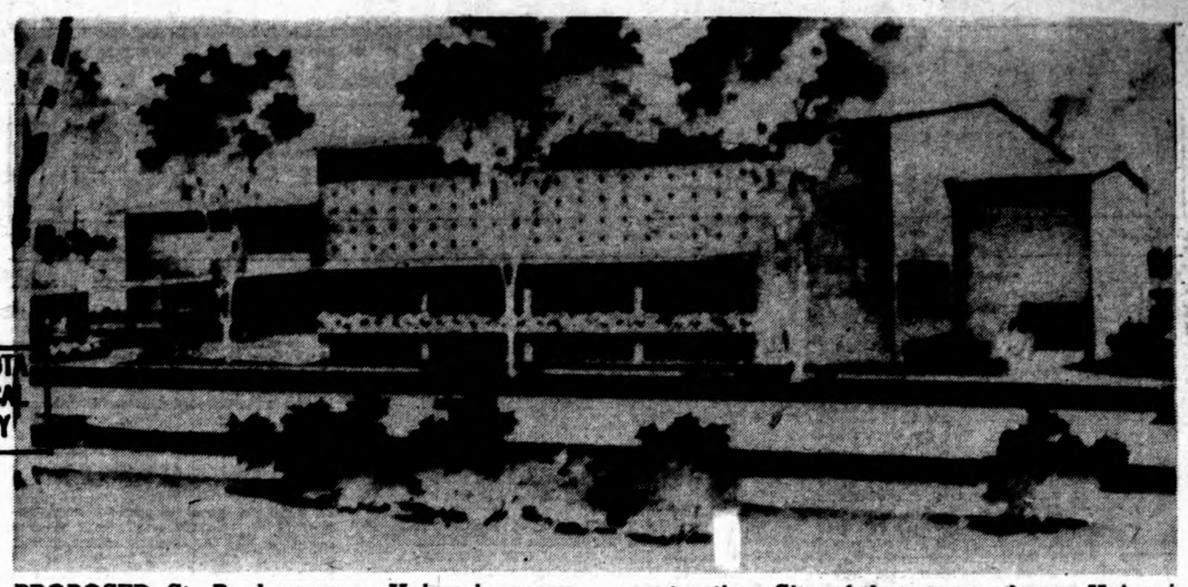
The Minnesota Daily

State Historical Society
St Paul Minn

MINNESOTA HISTORICAL SOCIETY

World's Largest College Circulation
The University of Minnesota, Tuesday, July 7, 1953



PROPOSED St. Paul campus Union is nearer construction than ever before upon the appointment of Walter C. Coffey, president emeritus of the University, to head a fund drive for Union construction. Site of the proposed new Union is just north of Coffey hall. Cost of the new building is estimated at $500,000. Construction will begin this year or sometime in 1955.

Marble, Tennis Champ, To Address Convocation

Alice Marble, former women's world tennis champion, will talk on "The Will to Win" at Thursday's convocation.

She will speak at 8:30 p.m. in Northrop auditorium.

VERSATILE Miss Marble has taken her own life as an example of how to achieve success.

When she was 20, she had tuberculosis and faced the life of a semi-invalid. But six years later she was women's tennis champion of the world, winning six major championships in one year.

NO OTHER woman has duplicated this feat.

In addition, Miss Marble was listed as one of America's 10 best-dressed women, one of the 10 women in the 1939 Who's Who, and one of the 10 outstanding women in the world.

Since that time she has written an autobiography, "The Road to Wimbledon;" appeared in several movies, most recently with Katherine Hepburn and Spencer Tracy in "Pat and Mike;" been a featured singer in New York and Hollywood night clubs, and has been a designer of women's sport clothes.

Earlier Thursday—from 2 to 4 p.m.—Miss Marble will conduct a tennis clinic at the University courts.

The clinic is open to all staff and students.

SHE HOLDS honorary journalistic degrees from three universities.

But Miss Marble maintains she is no better equipped for success than the average woman.

THE FORMULA for success is simple, she says.

- You must have the desire to attain a certain goal to the exclusion of all else.
- You must believe in your ability to do so.
- You must devote every iota of your energy toward the task.

Her record of achievements gave Miss Marble the idea for the lectures which have been delivered to more than 1,000 audiences in 44 states during the past 10 years.

THE LECTURE field has been her favorite in all of her many endeavors, she says.

The convocation program, free to the public, will be broadcast over University radio station KUOM at 11 a.m. Friday.

Indian Health Expert To Talk

"Public Health in India" will be reviewed on campus Thursday by the deputy director of health services for India's ministry of health.

DR. RAMAN Viswanathan will give the special lecture, free to the public, at 4 p.m. in the Museum of Natural History auditorium.

Dr. Viswanathan, currentiy on a three-month lecture tour of the United States, is also dean of the faculty of medicine at Delhi university and honorary director of the post-graduate course in tuberculosis there.

He is a TB specialist.

He holds degrees from the University of Madras, India; Guys Medical school, London; the Welsh National Medical school, Wales.

Wangensteen Gets Cancer Fund Grant

Dr. Owen H. Wangensteen, head of the department of surgery, has been awarded a $15,000 grant by the Damon Runyon Memorial cancer fund.

The funds will enable Dr. Wangensteen to re-study operations on patients suffering from gastric, colic and rectal cancer.

The grant was part of $197,830 allocated by the Runyon fund for various research projects.

Coffey To Head Fund Drive For Projected St. Paul Union

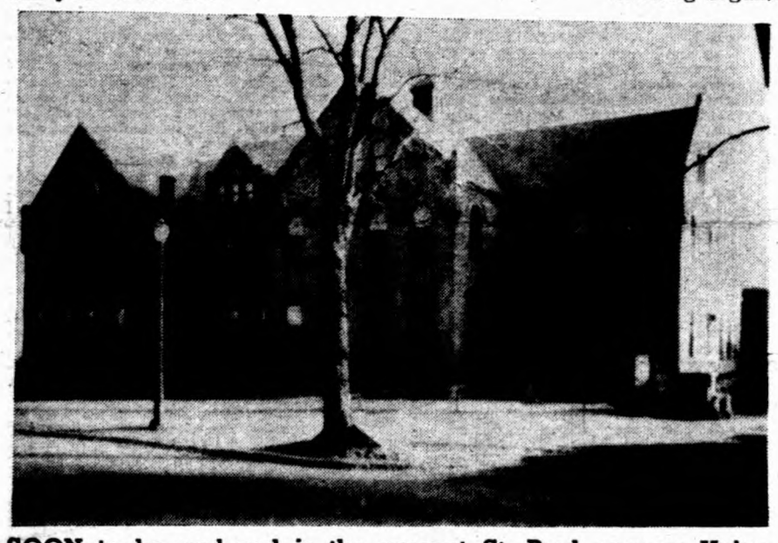
By Pat Ryan

Walter C. Coffey, president emeritus of the University, will head a fund drive for the proposed new St. Paul campus Union.

Coffey will appoint a committee which will concentrate its fund campaign on interior decorations and equipment. The committee and plans have not been announced.

CONSTRUCTION of the new Union, estimated to cost $500,000, has been held up due to insufficient funds. The amount on hand will cover cost of the exterior but not interior facilities.

Site of the new Union will be directly north of Coffey hall, administration building named for former president Coffey. Construction will begin sometime this year or in 1955.



SOON to be replaced is the present St. Paul campus Union. Built in 1891 the building was the Dairy hall until 1948 when it was converted into a student Union. The building is the third oldest on the campus and is not large enough to meet present student needs.

The Union now is housed in the old Dairy hall. Built in 1891, the old red brick building is the third oldest on St. Paul campus. Parts of the building are structurally unsound. Because of an increased enrollment during and after the war years, the need for a building in which to hold social activities became more apparent.

The hall underwent a major conversion in 1948. Cream separators, butter churns and other dairy equipment were moved out. The main floor was converted into lounges, the basement into game rooms and a grill and the second floor into activity and ballrooms.

TENTATIVE PLANS for building a new Union building began in 1946 when, due to the large enrollment, Coffman Memorial Union planned a student Union movement with its surplus funds.

It was estimated that the annual reserve might be $100,000 per year and the following program was adopted:

- Establish a Village Union.
- Build a new St. Paul Campus Union building.
- Expand facilities of Coffman Union.
- Establish a new outing center.

Since that time all the programs have been undertaken except the building of the new St. Paul Union.

A SPECIFIC plan to finance the building of the new Union was conceived at the same time the conversion was in progress. It provided that when $200,000 had been accumulated in a building fund another $200,000 would be borrowed to finance the building of the new Union.

Total cost of the project was estimated at $400,000 at that time. A recent estimate, however, has set building costs at over $500,000. Total cost for Coffman Memorial union, completed in 1939, was $1,896,900.

SUMMER SESSION 1949, the University approved hiring the firm of Magney, Tusler and Setter to sketch plans of the new Union. It was expected that the building would be started by 1951 or 1952, but construction was held up because of a decline in student population after the prosperous war years.

The new St. Paul Union project was added to the Greater University Fund in 1952. At that time John K. Fessler, chairman of the board of trustees, said, "This will appeal to Ag campus alumni particularly. There has long been need for a new Union on the St. Paul campus."

THREE GROUPS concerned with the new building are the official University planning committee, the Union board and the advisory committee. According to these groups the new Union will:

- Serve as headquarters for all organized student activities not providing their own buildings.
- Provide recreational needs of students, faculty and staff.
- Be the medium for the casual individual as well as organized social and cultural experience for students, faculty and staff.
- Provide for the physical comfort of the campus.
- Serve the University educational program.

Family Affair

Norwegian Musicians Form Versatile Team

Proof that music "runs in families," at least in some families, will be brought home to those who attend the all-Norwegian concert at 8:30 p.m. today in Northrop auditorium.

Miss Eva Knardahl and Robert Andersen, the Norwegian husband and wife team, who will perform tonight, were married at the end of World War II, just after the liberation of Norway. At that time she was barely 18, but already she was well on the way to a musical career.

(Another story on page 3.)

OSLO MUSIC lovers had heard her in her debut on the concert stage when she was five years old. When she was nine she appeared as a soloist with the Oslo Philharmonic symphony. From then on she appeared each season not only with the Oslo symphony but also with orchestras in Bergen, Copenhagen and Stockholm, all the time gaining critics' praise.

The team's other half, Andersen, has been a member of the Oslo Philharmonic Orchestra, concert master in the Bergen Symphony orchestra and conductor of the Philharmonic orchestra, concert

THE STAFF of the Oslo Music Conservatory claimed him as a fellow member, and he performed regularly on the broadcasting systems of Norway, Sweden and Denmark.

Both members of the team have interpreted the music of modern composers through the medium of chamber music in Norway's leading music centers.

SINCE their arrival in Minneapolis in 1947 they have become prominent in local music life. Both are engaged by the Minneapolis symphony orchestra, Miss Knardahl as official pianist and Andersen as a first violinist. He is also concert master in The Collegium Musicum and assistant concertmaster for the Minneapolis symphony's summer session concerts.

Both are members of various chamber groups and they work as a team in the Minneapolis Civic Opera association in which Andersen is conductor of the opera chorus and Miss Knardahl is pianist.

IN THEIR programs, music lovers of the Northwest and Midwest have heard the music of contemporary Norwegian composers such as Egge, Saeverud, Riverts, Spare, Olsen, and Valen for the first time. But they also include in their programs much contemporary music of America.

OFFICIAL DAILY BULLETIN

Students and staff are urged to read The Official Daily Bulletin as they are answerable for notices that affect them. Please note that notices must be received by noon two days before publication. All notices should be sent to the Department of University Relations, 213 Administration. Except for certain notices of campus-wide importance, notices will be printed only once.

Vol. 54 Tuesday, July 7, 1953 No. 7

ALL STAFF AND STUDENTS

- **Commencement and Senior Reception Rehearsal**—On July 16 candidates for all degrees will meet on the lower Mall between Vincent hall and the school of Chemistry at 4 p.m. for a rehearsal. You need not bring caps and gowns to the rehearsal. It is important that all candidates for all degrees be present because basic instructions will be given for the evening commencement exercises. As soon as you enter the lower Mall for the rehearsal, please form in line behind the standards of the college in which you are registered. The names of all colleges are on standards placed throughout the lower hall. The rehearsal is short—it takes less than one hour.

  Commencement—On July 16 all candidates for all degrees will meet at 7:15 p.m. on the lower Mall between Vincent hall and the school of Chemistry. Candidates will assemble under the signs of their respective colleges and will march to the upper Mall. Facilities will be provided on the lower Mall for students to leave their hats, coats and parcels. Attendants will be on duty during the commencement exercises. However, each student must remember where his own belongings were hung or left. Candidates for bachelors' degrees and doctors' degrees but not masters' degrees, can check their coats, if they wish, since these gowns hide shirt sleeves.

  The procession will enter the upper Mall at 8 p.m. The ceremonies will be over at about 9:30 p.m. The recessional will begin immediately at the conclusion of the exercises, and it is important that each student remain in line and follow completely the instructions which will be given at the rehearsal.

  President's Reception: — President and Mrs. J. L. Morrill invite all members of the senior class, their friends and relatives to attend a reception on the Union Terrace immediately after the commencement exercises. This is informal.

  Each member of the July graduating class should call at his post office box for his envelope containing guest cards, announcements and instructions for commencement and the senior reception. Students without post office boxes will receive this information through the mail.

DAILY RECREATIONAL ACTIVITIES

- **Concerts and Lectures**
  Tuesday, July 7, 8:30 p.m.—Summer Session Orchestra: Conductor—Robert Anderson. Soloist—Eva Knardahl, pianist. Northrop Memorial Auditorium.
- **Convocation**
  Thursday, July 9, 8:30 p.m. **Convocation:** The Will to Win by Alice Marble, former world tennis champion. Northrop Memorial Auditorium.
- **Films**
  Tuesday, July 7, 3:00 p.m.—**Educational Films: Area—American Studies**—Centralization and Decentralization, Political Parties, Capitalism. Auditorium, Nicholson Hall.

  Wednesday, July 8, 12:00 m.—Newsreel Theater. Main Ballroom, Coffman Memorial Union.

  8:30 p.m.—**Feature Film:** Beauty and the Beast (French with English subtitles). One of Cocteau's best and a great screen classic. Northrop Memorial Auditorium. Summer Session students admited upon presentation of fee statement. University staff member admission 60 cents (tax included).
- **Coffman Memorial Union**
  Tuesday, July 7, 12:30 to 1:30 p.m.—Union Recorded Concert Hour with Commentary. 315 Coffman Memorial Union.

  3:00 to 5:00 p.m. Union Variety Dance Instruction (Al Wiklund). Main Ballroom, Coffman Memorial Union.

  Thursday, July 9, 3 to 5 p.m.—Union Folk and Square Dance Instruction. Game Room, Coffman Memorial Union.
- **Friday Nite Social Dance**
  Friday, July 10, 9 a.m. to noon—Friday Nite Social Dance. Main Ballroom, Coffman Memorial Union. Summer Session student and partner admited upon presentation of fee statment.
- **University Theatre**
  Wednesday, July 8, Thursday, July 9, Friday, July 10, 8:30 p.m.—**University Theatre:** School for Scandal by Richard Brinsley Sheridan. Auditorium, Scott Hall. Summer Session students and staff may purchase season tickets for 75 cents for the two plays. Single tickets $1.20.
- **Excursions**
  Friday, July 10, 1:45 p.m.—Excursion to the State Capitol and Historical Society Museum. Leave the 17th Avenue entrance of the Administration Building. No tickets necessary. Trip by streetcar.

  9 p.m. to 1 a.m. Union Moonlight Excursion on the Donna Mae. Leave from the River Flats. Tickets available at Union Information Desk.
- **Demonstration—Recreational Games**
  Tuesday, July 7, 3 to 4 p.m.—Demonstration of new recreational games for use in elementary and junior high school. 153 Norris Gymnasium for Women.
- **Tennis Clinic**
  Thursday, July 9, 2 to 4 p.m.—Tennis Clinic. Conducted by Alice Marble, former national tennis champion. University Tennis Courts.
- **Evening Swimming**
  Tuesday, July 7 and Thursday, July 9, 7 to 9 p.m.—Co-Educational swimming. Bring own suits and towels. Cooke Hall.
- **Agricultural Cafeteria:**

  St. Paul Campus
  SUMMER MEAL HOURS

Breakfast	7:00-8-15
Luncheon	11:00-1:00
Dinner	5:00-6:00

  Closed Saturdays

ALL STAFF MEMBERS

- **I Term Grades Due July 21**
  I term summer grades are due in the Office of Admissions and Records by noon, Tuesday, July 21. Messenger service will be provided. Call extension 6658 when reports are ready. Please do not put reports in campus mail.

ACADEMIC STAFF

- **Oral Examinations**
  The final oral examination of Leroy Henry Holt, candidate for the Ph. D. degree, major Animal Husbandry (Breeding), minor Plant Genetics, will be held at 9 a.m., Friday, July 10, 1953, in the Seminar Room, Peters Hall, St. Paul campus.
  Examining Committee: Professors L. M. Winters, chairman, J. N. Cummings, W. E. Petersen, C. R. Burnham, David Merrell, and R. L. Kitchell.

  The final oral examination of Mearl Raymond Guthrie, candidate for the Ph.D. degree, major Education, minor Educational Psychology, will be held at 1:30 p.m., Monday, July 13, 1953, in 407 Johnston Hall.
  Examining Committee: Professors Ray G. Price, chairman, W. W. Cook, C. J. Hoyt, Ruth Eckert, E. A. Heilman, and W. G. Meyer.

  The final oral examination of Henry Edward Fritz, candidate for the Ph.D. degree, major Organic Chemistry, minor Inorganic Chemistry, will be held at 2 p.m., Wednesday, July 15, 1953, in Chemistry 115A.
  Examining Committee: Professors Stuart Fenton, chairman, J. L. Maynard, W. M. Lauer, B. L. Crawford, and W. N. Herr.

CIVIL SERVICE STAFF

- **Civil Service Vacancies**
  The following openings exist in the University Civil Service. Interested applicants may obtain additional information at Room 17, Administration Building. Employees are invited to inquire about promotional opportunities.

MALE	
Building Caretaker	$210 - $240
Communications Engineer	$340 - $390
Draftsman	$292 - $332
Engineer (Arch-ME-EE)	$380 - $430
Engineering Asst.	$262 - $302
Fireman or Apprentice	$262 - $302
General Mechanic	$267 - $307
Junior Engineer	$340 - $390
Laborer	$205 - $235
Personnel Trainee	$262 - $302
Principal Account Clerk	$282 - $322
Sr. Clerk	$205 - $235
Sr. General Mechanic	$292 - $332
Sr. Student Personnel Worker	$418 - $478
Storehouse Stock Clerk	$225 - $255
Truck Driver	$215 - $245
Utility Man	$215 - $245
Washman	$220 - $250
FEMALE	
Clerk	$170 - $195
Clerk-Steno	$170 - $195
Clerk-Typist	$170 - $195
Custodial Worker	$170 - $195
Dental Hygienist	$225 - $255
Hospital Aide	$170 - $195
Secretary	$205 - $235
Sr. Clerk	$205 - $235
Sr. Clerk-Typist	$205 - $235
Sr. Dietitian	$292 - $332
Sr. Dietitian (Duluth Branch)	$300 - $332
Sr. Food Service Worker	$190 - $220
Social Worker	$302 - $342
Telephone Operator	$190 - $220
Test Scoring Machine Opr.	$190 - $220
EITHER	
Assistant Scientist	$360 - $410
Accountant	$292 - $332
Jr. Librarian	$282 - $322
Jr. Scientist	$302 - $342
Librarian	$302 - $342

ALL STUDENTS

- **II Term Summer Fees**
  Fee statements for students who have already registered for II Term are in the post office boxes. Fees are due Monday, July 20.
- **II Term Summer Registration**
  Students who have not yet registered for the II Term should proceed as follows:
  1. Report to your college office to obtain registration material. Please bring your Summer Session bulletin. With few exceptions, Summer bulletins will be available only as reference copies.
  2. Have your registration blank approved at your college office. See Summer Session bulletin pages 11 and 12 for list of controlled courses. Obtain a course card for each controlled course from the tally rooms indicated.
  3. Turn in your approved registration blank, permit card, and course cards at the Admission and Records office to obtain fee statement. II term fees are due July 20. II term classes begin July 21.
- **Veterans**
  P.L. 16 and P.L. 346 Veterans must present their II term fee statements at window 18, Recorder's Office, have approved statement receipted by the Bursar, and present receipt at the Bureau of Veterans Affairs, Shevlin Hall, with course list to obtain order for books and supplies. New veterans must present "Letter of Eligibility." St. Paul Campus veterans follow the same procedure at appropriate St. Paul Campus offices. Full load for P.L. 16 and P.L. 346 is 6 credits per term.
  Teachers, to retain eligibility, are required to attend one summer term of at least five weeks' duration each year. Teachers must submit a statement from their employer that they have been employed as a teacher or as a person directly responsible for instruction during the school year, giving inclusive dates.
  P.L. 550 Veterans pay their own fees. After fees have ben paid, please report to window 18, Recorder's Office to have Enrollment Certificate submitted to the Veterans Administration covering the summer period. New veterans must submit their Letter of Eligibility. Veterans must also report at the beginning of each calendar month and at the end of summer attendance to file monthly attendance reports. Full load for P.L. 550 is 7 credits per term.
- **Degree Applications Due July 24**
  Students who expect to graduate at at the August Commencement must report by July 24 to their college clerk in the Recorder's Office to file "Application for Degree." II term Graduation Fee due July 27.
  Students expecting to graduate fall 1953, winter, spring or summer 1954 should also file "Application for Degree" at this time. A balance sheet listing remaining requirements for graduation will be mailed as soon as practicable.
- **I Term Summer Grades**
  Reports of I term summer grades will be mailed July 31 to the addresses given for this purpose on I term summer registration blanks.

SLA STUDENTS

- **Sophomore Culture Test**
  The Sophomore Culture Test will be given on July 9 (Thursday at 1:30 in 101 Westbrook Hall. This will be the only time it will be given during the summer sessions. Students should register for the test in 223 Johnston Hall. Students may be excused from class work if necessary.

EDUCATION STUDENTS

- **Comprehensive Examinations**
  The comprehensive examinations for graduate students working with Dr. Nelson Bossing in secondary education, including administration and curriculum, will be given on Wednesday, July 22, and Thursday, July 23, from 1:30 to 4:30 p.m. in 125 Johnston Hall. All graduate students planning to receive the Master's degree in secondary education in August or in December should sign up for these examinations on the bulletin board outside of 206 Burton Hall by Tuesday, July 21.

The Minnesota Daily
Summer Edition
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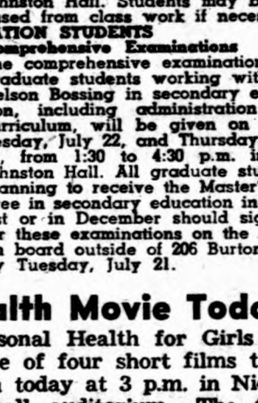
EDITOR ..... DEAN SCHOELKOPF
BUSINESS MANAGER ..... NORM HOVE
Night Editor ..... Dick Elsberry
Asst. Night Editor ..... Ted Schwartz

Health Movie Today

Personal Health for Girls will be one of four short films to be shown today at 3 p.m. in Nicholson hall auditorium. The films "Understanding Vitamins," "Mental Health," "Allergies" and "Personal Health for Girls" are sponsored by the summer session office through the audio-visual education service.



BEAUTY and the Beast, a French surrealistic motion picture, will be shown tomorrow at 8:30 p.m. in Northrop auditorium. The famous fairy tale was adapted for the screen by Jean Cocteau, French playwright and poet. The French film, which has English subtitles, depends upon the camera and the actors to convey the ideas of the plot instead of spoken words. Beauty (Josette Day) is given to the beast (Jean Marais) who is half man and half animal. Beauty finally falls in love with the Beast and by a kiss transforms him into a Prince. Summer session students are admitted free. Staff tickets are 60 cents.

SPAN Report

Hampstead Takes On World Outlook In Press, Culture

By Betty Berg

Editor's note: This is the second letter by Daily staffer Betty Berg, SLA sophomore, who is studying English family life for her SPAN project. She writes from Hampstead, London.

Newspaper offices must look the same the world over. The Hampstead News and Golders Green Gazette, the suburban tabloid weekly covering the area where Spanners to England live, occupies a little green building with grimy windows.

PICTURES of local kids and clubwomen along with village headlines are displayed in these windows beside dusty notes that give ad rates. The entrance looks worn; the reference books inside are a little out of date.

But the people who work there are active and intent, eager to snare a story for the News-Gazette. I went to the office to get information for my SPAN report and because I like newspapers. I finished by telling the staff the story of SPAN, the reason why their borough had suddenly been invaded by 16 young Americans.

So they learned the tale of SPAN and I found facts I needed along with some of their neat comments on British life.

HAMPSTEAD, one of London's boroughs, is something of an artist-student area. Says News-Gazette editor Stewart Valdar, "There are more beards and sandals per square mile here than anywhere in London."

Each Sunday Hampstead has an open air art show. "Go there sometime," advises Valdar, "There's good art amid the washroom drawings. And see the artists. Most of the girls wear jeans and smoke pipes."

Many nationalities live in Hampstead—students and displaced persons of every race. "It's getting so you need a passport to enter the borough," says the editor. But amid the mingled races, Valdar recalls no incidents of intolerance.

"BRITAIN can't afford to insult any culture," he says, "and nobody thinks of doing so anyway."

The Hampstead News and Golders Green Gazette has found itself in the center of a suddenly very fashionable borough. People from many countries have brought their talk and customs here. The newspaper office continues to look the same but the publication is finding new life in a surge of international ideas.

Knardahl Duo To Perform 'At Convocation Tonight

A Norwegian pianist will perform an all-Norwegian concert at 8:30 p.m. today at a convocation in Northrop auditorium.

Miss Eva Knardahl will be featured pianist with the summer session orchestra. Her husband, Robert Andersen, will be guest conductor.

Feature work of the evening will be Grieg's Concerto in A Minor, for piano and orchestra.

The program also includes:

Triumphal March from "Sigurd Jorsalfar" — by Grieg, Norwegian Rhapsody No. 3 by Svendsen, incidental music from the Ibsen drama, "Peer Gynt" by Saeverud, and selections from Robert Wright's arrangement of Grieg's "Song of Norway."

Miss Knardahl made her concert debut in Oslo when she was five years old. She has since been acclaimed by famous European music critics.

Dr. Einar Ingvald Haugen, former cultural relations officer at the American embassy in Oslo and chairman of Scandinavian languages at the University of Wisconsin, will comment on contemporary Norwegian music.

The concert is sponsored by the summer session office and the Minneapolis musicians association. The orchestra is provided by Local 73, American Federation of Musicians through a grant by the music performance trust fund of the recording industry.

New Theater Will Cost $1 Million

The proposed University theater to be constructed on the site occupied by the temporary buildings south of Folwell hall, will cost nearly $1 million, according to Audley Grossman, U Theatre business manager.

The drive for a new theater, begun eight years ago, received new impetus two months ago when a committee was named to collect funds for the project.

"A theater building has become a necessity. We seek the interest and support of those who share our love of the theater," is the way Pres. J. L. Morrill summed up the situation recently.

THE BUILDING will be arranged so plays can use settings on different levels. This design, similar to the Malmo theater in Sweden, will follow the latest trends in theater architecture.

It will be build so the action of the play may be in the audience. This is a compromise betwen a conventional style of construction and an arena theater in which the audience completely surrounds the actors.

The new theater will house offices, library, costume workshop, scene shop and the business and director's offices. These departments are now scattered over the campus, creating a transportation problem during the production of any play.

THE THEATRE'S only source of income is from ticket sales, 20 per cent of which is set aside for the bulding of the new theater.

Newsreel Program Will Include 5 Attractions

Three newsreels plus a feature attraction, "Knights of the Highway," and the cartoon, "Pete Hothead" make up tomorrow's union newsreel program.

Students may bring bag lunches to the movies from noon to 1 p.m. in the Union main ballroom.

Construction Project Fire Does $150 Damage

There was some smoke, lots of screaming fire engines but little damage when fire broke out in the Mayo Memorial construction project at 6 p.m. yesterday.

The blaze broke out in a pile of construction timbers. It was apparently caused by a short circuit in a wire leading to a power saw.

Two ladder companies and a pumper quickly despatched the fire after it caused damage estimated at $150.

'Evening at Opera' Planned by Y Groups

An evening at the opera, at Lake Harriet pavilion, will be sponsored by the University YMCA and YWCA Thursday, July 9.

The opera, "The Marriage of Figaro," will begin at 8 p.m. Admission is 75 cents.

All summer session students, Y members, and others who are interested in attending should meet at the YMCA building, 1425 University avenue S.E., at 7 p.m. for transportation.

NERVE center of the mammoth U heating plant

Not So Hot

Campus 'Heartbeat' Slows During Summer Sessions

By Ted Schwartz

Where is the heart of this University? Physically speaking, the mammoth central heating plant, on the river bank near University avenue, deserves the name.

These hot summer days, the heart is just barely beating. Five boilers, each as high as a three-story building, have been shut off. One boiler simmers on, at a reduced pressure. A carload of coal trickles into the plant each day.

THIS TRICKLE becomes a deluge during the winter months. Two hundred tons of coal will pour in during an average December day, as the boilers pump steam to 80 campus buildings.

Deep underground tunnels form the arteries to this heart. The tunnels are 120 feet underground. In a "pincer" movement, one runs underneath the Administration building side of campus to join another, coming from the river bank side, behind the Union.

Pipes and surface tunnels carry steam from these deep tunnels to the individual buildings.

A COMPLETE breakdown during the winter would mean unheated buildings with no hot water supply. Food service would stop, and University hospital would have no steam for sterilization.

"No layman can visualize the size of this operation," says Harry Orr, chief engineer at the plant. "This is the largest University plant in the country, and it is bigger than any central plant in the Northwest."

Overhauling the boilers and general repair work makes the plant a very busy place during the summer. "There's just as much, or more work here, now, as during winter when it's mostly just operation," says Orr.

A new boiler is being built under the direction of Joe Woodman, construction engineer. "Just like a big teakettle," says Woodman.

THESE "teakettles" are seven times more powerful than the older models which were in use from 1910 'til 1951. The new boiler will produce 75,000 pounds of steam an hour.

The new boiler will be completed by November, and will make it possible to heat the Mayo Memorial building without putting a strain on present equipment.

Calling All Males

All University men are invited to the "Beach Ball," a free dance and mixer tomorrow at Powell Hall, nurses dormitory. The soiree will be held in the Powell recreation room, from 8 p.m. 'til midnight. Free refreshments will be served.

State Dentists Meet

State dentists will attend a summer short course from July 8 to 31 at the Center for Continuation Study. The short course will cover three subjects: dentistry for children, endodontia, and crown and bridge work.

Crops Day Set At Rosemount Tomorrow

Guided tours of experimental soils-grassland and agronomy projects are slated for Crops day at the University's Rosemount Agricultural Experiment station all day tomorrow.

Visitors will see strip cropping, grassed waterways, and windbreaks. They may compare fertilized versus unfertilized pastures and plots showing effect of crop rotation, erosion control, tile drainage and fertilizer treatments. The projects are under the guidance of Paul Burson, professor of soils.

A tour of the agronomy farm under the direction of R. S. Dunham, professor of agronomy, will show grain variety trials, crop sequence and weed control studies and the station's forest breeding program.

What's Doing

Today

Minnesota Christian Fellowship prayer groups—7:25 a.m.—107 Folwell and 130 Ford. 9:25 a.m.—105 Johnston.

Tomorrow

Minnesota Christian Fellowship prayer groups — 7:25 a.m. — 107 Folwell and 130 Ford. Noon—114 Johnston.

Thursday

Minnesota Christian Fellowship prayer groups — 7:25 a.m. — 107 Folwell and 130 Johnston. Chapel hour — noon — 343 Union. Topic: "Christ and Money."

YMCA-YWCA Opera—8 p.m.—Lake Harriet. Admission $.75. Transportation from 1425 University ave. S.E. at 7 p.m.

Campus Classes Cramped?

U Forestry Station Offers 5,000 Acre Classroom

Students at a large university such as Minnesota often complain about large classes and classrooms.

We don't get enough individual instruction, is a common gripe. Big classrooms have turned the University into an education factory, students often say.

HOWEVER, the University's forestry and biological station at Itasca state park probably would alter these student's opinions on the desirability of large classrooms.

This station, some 200 miles north of the Twin Cities, has the University's largest classroom, and there's plenty of individual instruction available to students.

It's an unusual classroom without doors or windows, without blackboards or chairs, without heat or janitor service.

INSTEAD, students may roam through 32,000 acres of virgin forest and lakes covering 5,000 acres in which to study all phases of biology.

This expanse will be the classroom for summer session students and teachers of biology from July 20 to August 22.

Comfortable, modern cabins house students and faculty. Well-lighted and well-equipped laboratories make it possible for students to study their various field collections.

Besides the forest, lakes and laboratories, students also have access to equipment necessary for adequate instruction and research. This includes microscopes, binoculars, collecting equipment, various types of nets, row boats and launches, and minor accessories.

IN ADDITION, a herbarium of the region and collections of insects, fungi, bird skins and small mammals are available for study.

Courses of study are open to both graduate and undergraduate students. Twenty-four courses in the fields of botany, entomology and economic zoology, plant pathology and zoology have been set up for the summer session.

Other courses and special research problems may be arranged to suit individual needs.

Forestry classes began using the Itasca park area for field courses in 1907. A separate summer school was established in 1908, but it wasn't until 1935 that biology courses were begun.

THE FORESTRY and biological station today can accomodate 56 men and 42 women. The nine instructors there make the instructor-student ratio about one to 11.

Two subjects are considered a normal load. Advanced students may take an additional one or two credits in a well-delimited research problem.

While the amount of work to be done often necessitates work in the laboratories during the evening, students with the busiest schedules still take time out for recreation.

The station's director, Prof. Thorvald Schantz-Hansen, says: "Whether a student contemplates teaching biology, doing biological research, working with 4-H groups or just desires a broadening educational experience, a session at Itasca can be a high point in his education."

Detailed information on the Itasca station may be obtained at the summer session office, 830 Johnston hall.

2 Get Fulbright Scholarships

Two more University faculty members — Dorothy E. Rundorff, instructor in romance languages, and William Van O'Connor, assistant professor of English — have been awarded Fulbright scholarships for the 1953-54 academic year.

MISS RUNDORFF will study Middle Eastern languages and Islamic philosophy at the University of the Punjab, Lahore, Pakistan.

She later plans to do research in the ancient Hispano-Arabic culture—a period between the eighth and thirteenth centuries when the Arabs occupied Spain.

O'CONNOR will spend the year teaching courses in twentieth century American literature at the University of Liege, Belgium.

Fulbright grants, made from funds derived from surplus property sales abroad, are administered through the state department.