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# The Spectrum



HIGH SCHOOL EDITION

NORTH DAKOTA STATE UNIVERSITY, FARGO, N. D.

April 20, 1962

## Fun And Facts Featured At NDSU Sharivar

### Visitors To See Huge Array Of Attractions



Visitors to Sharivar, North Dakota State University's huge, all campus festival, April 27, 28 and 29, will find it one of the most exciting, most interesting and most rewarding events they have ever attended, promises Marlo Brackelsberg and Carol Schultz, Sharivar co-chairmen.

They point out that the big, three-day open house will feature such dignitaries as Governor William Guy and NDSU President Herbert Albrecht; that it will offer carnivals and contests as well as scholarships and advice; and all the vast teaching and experimental facilities of the university will be on display.

Governor Guy will speak at a special convocation Saturday morning, April 28, for parents and high school students. His topic will be, "What an Education Has Meant to Me."

Dr. Albrecht will welcome students to the campus, and other college representatives will advise on scholarships,

college entrance requirements and similar matters.

Nearly \$1,000 in college scholarships will be awarded on Saturday, and there will be opportunity for conferences with department chairmen and instructors.

A high school carnival all day Saturday in Sheperd Arena, Go Cart Races Saturday afternoon and a series of one-act plays presented by high school groups at Little Country Theater Saturday are just a partial summary of attractions.

In addition there will be the Broadway musical, "Damn Yankees" described elsewhere on the page, and other musical and cultural attractions.

A "High School Only" dance will be held Friday night, April 27, in the Student Union. There will be a jam session by the Statesmen, campus musical group, in the Student Union Saturday afternoon.

Of course every college will (Continued on page 2)

TEMPTATION in the enticing form of Lola, the devil's assistant, played by Judy Van Vlissingen; is offered to Ball Player Joe Hardy, played by Bruce Anderson. The Devil, played by Tom Joyal, is making the offer. Offhand, we can't figure out why Joe is hesitating, but you can find out by attending Damn Yankees on NDSU campus April 26, 27, 28.

Be Sure To See "Damn Yankees"

## Students To Stage Musical

You don't have to journey to New York to see a top-quality Broadway musical comedy.

Visitors to Sharivar on the North Dakota State University campus April 26-28 will have a chance to view "Damn Yankees," famous New York stage hit.

An all-campus production, produced by Blue Key, honorary service fraternity, and played entirely by students, the show is certain of a big attendance on campus.

The play was adapted by Richard Adler and Jerry Ross from the book, "The Year the Yankees Lost the Pennant," by Douglas Wallop. It is a baseball story set to music and contains such familiar songs as "You Gotta' Have Heart," and "Whatever Lola Wants." It also has been made into a motion picture. The cast will number 40 with twice that many other helpers.

Director of the show will be Byron Gackle, instructor in speech. Choreographer will be Miss Marilyn Nass, assistant professor of physical education.

The presentation of a musical is an outgrowth of a long tradition on campus of Blue Key sponsoring a minstrel show type production, "Bison Brevities."

Last year, students moved into the production of more sophisticated material when they staged Rodgers and Hammerstein's "South Pacific," with overwhelming success. Directors Gackle and Nass put the show together.

About 225 students took part in "South Pacific." Seventy five were in the cast and orchestra and about 150 for the backstage and other workers. It played to a capacity house for three nights with more than 5,400 persons viewing the show. It drew enthusiastic reviews.

If you enjoyed "South Pacific" last year or if you like baseball and romance, plan to see "Damn Yankees" at the NDSU fieldhouse during Sharivar.

## LINCOLN OPENED THE DOOR TO HIGHER EDUCATION

North Dakota State University is one of the colleges and universities which have revolutionized higher education in America during the past century.

One hundred years ago next July 2, President Abraham Lincoln, signed a law which opened the doors to higher education for millions of Americans. The Morrill Act, granted federal land to each state to endow a college.

A land grant of 130,000 acres in North Dakota provided for an agricultural college in the state.

In 1890 the first state legislature established the college at Fargo. The following year classes began in rented quarters in the city and in 1892 North Dakota State University moved to its present site.

Before the development of the land-grant idea, American institutions of higher education offered a rigid course of study composed largely of languages and mathematics, and you could prepare in college for only four professions, law, medicine, theology and teaching.

This type of classical education did not serve the needs of a young democracy bent on unprecedented development in engineering, agriculture and

other areas of an economy and well-balanced culture. Because of these needs the land-grant college was conceived.

North Dakota State University has carried out the idea of the land-grant philosophy from the beginning. The first courses were in English literature, language, mental and moral science, history, geography, mathematics, agriculture and bread-baking.

However, new methods of learning were needed by pioneer's sons and daughters for improving their daily lives. Professors began using observation, experimentation and practice and when the crops shriveled in the drought and were attacked by grasshoppers and stem rust, North Dakota's land-grant institution helped by developing new crop varieties and other services.

Observances of the Land-Grant centennial began last fall and will continue throughout the nation during the 1961-1962 school year. NDSU has arranged centennial "overtones" for many of the regular events on campus plus some special features such as the Centennial Convocation by special lecturers celebrating

(Continued on page 8)

### Here Is The Story Of This Newspaper

This special, high school edition of North Dakota State University weekly newspaper, the Spectrum, is financed and prepared by NDSU students and dedicated to high school seniors of North Dakota.

One of its important jobs is to reinforce the invitations you have been getting to attend Sharivar, NDSU all-college festival, April 27-29.

It also tries to give you a glimpse of the exciting, challenging reality that is college life on NDSU campus which you may inspect in great detail during your visit here.

Many persons contributed to the success of this newspaper, but student journalists on and off the publication staffs compiled the material, and Blue Key, campus honorary service fraternity, did the mailing.



# Existentialism

## Editorials . . .

## Greetings . . .

### From The Presidents

#### High School Seniors:

It is a pleasure to invite you to come to the campus of North Dakota State University during SHARIVAR, April 27, 28 or 29. Students and faculty alike will enjoy visiting with you.



This year's SHARIVAR is of particular significance since 1962 marks the centennial of the founding of America's Land-Grant Colleges and Universities. NDSU is proud to be North Dakota's Land-Grant University and as such, can point to a long record of worth while educational and research service to the people of the State.

The University joins with the other Land-Grant universities in this centennial year in rededicating its resources and competencies to the continued cultural and economic advancement of the people of

North Dakota and the Nation.

We of NDSU believe you will be interested in inspecting our facilities and learning to know our program, our staff and our students. We hope sincerely that we have the privilege of meeting you during SHARIVAR '62.

H. R. Albrecht  
President

#### High School Seniors:

The need for responsible decision confronts all spring graduates of high school.

Are you going to bury your head in the sand, ostrich-like, and evade decision on your future?

Or are you prepared to shoulder the responsibility of deciding in which direction you want your life to go, and deciding soon?

I doubt that I must point out to you the value of higher education in these complicated times, as compared with getting a permanent job with its somewhat more immediate returns in the pay envelope immediately after you graduate.

But, I submit the idea that university life is exciting and challenging and it will prove in the long run a rewarding and satisfying investment.

We students at North Dakota State University are proud of our institution and extend an open and friendly invitation to you to visit us during Sharivar weekend.

Sharivar is especially planned to give high school students, their parents and others the opportunity to visit NDSU at a time when the campus is set up to make it possible for you to see as much as possible, and for you to have as much fun as possible doing it. You will have a chance to investigate both the university's academic offerings and its stimulating recreational program.

We are proud to be part of higher education in North Dakota, so we will be proud to have you visit our campus. We think you will want to discover for yourselves if you want to become a university student.

Sherwood Bassin  
Student Body President

### THE SPECTRUM

High School Edition  
of the NDSU weekly newspaper  
published by the Students of  
North Dakota State University especially  
for the high school seniors of North Dakota.

- Editor in chief ..... Alyce Puppe
- Managing editor ..... Joe McKenzie
- Page editors — Alver Abrahamson, Mary Breitbach, Pat Dows, Delmar Kramer, Joe Schneider, Nancy Wolf and Jean Pulkrabek.
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- Business Manager ..... Gary Welsh
- Faculty Advisor ..... Verne Nies

# Sharivar Committee



SHARIVAR CENTRAL COMMITTEE includes co-chairmen, with sub co-chairmen for the university's six colleges, activities and publicity and secretary, treasurer and advisor. From left, by name and job, are: front row: Ruth Ann Peterson, pharmacy; Russel Maring, arts and science; Toni Woodmansee, home economics; Marlo Bracklesberg and Carole Schultz, co-chairmen; Bill Findley, activities; Betty Dahm,

publicity; Tracy Robeson, secretary; Row two: Gary Mutschelknaus, pharmacy; Carol Solberg, arts and science; Dan Rietze, chemistry; Arlene Weiss, chemistry; Jan Dunlop, home economics; Marlaya Mertens, activities; Richard Clemenson, agriculture; Don Eck, agriculture; Wallace Nelson, treasurer; Roger Lerwick, publicity; Bill Bakken, engineering; Don Schwartz, advisor. Not shown, Ray Jutila, engineering.

## Outstanding Student Wins British Award

One of the highest honors an American college or university student can achieve is a Rhodes scholarship, an expense-paid award of two-year's study at Oxford University in England.

David Schindler, an NDSU arts and science senior, and varsity athlete, was one of 32 young Americans to be given a Rhodes scholarship. He qualified after a rigorous interviewing and examining on a state and regional basis over a wide range of topics.

He competed with and won over candidates from Harvard, Stanford, Washington University and the service academies of the Army, Navy and Air Force. Schindler is the third NDSU student to win a Rhodes scholarship in ten years, a record difficult for any other college to equal.

Says Schindler, "I spent one year of college at a Big 10 school, and found that it had few advantages, unless standing in line an hour each day for lunch or walking five miles to class are considered beneficial."

"I think the ideal college should be small enough for the student to take part in a variety of activities and to



make a lot of close friendships with both students and faculty members. You can eat and get around from class to class easily and not spend hours doing routine chores."

Schindler welcomes the opportunity his scholarship gives for travel, making new friends and studying under the world's most famous educational system. He says he is grateful to NDSU for giving him the background he needed to earn the award.

## FUN FACTS—

(Continued from page 1)

be on display, with guided tours of classroom and laboratories. There will be specially-prepared exhibits in each college as well as seminars and opportunities to talk to staff members.

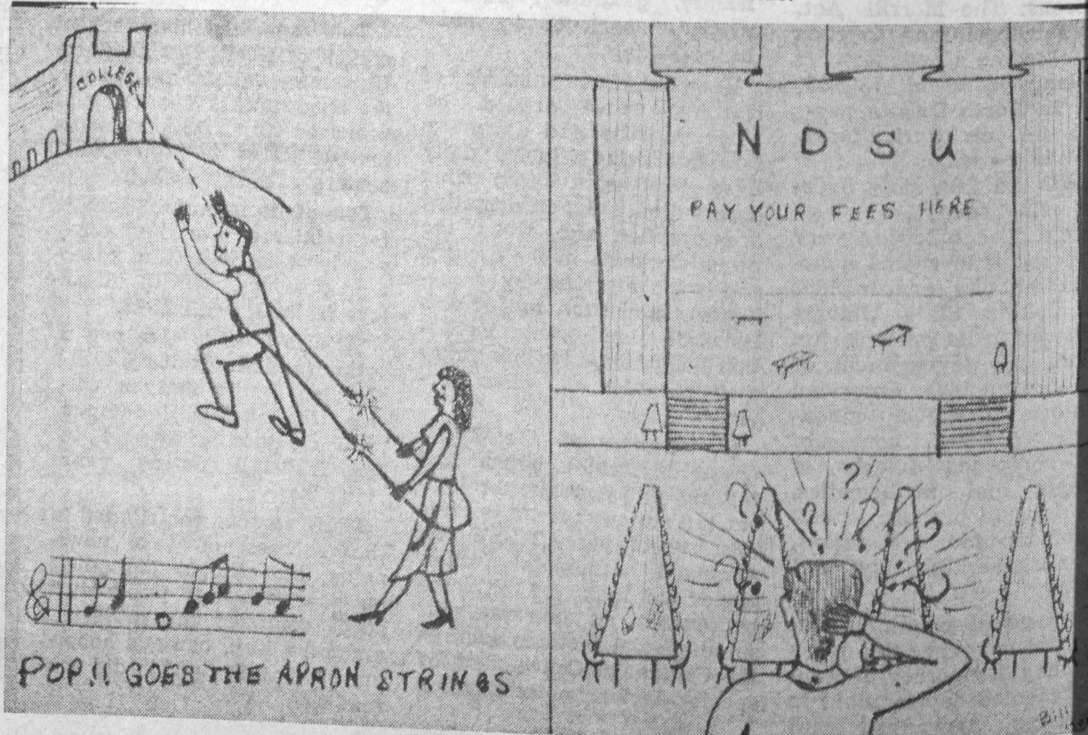
The dormitories, the church centers, the fraternities and sororities will be open for inspection during open houses.

A High School bowling tournament in the Student Union Friday and Saturday will be open to individuals and impromptu teams. A special bowling clinic will be held by Bill Baden, bowling instructor, both afternoons.

Home economics students will put on a style show and tea in the home economics building at 2:30 p.m., Friday, April 27.

You will be able to see wheat sedimentation test in the cereal technology departments of the College of Agriculture. Soil testing will be shown.

It would be impossible to detail here more than a few of the items to be displayed during Sharivar. But, you'll have plenty to do and see every minute you are on campus, even if you stay three days, the Sharivar sponsors emphasize.



# NDSU Colleges Challenge Youth

## Arts And Sciences Key To Learning

Today's university graduate steps into a technological society which demands knowledge of a wide range of subjects beyond his specialty. The call for workers in all vocational fields is for the graduate with a well-rounded liberal arts background in addition to studies in his chosen field.

The College of Arts and Sciences at North Dakota State University offers more than 560 courses, taught by more than 100 instructors in 21 subject fields.

This gives the student a wide choice in getting career training. Other colleges within the university also rely on the arts and science college to give their students needed basic courses.

Minard Hall, part of which dates to 1901, has been expanded and modernized continually to keep abreast of a growing enrollment and changing educational needs of North Dakota.

It has dozens of fine classrooms and offices. The recently-enlarged laboratories,

modernized and re-equipped, are designed to offer the student excellent study and research facilities in the natural sciences.

Students can take part in many good extracurricular activities available through the College of Arts and Sciences.

They include the Little Country Theatre dramatic groups, choral and instrumental groups of the music department, athletic teams and dance groups associated with physical education and student radio, newspaper, and yearbook.

Two fine museums in Minard Hall make it one of the show places of Fargo. One is the Natural Science Museum in the first floor corridors. The other is the Cass County Historical Society collection on the second floor.

Dr. Seth Russell, dean of arts and science, invites visitors to the campus during Sharivar to inspect the College of Arts and Sciences, and view the many exhibits, especially the museums.



ARTS AND SCIENCE HEADQUARTERS, Minard Hall, is one of the largest classroom buildings on campus. Yet arts and science classes spill over into several other buildings.

## Graduate Training Is The Top In Education

One of the most challenging tasks the universities of America attempt is that of supplying the vast number of people the nation needs who have training beyond the customary four years of college.

Industry demands highly-trained specialists. There is a large and growing shortage of high school and college teachers who must have graduate training. Government also uses many of these high-level people.

Much of the training required comes from graduate schools like the one at NDSU.

Enrollment at the NDSU Graduate School now is more than 300 students, according to Dr. Glenn Smith, dean of the Graduate School. More than 17 of these are working on the Ph. D. degree, the highest university degree obtainable. You can earn a master's degree, in more than 40 departments in all six of the colleges.

Despite the recent entry of NDSU into the Ph. D. granting field, seven candidates have already earned that high degree in plant science at NDSU and three more grants have been awarded for students enrolling next September. Doctoral courses also are being pursued by students in pharmacy, chemistry and in other fields of agriculture.

The university offers students fellowships, scholarships, assistantships and other forms of aid through funds supplied by federal and state governments and by private organizations.

Congress finances the National Science Foundation and National Defense Foundation grants, giving aid as high as \$2,200 a year per student of outstanding ability.

Graduate thesis work on research projects require many hours of laboratory work. Teaching and research fellowships offered in graduate school pay from \$1,600 to \$2,400 a year. Students enrolled under these work about half time, and carry a reduced load of studies.

MODERN DANCE offers students a chance to learn rhythm and dance skills and have fun, too. This group is practicing for a public performance sponsored by Orchesis, campus Modern Dance group.



ZOOLOGICAL MUSEUM in the Minard Hall first floor stops a couple of students on their way to classes. This is one of the finest collections of North Dakota wildlife specimens in existence.

## You Don't Have To Wait Enroll For Summer Classes

You don't have to wait until next fall to attend college at North Dakota State University. NDSU will again offer two summer sessions, beginning June 11, according to Dr. Hale Aarness, director of the NDSU summer school.

He points out that more than 200 classes will be available in all of the six colleges. They will range from first year courses to advanced seminars. Registration dates for the two sessions are June 11 for the first and July 20 for the second. Each session allows five weeks of classes.

In addition to regular courses, special sessions and workshops have been planned for specific study. The College of Pharmacy offers regular courses in a single session from May 28 through August 3 in order for pharmacy students to work uninterrupted in drug stores or other jobs during the vacation period.

A special course in home economics, Flat Pattern Technique, will be offered from June 4 to July 6. Three special courses in agriculture will be held from June 11 to July 6. These include Farm Management, Adult Education and Program Planning.

Two foreign languages, German and French, will be offered throughout the summer from June 11 to August 24 but students must register for the entire sequence to earn any credit.

Three institutes sponsored by the National Science Foundation will be held on the NDSU

campus from June 11 to August 3. They are the High School Science Teachers Research Participation Program and the College Teachers Research Participation under the direction of Dr. John Callenbach; and a Summer Institute for High School Teachers of Science and Mathematics, directed by Dean F. L. Minnear.

A European Tour is scheduled, with Kathryn Weesner, chairman of related art, in charge. The tour covering the high points in Europe is designed as a thrift package for students and will begin June 28 and end August 22 with side trips optional.

Other workshops and events at NDSU during the summer include a Coatings Symposium headed by Dr. Alfred Rheineck from June 4-7; a Leadership Training Workshop from June 11-15, conducted by Dr. Josephine Bartow; the School Lunch Workshop by Miss Lorissa Sheldon, June 11-13; and an Advanced Bishop Method on Fittings, conducted by Mrs. Trammell, July 11-13.

In addition Miss Mavis Nymon, chairman of food and nutrition, will give "Recent Developments in Nutrition" from June 4-8, "Recent Developments in Family Relations" will be led by Dr. Wm. Hawkinson, June 11-15. "Consumer Buying and Money Management" will be conducted by Miss Guthrie, June 18-22 while Dr. Josephine Bartow will present "Curriculum Problems in Home Economics", June 28-29 and July 2-6.

# Existentialism

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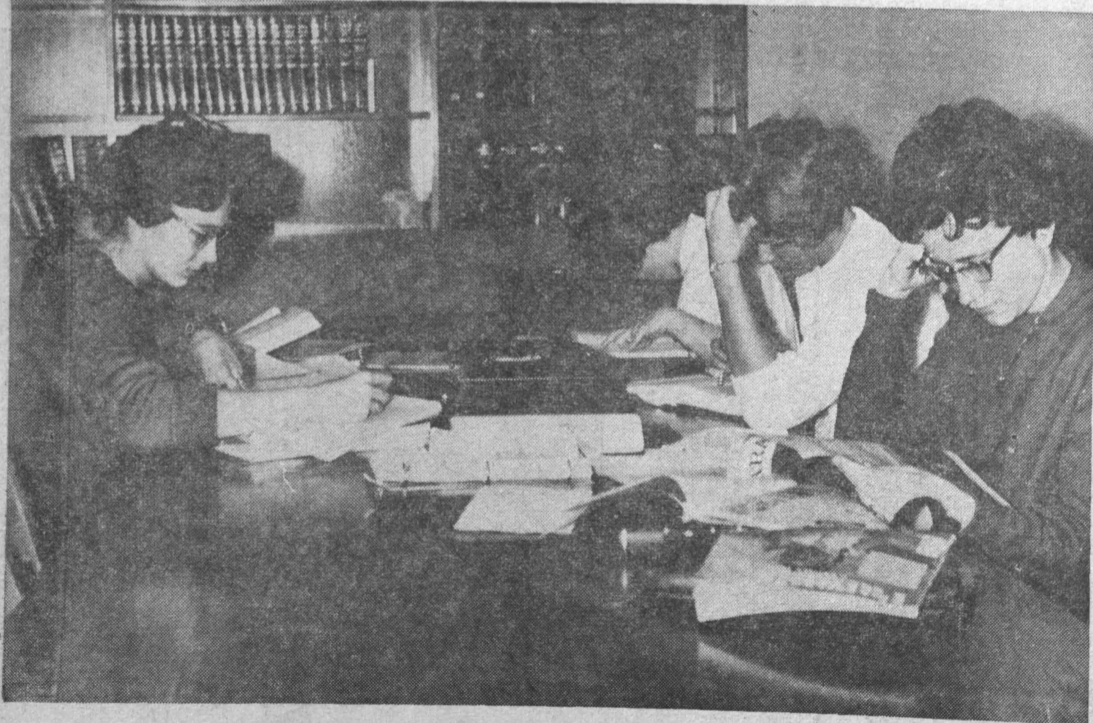


**IF I AM ELECTED** promises ring over campus during the student senate elections in the late winter. Election posters, sound trucks, doorbell ringing and phone calls also are used.

**IT'S ONLY MAKE BELIEVE**, but student players in Little Country Theater productions give their interpretations lots of realism.



**STUDY, STUDY, STUDY!** That's a first requirement of attending college, as these visitors to the library apparently know.



# NDSU S



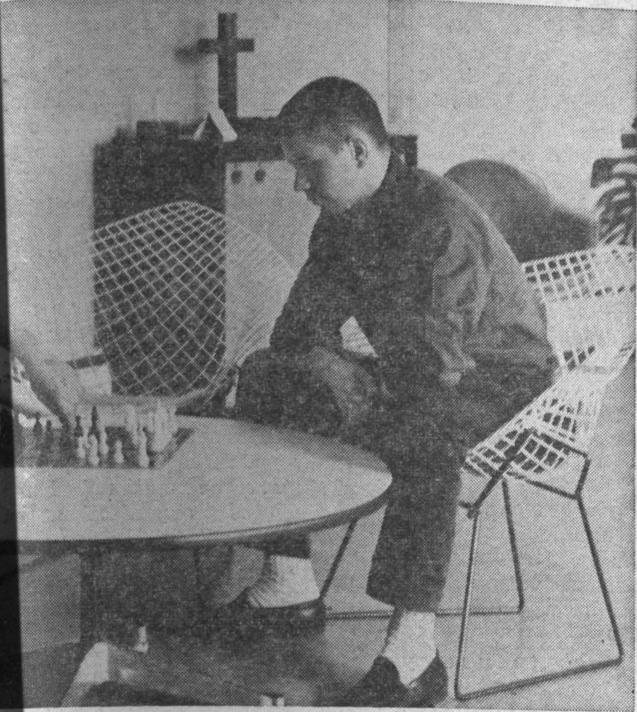
**RELIGIOUS CENTERS** provide places for students to get inspiration, intellectual discussion and just plain fun. In this case at the Wesley Foundation Youth Center.

**SCHOOL SPIRIT** is exemplified by these majorettes practicing for their coming parade.

**EVERYBODY TWIST** indicates the interest university students have in the new dances. This energetic pair is involved in a Student Union dance.



# Students Also Learn In Out-of-Class Activities



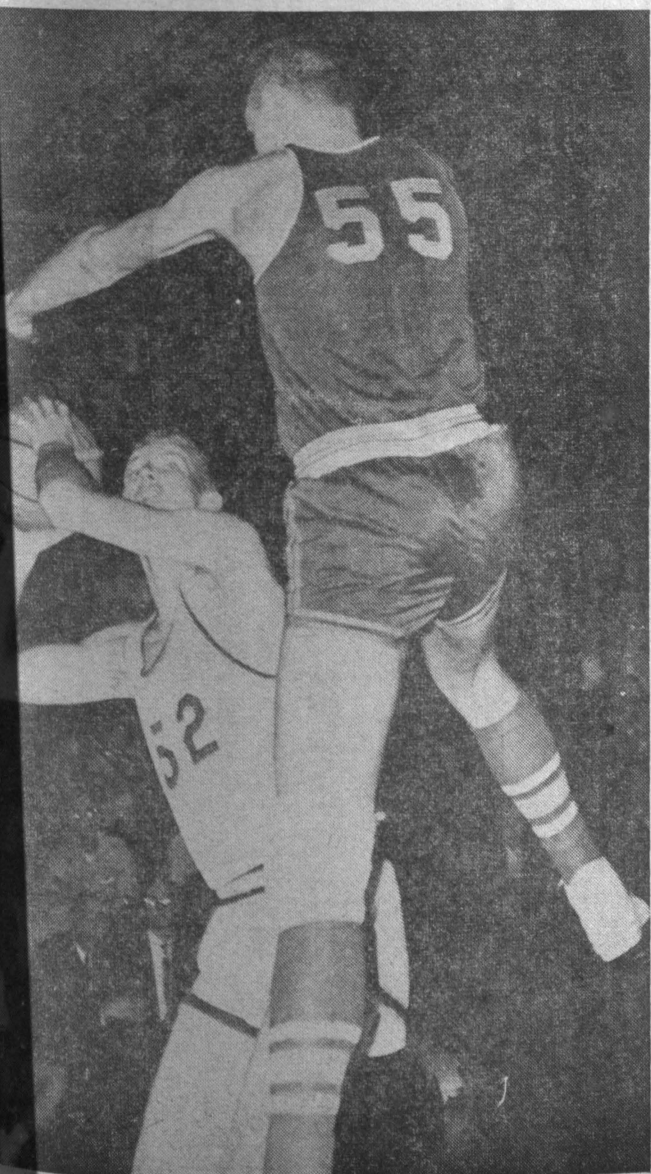
LITTLE INTERNATIONAL livestock judging show held each winter in Shepperd Arena gives students experience in conducting shows. Here are the Little Internationa' queen, and the top showman, and the queen attendants.

HOME AT NDSU for most freshmen and sophomores are dormitories. More dormitories are being built. These girls are putting in a quiet afternoon of study in their room.



BLOCK THAT TOSS, or you may lose the basketball game. Varsity sports are big crowd pullers at NDSU.

FOREIGN STUDENTS journey from all over the world to attend classes at NDSU. More than 25 students from 15 different nations now are enrolled.



# Evictantialiem



**BAKING BISCUITS** is a practical problem in freshman foods and nutrition laboratory.

## Home Economics Offers Diverse Opportunities

Home Economics is celebrating its 100th anniversary since the passage of the Morrill Land Grant Act of July 2, 1862.

At NDSU the College of Home Economics has grown from a small section of Ceres Hall, a woman's dormitory, to a large modern building.

"Enrollment has increased from 231 in 1953 to 361 in 1961 and jobs increased twice that amount," said Dr. Caroline Budewig, dean of home economics.

Even with growing enrollment, she points out, universities are unable to supply the need for professional home economists whose salaries can range all the way from \$5,000 to \$15,000.

"Whichever future you choose, homemaking or a career, home economics can give you the best possible training," home economists explain.

Home Economics has been defined by many as "cooking and sewing," but the field has expanded to include homemakers, dietiticians, teachers,

journalists, home agents, buyers, fashion coordinators, home service advisers, and institutional food management.

Careers also are available in child development, home management and family life, consumer education, interior decorating, furniture and clothing designing, color coordinating, and fashion illustrating.

Home Economics students have a chance to supplement their training by joining Tryota, the national home economics organization on campus and Phi Upsilon Omicron, the national honorary and professional home economics fraternity.

Home Economics students may each year take professional field trips to Minneapolis and Chicago to inspect manufacturing firms, stores, and museums to gain career information.

At NDSU majors are offered in foods and nutrition, home economics education, textiles and clothing, and related art.

## New Program And Building Help NDSU Pharmacists

Students who enrolled in the North Dakota State University College of Pharmacy last fall found themselves in a new, accelerated program in a brand new, modern building, Sudro Hall.

Around the college, you will find that students and faculty alike talk and act like they are embarked on a new era after a progressive past in pharmacy education for North Dakotans.

More than 300 students are enrolled in the college, making it one of the largest pharmacy training institutions in the midwest.

If you are enrolled in pharmacy at North Dakota State University you can specialize

in pharmacy, pharmacology, pharmacognosy, pharmaceutical chemistry, pharmacy administration, radio isotopes and hospital pharmacy.

Dean Clifton Miller says that the college expects to graduate its first student with a doctoral degree this spring, in the field of pharmaceutical chemistry. Numerous students have graduated with master of science degrees.

A new toxicology department gives the college additional, top-notch facilities, headed by R. W. Prouty, state toxicologist.

The department not only assists state law enforcement officers by making tests for

alcoholism and poisoning, but soon an entire new group of courses will be offered in the college.

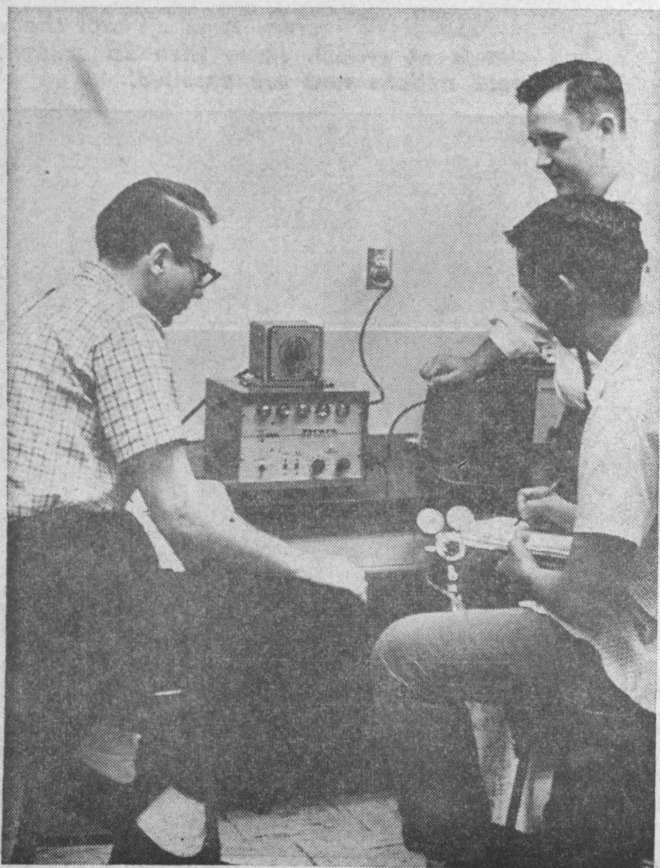
Such improvements are typical of the college, and they explain why it is one of the leading pharmacy-training institutions in the United States. The College of Pharmacy is accredited by the American Council of Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

Dean Miller reminds visitors to Sharivar that the entire college will be on display. High school students and parents are invited to visit and inspect some of the finest laboratories in North Dakota.

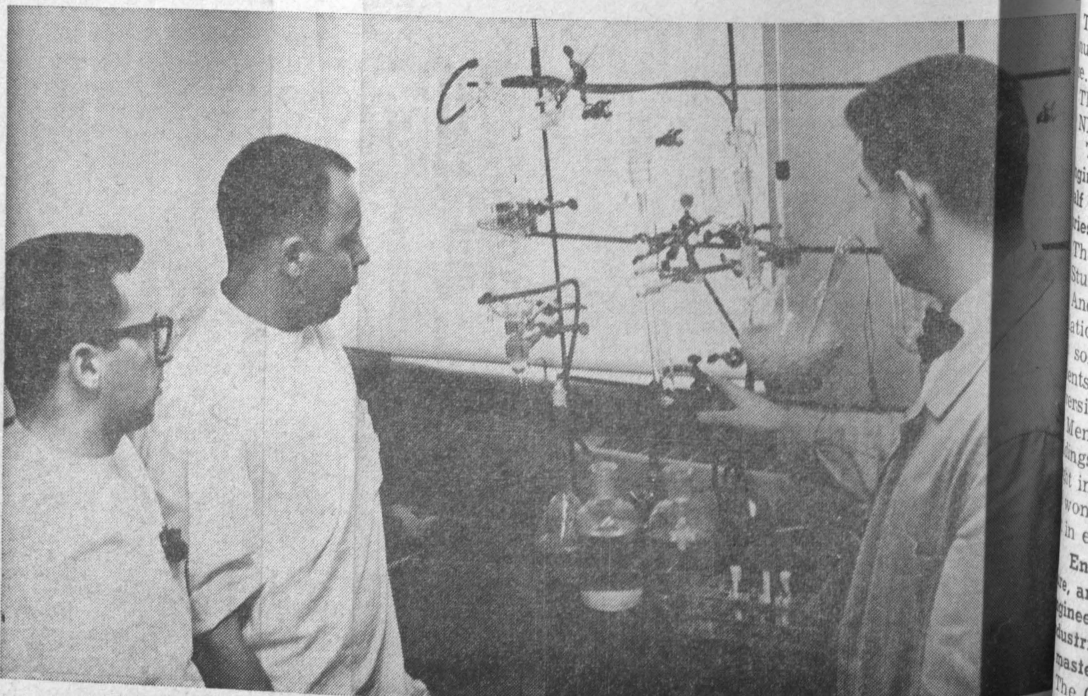


**IS IT STEAK?** or maybe it's a roast. These students in a meats course better know because it's an examination. Home economics students take the course right along with agricultural college enrollees.

**ISOTOPE LABORATORY** utilizes nuclear energy for research. Dr. J. P. Vacik, right, demonstrates gas flow counter for counting weak beta radiation to two graduate students.



**STATE TOXICOLOGIST R. W. Prouty** demonstrates for two pharmacy students the apparatus used to determine alcoholic content in the blood. Dr. Prouty tests all kinds of substances for evidence of poisons.



# Space Age Needs Scientific Specialists

## Chemistry College Plans Big Expansion Program

The NDSU College of Chemical Technology soon will be enlarged by a \$700,000 addition on the north of the present building, Ladd Hall. It will house more laboratories, research rooms, classrooms and a library for the several branches of chemistry.

To make room for the new structure, a portion of Dakota Hall, World War I temporary dormitory, will be torn down.

Dr. F. L. Minnear, dean of the college, says, "The growth of the College of Chemistry is not surprising if you realize the important part that science plays in our lives." He points out that chemistry has to do with nearly everything that we eat, drink, wear and otherwise use.

One of the reasons for the college's growth has been the unlimited horizons in this field. A chemistry student, depending on which courses he selects may become a high school chemistry teacher or a college teacher, an industrial or governmental chemist or a graduate student in advanced chemistry. You may study agricultural biochemistry, analytical chemistry, organic chemistry, coating technology or physical chemistry. The college also offers graduate

work, and the Ph. D. degree can be secured in organic and bio-chemistry and protective coatings.

The NDSU College of Chemistry is one of the few schools in the United States with an accelerated program to meet the increased standards of teaching. The senior year is devoted primarily to specialization in one of the six areas offered. The college is accredited by the American Chemical Society and ranks with the top two percent of the colleges in the United States in the number of accredited chemists it graduates.

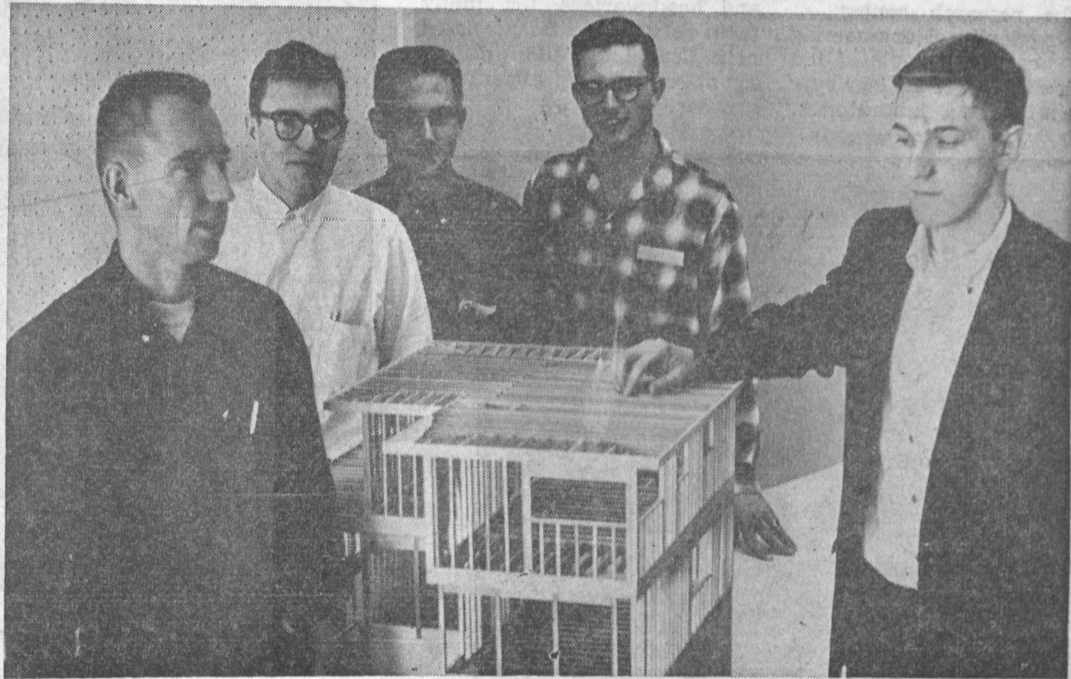
There are 113 students enrolled in chemistry. This includes 24 graduate students; one of whom is from India and another who is from Formosa.

Chemistry students develop their professional and social relationships through membership in the Chemistry Club. This organization offers annual scholarships, selects members to the American Chemical Society, maintains a fund for short time loans to chemistry students and performs other services.

A number of scholarships and fellowships are available for students who enroll in chemistry. They range in value from \$100 to \$2,400.



LABORATORIES are the workshops of chemical technology. Students spend many hours doing such comparatively simple experiments as qualitative analysis, as in the top picture. Others, as in the lower photo, use devices like the Abbe Refractometer to test compounds by light waves.



HOME OF TOMORROW is today's project for architectural students in College of Engineering.

## NDSU College Provides Engineers For Industry

SOLUTIONS BY AUTOMATION. These workers in an engineering laboratory solve complex problems quickly using an automatic data processor.

The technological nature of American industry means that we must hire thousands of engineers. NDSU supplies many of these.

The College of Engineering is one of the largest colleges on the NDSU campus with an enrollment of about 1,000 students.

To keep up with the growing demand for well trained engineers, NDSU is making plans for a new million and a half dollar building which will house class rooms and laboratories.

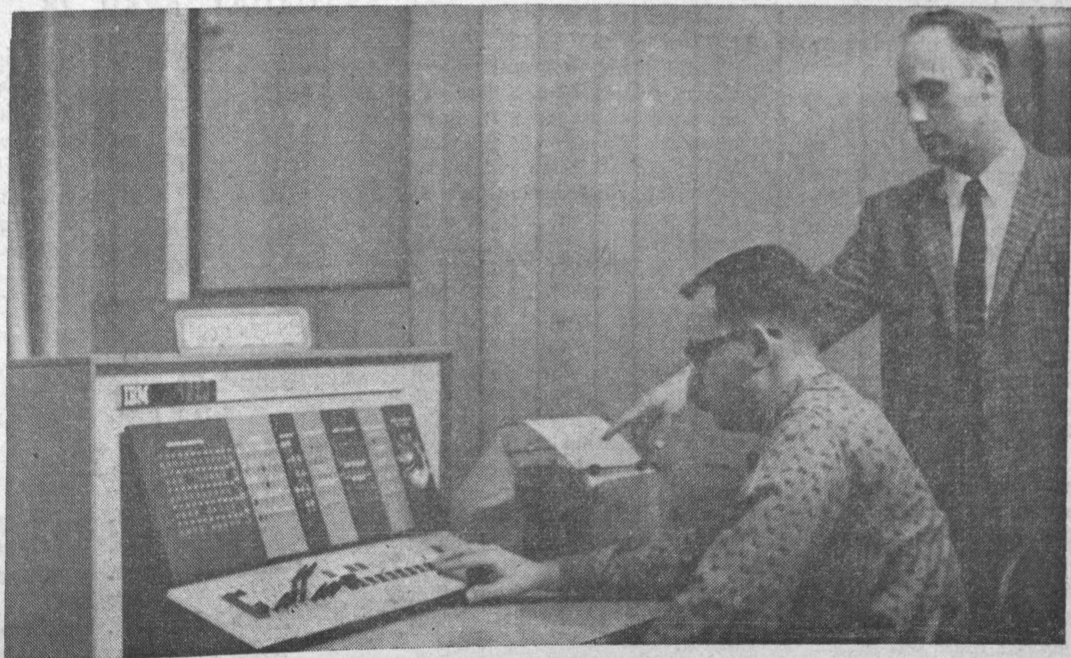
The new structure is to be built just west of Dolve Hall, near the Student Union parking lot.

Another improvement in the facilities was the recent installation of an electronic computer. It makes nearly instantaneous solutions of complicated problems. Electrical engineering students are required to take this course. Other university students may take this course as an elective.

Men are not the only students you see around the engineering buildings. More and more coeds are taking technical courses in the college, according to Dean Frank Mirgain, and several women are enrolled for degrees, including one graduate student in electrical engineering.

Engineers can specialize in the following fields: architecture, architectural engineering, agricultural engineering, civil engineering, electrical engineering, mechanical engineering, industrial engineering and physics. Graduate work towards the masters degree is also offered in most of these fields.

The College of Engineering through its Engineering Experiment Station undertakes many research projects for private and governmental groups.



# Modern Farming Demands College-trained Specialists

THE SPECTRUM  
NORTH DAKOTA STATE UNIVERSITY  
FARGO, NORTH DAKOTA

Non-Profit Org.  
U. S. POSTAGE  
PAID  
Permit No. 818  
Fargo, N. D.

About 40 per cent of the people in the United States are involved in agriculture, making it the nations number one industry. These people either earn their living from the farm or from farm related industries.

The College of Agriculture at NDSU is constantly expanding and improving its facilities so that it may better carry on its traditional role of serving agriculture.

The new university agricultural research center, Walster Hall, was recently completed and houses offices and laboratories for the departments of agronomy, soils, animal husbandry, plant pathology and horticulture.

This new \$750,000 research center is located west of the pharmacy building.

Another indication of the importance of agriculture on the NDSU campus, as well as in North Dakota, is the \$2,000,000 research center planned by the Department of Agriculture. It is to be located on the north edge of the campus just west of the football stadium. Land has been transferred to the federal government for use as a building site for the research center.

The agricultural engineering department has completed the addition of a second floor over two existing laboratories.

Three classrooms, a small laboratory, and additional facilities are included in the addition.

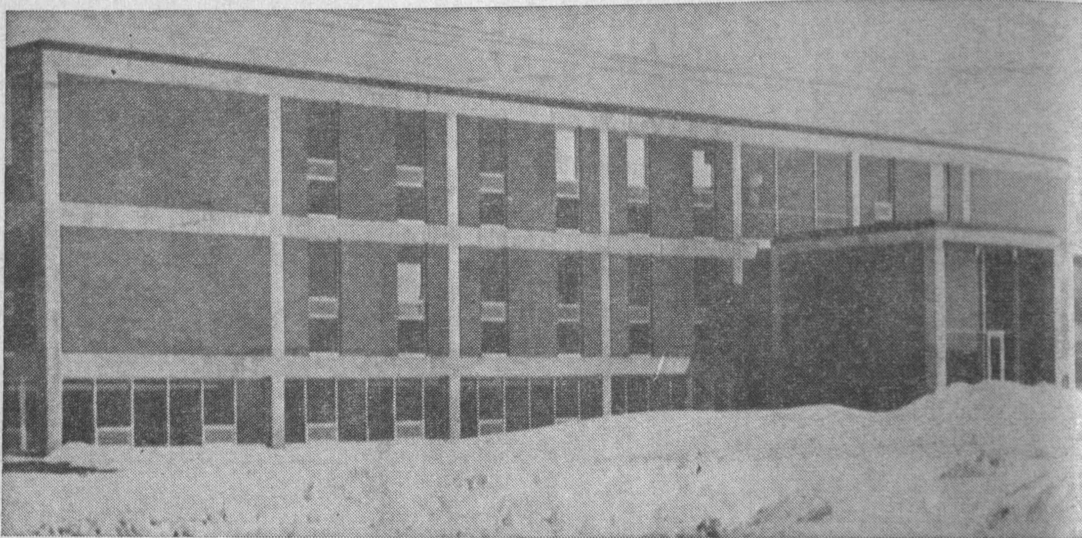
The College of Agriculture offers opportunities for study in many career fields. These include economics, soils, crops, education, engineering, entomology, dairy husbandry, animal husbandry, poultry husbandry, horticulture, bacteriology, and general agriculture.

Graduate work is offered in most departments and Ph. D. degrees can be earned in entomology, plant science or animal science.

More than 400 students are enrolled in the regular College of Agriculture courses. In addition, each year about 75 young farmers who are unable to attend regular classes attend an eight-week "short course" and increase their farming "know how".

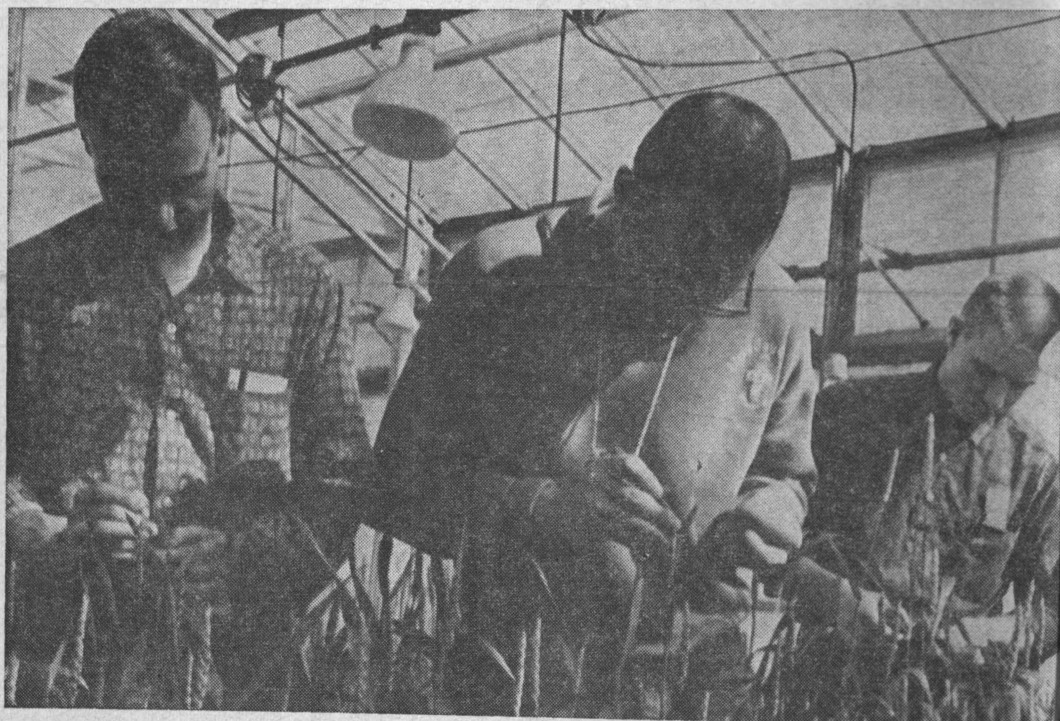
The College of Agriculture serves mostly students from North Dakota, but it attracts students who are interested in plains type farming from all over the midwest and from many foreign countries.

NDSU also is the center for many agricultural gatherings and headquarters for many farm service and farm related activities like 4-H, county agent work and experiment stations.



WALSTER HALL, new NDSU research center, houses many agricultural research groups.

PLANT BREEDING helps produce plants suited to North Dakota. These students earn while they learn by working in university greenhouses.



SHOWMANSHIP and livestock judging are taught in agricultural college classes and then tested in Little International and regional and national livestock shows.

## Lincoln Opened Door . . .

(Continued from page 1)

Justin Morrill's birthday April 17.

The centennial year occurs at a moment when the United States is taking a close look at the magnitude and urgency of its own educational task.

In 1862 a national population of 32,000,000 had 203 colleges and perhaps 25,000 college graduates, three-fourths of 1 per cent. Today a rapidly increasing population of 180,000,000 is served by more than 2,000 institutions of higher education enrolling nearly four million students.

The centennial points up some remarkable accomplishments. Today, land-grant colleges number fewer than one-twentieth of all colleges and universities in the United States but their enrollment is

one-fifth of the total.

Land-grant colleges now award nearly 40 per cent of all doctoral degrees in this country. Twenty of the 38 living Nobel Prize winners educated in America were graduated from land-grant colleges.

The enormously productive agriculture of the United States rests directly upon the research and educational effectiveness of the land-grant system. The agricultural experiment stations and the Co-operative Extension Service in agriculture and home economics are integral parts of the land-grant enterprise. The "county agent" has combined technical ability with skill in human relations to help other developing economies of our world.

## SHARIVAR SCHEDULE

### FRIDAY, APRIL 27

- 1:00-5:00 p.m. Registration at Student Union
- 2:30 p.m. Displays and demonstrations in all colleges on campus
- 8:15 p.m. High school bowling tournament at Union Lanes
- 9:00-12:00 p.m. Home Economics Style Show at Home Economics Building
- "Damn Yankees" musical at Field house
- Dance to the "Shadows". High school students only. Union Ballroom

### SATURDAY, APRIL 28

- 9:00 a.m. Registration opens at Student Union
- 10:00-11:15 a.m. High School Day convocation at Festival Hall
- 11:15 a.m. High School Day Tours begin at Festival Hall
- 11:15-8:00 p.m. Carnival at Shepperd Arena
- 11:15-5:00 p.m. Displays and demonstrations in all colleges on campus
- 11:30 a.m. Scholarship candidates meet at library lounge (by invitation)
- 12:00 a.m. Scholarship candidates luncheon at Ceres Hall
- 1:00-5:00 p.m. One-act play competition at Little Country Theatre
- 2:00-5:00 p.m. Bowling tournament at Union Lanes
- 2:30 p.m. Go-Cart Races by Shepperd Arena
- 2:30-4:30 p.m. Home Economics Style Show, Home Economics Building
- 3:00-5:00 p.m. Open house at all dormitories, sororities, and fraternities
- 8:15 p.m. Jam Session at Student Union
- "Damn Yankees" - Fieldhouse

### SUNDAY, APRIL 29

- 8:00 a.m. Ham Radio Club Balloon Launch
- 7:00-12 a.m. Church Services at Campus Religious Centers
- 10:00-5:00 p.m. Sharivar "Ham Fest" Registration and Program, Student Union
- 2:00-3:00 p.m. Sunday Lectureship
- 2:00-5:30 p.m. Displays and demonstrations in all colleges on campus