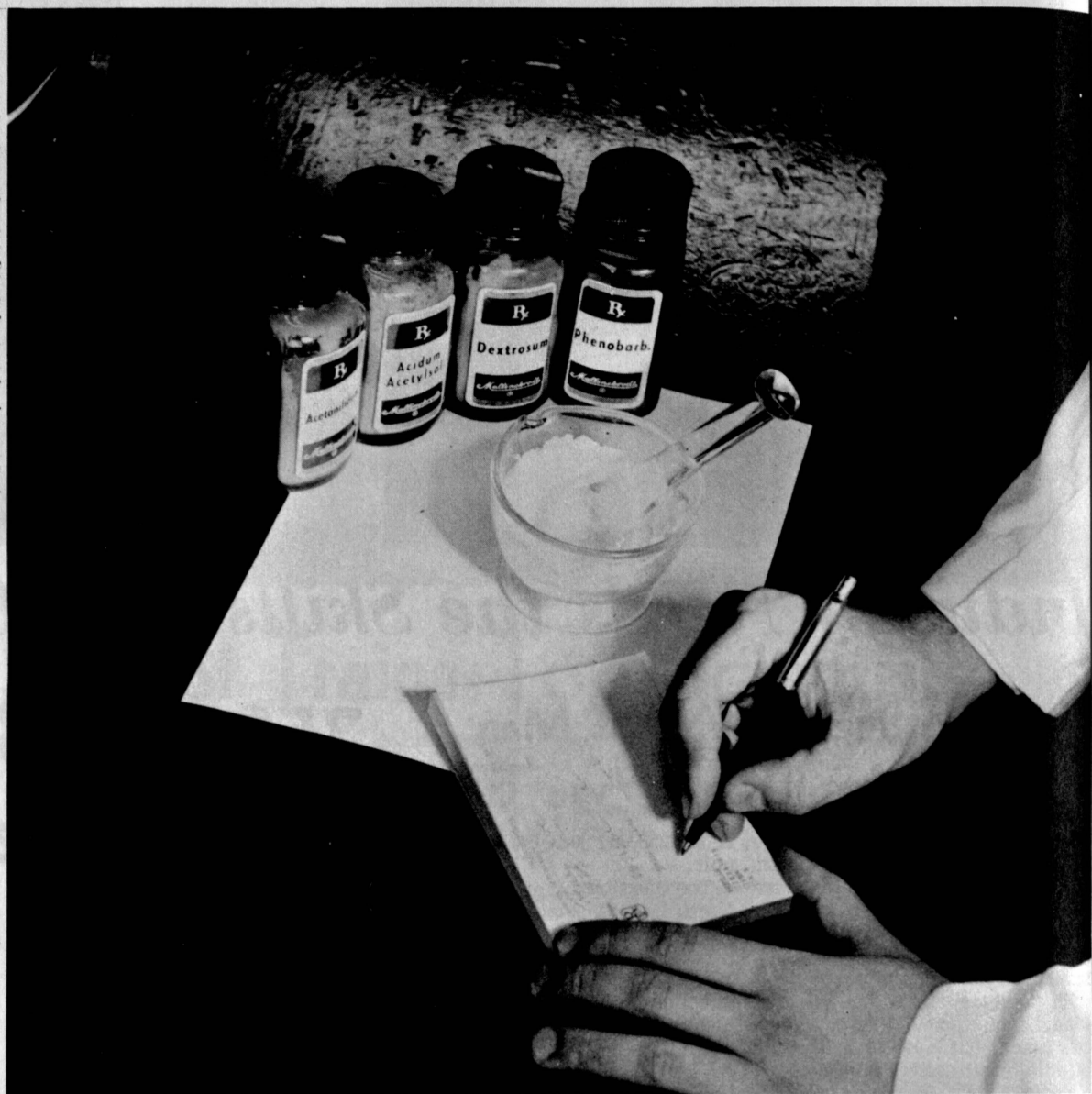
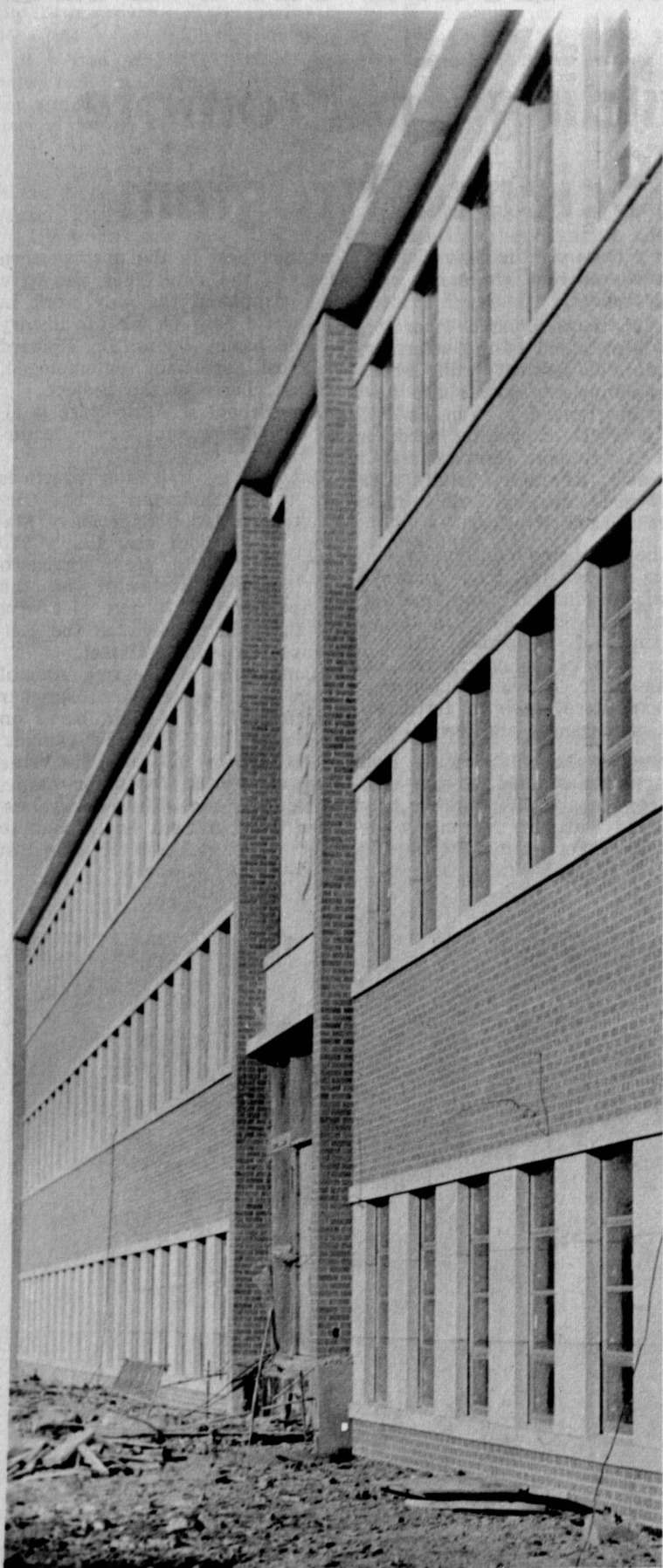
courses in humanities and social sciences or additional professional subjects.

The school trains both men and women to fill the ranks of a rapidly-growing army of pharmacists, many of whom are independent business people owning their own drug stores. Opportunities for women are especially good in this field, and the NDSC School of Pharmacy has about 25 coeds enrolled.

In addition to the regular bachelor of science degree in pharmacy, students may continue their training and earn master of science degrees in pharmaceutical chemistry, pharmacognosy, pharmacology, pharmacy and hospital pharmacy. Still more advanced work is possible towards a doctor of philosophy degree in pharmaceutical chemistry.

The school is accredited by the American Council of Pharmaceutical Education.

## PHARMACY BUILDING nears completion.



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## Sharivar Schedule

### FRIDAY, APRIL 22

- |                 |   |
|-----------------|---|
| 1:00-11:00 P.M. | Bowling in Union lanes for high schools                 |
| 1:00- 5:00 P.M. | Open houses in campus schools                           |
| 3:30 P.M.       | Style show in assembly room of Home Ec Building         |
| 2:00- 5:00 P.M. | Open house at religious centers, dorms and fraternities |
| 8:00 A.M.       | Bison Brevities in Field House                          |
| 9:00-12:00      | Sock Hop in Memorial Union Ballroom                     |

### SATURDAY, APRIL 23

- |                  |   |
|------------------|---|
| 9:00 A.M.        | Scholarship interviews in Library   |
| 10:00- 5:00 P.M. | Open house in all schools on campus   |
| 10:00-12:00 A.M. | Open house in religious centers, dorms and fraternities                             |
| 10:00-12:00 A.M. | Movies for children in Festival Hall—Babysitting service                            |
| 10:30- 3:30 P.M. | Drill team competition in Field House   |
| 10:30-12:00 A.M. | Child development observation laboratory in session in Ceres Hall                   |
| 12:00 A.M.       | Luncheon for scholarship candidates in Ceres Hall dining room                       |
| ALL DAY          | High school bowling in Union lanes  |
| 2:00- 5:00 P.M.  | Open house in religious centers, dorms and fraternities                             |
| 2:00- 4:00 P.M.  | Movies for children in Festival Hall—Babysitting service                            |
| 3:00- 4:00 P.M.  | Open house at Kappa Alpha Theta, Kappa Kappa Gamma and Alpha Gamma Delta sororities |
| 4:00- 5:00 P.M.  | Open house at Kappa Delta, Gamma Phi Beta, and Phi Mu sororities                    |
| 1:00 P.M.        | Chem-ystery Show in Ladd Hall   |
| 2:00- 3:00 P.M.  | Student recital in Putnam Hall  |
| 3:30 P.M.        | Style Show in assembly room of Home Ec Building                                     |
| 8:00 P.M.        | Bison Brevities in Field House  |
|                  | Awarding of scholarships  |
|                  | Awarding of trophies to winning Brevities Acts                                      |
| 9:00-12:00 P.M.  | Dance in Memorial Union Ballroom  |

### SUNDAY, APRIL 24

- |                 |  |
|-----------------|--|
| 11:00 A.M.      | Religious services at campus centers                     |
| 1:00- 5:00 P.M. | Open house in all schools on campus                      |
| 2:30 P.M.       | Joint concert of campus chorus and band in Festival Hall |
| 2:00- 5:00 P.M. | Fraternity and dormitory open house                      |