

The Minnesota Daily

The World's Largest College Newspaper

Vol. XXXIX

The University of Minnesota, Friday, August 5, 1938

No. 161

PWA Grants U. \$292,000

Excursionists To Visit Phone Building Today

Art Institute, Baking Company Also on Weekend Tour List

Excursions to the new telephone building, the Minneapolis Institute of Arts and the Zinsmaster Baking company are scheduled for today, tomorrow and Monday.

Today, the excursion will tour the new telephone building at Fifth street and Third avenue south. Excursionists will go directly to the building and meet the group at 2 p.m. or meet at the Seventeenth avenue entrance to the Administration building at 1:30 p.m.

Will Watch Teletype

Interesting things to be seen on the excursion are the exchanges, the plan of long distance communication, the radio circuit, interceptors and the teletype.

The Minneapolis Institute of Arts, one of the outstanding cultural centers in the city of Minneapolis, will be visited on the sixth excursion of the summer series at 10:45 a.m. tomorrow. The Queen Anne room, French rooms, Gothic rooms and the galleries of sculptors' and old masters' works are listed as points of particular interest. A Mexican water color exhibit, imperial jades, landscape in graphic arts, Swedish wall decoration, Persian pottery and Chinese jades and porcelain are also of interest.

Students without transportation should meet at the Seventeenth avenue entrance of the Administration building at 1 a.m. Those driving will meet in front of the institute, 201 East 24th street, at 10:45 a.m.

60-Foot Oven Displayed

The excursion Monday is a trip through the Zinsmaster Baking company, one of the largest of its kind in the Northwest. Guides will take the party through the plant and explain the complete process of bread mixing, baking, cutting, wrapping, etc. One of the special features is a baking oven over 60 feet in length.

The group will leave the Administration building at 7:30 p.m. and go to the bakery by street car. Those driving may meet at the bakery at 2900 Park avenue, Minneapolis.

German Economic Conditions Better But at a High Price, Gelbert Says

Ousted Wisconsin Art Instructor May Teach Here

President Lotus D. Coffman recently approved appointment of Dr. Laurence Schmeckebier, whose dismissal last year from the University of Wisconsin prompted campus controversy, to the University faculty, the office of the president revealed late yesterday.

The board of regents has not yet confirmed the appointment.

In addition Dr. Eric Kent Clarke, director of psychiatry at the University of Rochester medical school may become head of a new child psychiatry department at the University. Although approved by the president, both recommendations await confirmation by the board of regents.

Dr. Schmeckebier, who is now a visiting instructor at Columbia university, New York City, is being recommended as assistant professor in the fine arts department here.

Last fall, when ordering Dr. Schmeckebier dropped from the Wisconsin faculty, professor Oskar Hagan, head of the art-history departments, charged the instructor with lack of sufficient research and inadequacy as a teacher.

Students, art groups and faculty associates in Madison promptly started a campaign in Schmeckebier's behalf and obtained a one year postponement of his dismissal, permitting him to continue at Wisconsin for the fall term. He has been on the faculty there since 1931.

As head of the new child psychiatry department, Dr. Clarke would become a full professor there, according to the announcement. He would leave his Rochester post sometime next month, and would be associated with Dr. Reynold Jensen, formerly of the University medical school.

Dr. Clarke stated that the University child psychiatry department would be one of the few in the country operated in connection with a hospital. Dr. Clarke is president of the Monroe County (New York) Mental Hygiene club.

People Paid Well For Hitler Regime; Speaks Two Hours

"Economic conditions in Germany have become better from day to day under Hitler—but the price the people have had to pay has never before in history been so great." With those words, Dr. John Gelbert characterized the Hitler regime in his convocation address yesterday.

Speaking before a large audience, Dr. Gelbert, world traveler, author and foreign correspondent, described conditions as he himself has seen them. The speaker, who is now a naturalized American citizen, has recently returned to his adopted country from the country of his birth where he was called to attempt to rescue a close

(Continued on page 2.)

Registration Total 40% Over Forecast

Registration for second summer session this year far exceeded advance expectations, according to totals released yesterday by the registrar's office.

As enrollment got under way last Monday, Thomas A. Teeter, summer session director, indicated that registration probably would hover close to the 1,700 mark. However an actual total of 2,764 students has been recorded to date—about 40 per cent above expectations.

This year's registration figure of 2,764 is nearly 14 per cent higher than the 1937 second summer session total of 2,382 students with summer students enrolled "off-campus" at University branch

| College | 1938 | 1937 |
|-------------------------|--------------|--------------|
| General college | 2 | 2 |
| University college | 2 | 5 |
| SLA | 367 | 318 |
| Technology | 127 | 97 |
| Ag. Forestry & Home Ec. | 22 | 37 |
| Law School | 1 | 0 |
| Medical school | 59 | 250 |
| Medical technology | 14 | 13 |
| Public Health Nursing | 38 | 0 |
| School of Nursing | 416 | 327 |
| School of Dentistry | 41 | 56 |
| Dental Hygienists | 1 | 1 |
| Pharmacy | 22 | 23 |
| Education | 422 | 350 |
| Business administration | 81 | 65 |
| Graduate School | 949 | 838 |
| TOTAL | 2,764 | 2,382 |

schols, agricultural experimental stations, University high, etc., included, the 1938 grand total is 4,411 registrants; compared to 4,209 a year ago.

Of this year's grand total, 2,223 women are registered, compared to 2,188 men; 1937 second session, 2,120 women and 2,089 men. On the University's main campus there are at present 1,583 men students, and 1,181 women. Last year's figures were 1,361 men and 1,021 women.

Graduate school leads again second summer session with 949 registrants, with the college of education in second place with 422.

Pollard to Advance American Policy Toward Far East

Robert T. Pollard, head of the department of Oriental studies at the University of Washington, will give an "American Policy for the Orient" in an open lecture at 3 p.m. today in the Music auditorium.

Professor Pollard is stopping in Minneapolis on his way from Ohio, where he taught during the first session of summer school at Ohio State university, to Washington.

He received his doctor's degree at Minnesota and before going to the University of Washington he taught at St. John's university, Shanghai. He is the author of "Foreign Relations of China."

Professor Harold S. Quigley of the department of political science and an authority on far eastern relations, yesterday recommended Professor Pollard and said that his talk would be "a scholarly discussion from a personally attractive speaker."

The lecture will be broadcast over WLB.

WSGA Bookstore Will Close Today

The WSGA bookstore in the basement of Folwell hall will be closed until August 25 after today, store officials announced yesterday.

The store will be open from 9:45 a.m. to 12:45 p.m. today. It will not open again until August 25 and 26 when summer students will be able to turn in their books. The hours on those days are from 9 a.m. to 1 p.m.

The store will open again for fall quarter on September 19, the first day of Freshman week.

Helen Acker to Review 'The Yearling' Thursday

Helen Acker will give another of her series of reviews on current literature at 3 p.m. Thursday in the Music auditorium. She will review "The Yearling" by Marjorie Rawlings.

Music Dominates Recreation Program for Third Week

By Harold Pepinsky
Daily Music Commentator

The third week of the second summer session is already on its way bringing with it a flood of musical activities. "Pop" concerts, radio broadcasts, a lecture and a recital combine to make this third week particularly attractive to summer students.

We must go off the campus for our first event of the week, to the St. Paul auditorium where beautiful music lends enchantment to a winter scene. Here for three nights each week—on Tuesday, Thursday and Friday—a series of

Federal Funds Aid Financing Of 2 Buildings

45 Per Cent of Cost Given for Women's, Faculty Dormitories

See picture and description of new women's dormitory on page three.

An informal announcement that applications for federal grants totaling \$292,000 for the construction of two new dormitories have been accepted was made yesterday by W. T. Middlebrook, University comptroller.

Formal notice and acceptance of the PWA grants will probably be made at the next Board of Regents meeting.

The new buildings for which the grants are to be received are the proposed women's dormitory, which will be located at the east end of the Washington avenue bridge and the East River road, and a dormitory or apartment building for graduate students and married instructors, which will house about 40 families and will be located near the Ag campus.

45% of Cost Covered

The grant of \$225,000 for the women's building will cover 45% of the cost of the building. The remainder will be financed through the service enterprises fund and through the issue of certificates indebtedness. This means that \$275,000 will have to be raised by the University.

The grant of \$67,000 for the graduate and faculty building covers the same proportion of the cost of that building, leaving approximately \$81,000.

In a series of editorials and articles during spring quarter this year, the Daily publicized the findings of a comprehensive and careful survey of housing conditions on the campus.

The general conclusion of this housing committee was that there were "a considerable number of students, especially men, in private rooms which are unsafe, unsanitary and generally unfit for occupancy."

Construction Plans Indefinite

As a result of these findings, the Daily advocated:

1. A new girls dormitory and transformation of Sanford Hall into a low rental co-operative unit.

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Atom Smashing Research Like Study of Astronomy

The Rockefeller foundation granted Dr. John T. Tate \$35,000 for biophysical research. Work is now being completed on a 4 million volt "atom smasher" and the following article is the fourth in a series of eight describing the subject of Dr. Tate's experiments.

Today man has pushed back the limits of his world until he finds himself standing in awe between the wonders of the infinite and the infinitesimal.

On one hand he explores a limitless Universe where distances are so great they must be measured in "light years"—the space covered by light in 1 year when travelling

at the rate of 186,000 miles per second—and where bodies millions of times as large as our earth exist.

Yet, on the other hand, he works with particles like the molecule, which is so small that a single glass of water contains 10,000,000,000,000,000,000,000 of them. But though the molecule is so small it is made up of atoms which are still smaller. And the particles of which the atom is made are so small that distances between them are comparable to those between the planets—if the particles were magnified so as to become barely visible they would have to be 6 feet from one another!

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World's Largest College Newspaper
Summer Session Issues

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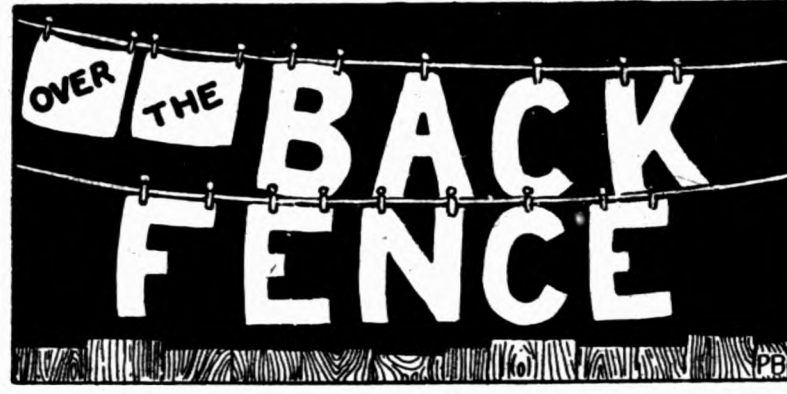
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The Daily welcomes all letters from contributors. Letters, however, must be limited to 200 words and the Daily reserves the right to shorten any letters exceeding this maximum. Signatures must accompany contributions but will be deleted on request.

'Sure' Signs Point To Prosperity

To the Editor:
Twenty economists out of 23 consulted in an Associated Press poll recently say that better business and improved economic conditions seem on the way for the remaining months of 1938.

Eleven believe "definitely yes" there will be recovery during the remainder of the year. Nine say probably yes. One says no. Two ain't-a-saying. When 2 economists get together and agree on anything it is an event of stupendous proportions, for economists like to disagree with themselves only slightly less than they like to fight with sociologists, political scientists, Townsendites and governmental financial advisers. And when 20 economists, normally ready to fight at the drop of a

department of commerce report, stick their collective necks out to the extent that they will predict better business, it is an event comparable to a solar eclipse in the astronomical world.

But there have been some sure signs recently that the economists may have been afraid to ignore. Just as the birds fly north at the beginning of spring, so at the beginning of the upswing of the economic cycle ocean fliers begin winging their way thither and yon in flocks.

It's one of those inexplicable natural phenomena. And it isn't only the fliers who feel the urge to pop across the nearest ocean. The public feels it too. And the result is huge newspaper headlines victory parades, ticker tape, presentation of keys to the city and everyone getting excited about Progress.

But there has been another omen. There is this Frenchman who tried swimming the 56-mile stretch from Santa Barbara island to the California mainland. Channel-swimmers are as sure a sign for national prosperity as horseshoes are for individual good luck.

Prognosticator.

Stomach Ache May Mean Appendicitis, Doctor Says

Editor's Note: This is another in a series of articles by campus physicians on a variety of illnesses common to college students. Dr. R. G. Hinckley, the author of today's article, has been a regular member of the Health Service staff since 1929. He is a graduate of the University of Wisconsin.

By R. G. Hinckley, M.D.

Everyone has experienced "stomach ache." It is such a frequent and common physical discomfort that we tend to ignore it. This prevalent tendency is extremely dangerous, for such stomach ache may be symptomatic of appendicitis. Figures quoted by the Metropolitan Life Insurance company reveal appendicitis taking American lives at the rate of one every 31 minutes throughout each 24 hours.

Appendicitis is frequently thought of in connection with surgery. This seems natural and right, for though it may in some cases be a relatively simple illness, it frequently necessitates surgical intervention.

Death Rate Increasing

Yet, despite advances in surgical knowledge and practice, the appendicitis death rate has been increasing. Practically all authorities agree that any improvement in this regard depends directly upon the realization of earlier diagnoses and competent early treatment. It would seem rational then to regard appendicitis in the light of preventive measures that are available and practical insofar as life and unnecessary suffering are concerned. For the individual the problem is reduced to the recognition of the need of sound medical judgment and realization of the dangers of self treatment.

"Stomach ache" or abdominal pain of any appreciable degree or duration should put us on guard, as persistent discomfort or pain either constant or intermittent, diffuse or localized, is one of the most constant symptoms of this disorder.

Other Symptoms

Other common symptoms that may or may not present themselves include nausea, vomiting, and pain and tenderness in the lower right side. One should immediately seek competent medical advice instead of merely expressing fear or waiting to see whether the discomfort will disappear. The use of any kind of laxative, where acute inflammation of the appendix exists, increases tremendously the hazard of complications and possibility of fatal outcome.

The importance of this cannot be too greatly stressed. A person with abdominal pain should refrain from all self medication and especially from the use of laxative or cathartics. The use of pain relieving drugs may mask the condition so as to mislead both the doctor and patient.

Appendicitis may or may not require surgery. Where surgery is deemed necessary, prompt application in competent hands benefits the individual in terms of time lost, suffering, and chances of life.

Improvement Possible

Improvement can be made, and lives saved. This was demonstrated by surveys one year apart, conducted in Philadelphia, before and after an intensive educational campaign in which emphasis was placed upon delay and the use of laxatives. For a large series of cases operated upon, the time elapsing between the onset and operation was reduced from 61.17 hours to 49.36 hours and the mortality was reduced from 5.97 per cent to 4.81 per cent.

The last survey showed that of those persons operated upon and not previously given a laxative one in 80 died. Where a single laxative had been used one in 14 died, and where multiple laxatives had been used one in seven died. Delay and laxatives are too greatly responsible for our high mortality rate in acute appendicitis, but they are factors within our control.

People Paid Well For Hitler Regime

(Continued from Page 1)

relative who had been imprisoned in a concentration camp.

"Why did the Germans fall for Hitler? Because misery and breadlines had created 59 separate political parties, no one of which could control the government. Hindenburg had no choice other than to call on Hitler.

'My Struggle' Replaces Bible
"Hitler's book 'My Struggle' has taken the place of the Bible even in the marriage ceremony in Germany today. He is above the clouds."

Dr. Gelbert described his last meeting with Hitler, whom he has known since 1907.

"I was allowed to enter through great double doors at one end of a large room. Hitler entered through double doors at the other end. He didn't say a word except to raise his hand in the Nazi salute. I said, 'Hello, Adolf.' At this he shouted, 'Heil Hitler' and turned and walked out. He calls himself 'Heil Hitler.' You folks know what the word 'crazy' means."

According to the lecturer, the German people are as a rule not made to do things for themselves. Centuries of regimentation has made mass suggestion inborn. This is one of the chief reasons Hitler has been able to assume the position he has in Germany today.

Dr. Gelbert described to his audience the beginnings of the National Socialist Party and the original sources of their funds. He told of Hitler's confinement, during which he was supposed to have written "My Struggle." The speaker expressed grave doubt that a man with Hitler's scanty education could really have written so well constructed and profound a volume.

Answers Questions

Following the convocation hour, Dr. Gelbert asked for questions from the audience and spent more than an hour answering queries put to him by various listeners. To his smaller audience which remained for the second hour, the speaker described in detail horrors of the concentration camps which he said he had purposely avoided during his regular lecture.

With regard to the German spy system, the lecturer told of having been shown to a hotel room which was recommended by the police. Upon investigation he found 16 microphones concealed about the room.

University of Minnesota OFFICIAL DAILY BULLETIN

Vol XXXIX Friday, August 5, 1938 No. 161

NOTICE TO CANDIDATES FOR DEGREES AT CLOSE OF SECOND SUMMER SESSION DURING 1938-39

All students who expect to complete the work for any degree at the close of the second summer session or during the year 1938-39 should call at the Information Window, Registrar's Office, Administration Building, and fill out a diploma slip not later than August 3rd. If a diploma slip has not already been filed, this applies to candidates for advanced and professional degrees as well as to those who expect to receive baccalaureate degrees. Candidates for degrees in the College of Agriculture, Forestry and Home Economics should call at the Registrar's Office, University Farm. In accordance with the action of the Administration Committee of the Senate, candidates will not be recommended to the Board of Regents until the graduation fee, large diploma fee, transfer fee, or any other University charges have been paid. To insure receiving degrees at the close of the second summer session, these charges should be paid on or before August 2nd.

NOTICE TO DEANS AND DEPARTMENT HEADS

From June 16 to September 15 the office hours will be from 8 a.m. to 4:30 p.m. with 1 hour for lunch. If possible it is suggested that the lunch hours of the various members of the office forces be so staggered as to make someone available at all times between 8 a.m. and 4:30 p.m. If the office must be closed for the lunch hours, this should be from noon to 1 p.m.

L. D. Coffman, Pres.

STUDENTS' HEALTH SERVICE

Dispensary open from 8:00 a.m. until 4:30 p.m. daily except Saturday. From Friday evening until Monday morning emergency care only may be obtained by application to the University Hospital Admission Department. Summer Session students desiring health examinations should make appointments as soon as possible at the Main Desk in the Health Service. These examinations are compulsory for graduating seniors in the College of Education who expect to receive a Teacher's Certificate. The Dental Department of the Students' Health Service is in operation during the Summer Session. Students desiring dental work done should make appointments promptly in Room 16, Health Service Building. Ruth E. Boyton, M. D. Director.

FRIDAY EVENING SOCIAL

There will be dancing from 8:30 to 11:30 p. m. in the ballroom of the Minnesota Union as well as card playing and ping-pong for those who wish to play. Admission is limited to members of the summer session and is free upon presentation of a receipted fee statement.

DEANS AND DEPARTMENT HEADS

All changes and adjustments in the Summer Session payroll and class schedules should be reported to the Summer Session Office immediately. Thomas A. H. Feeter, Director. The hours for the Arthur Upsom Room for the remainder of the second summer session will be: Monday-Friday 1 p.m.-5:45 p.m. F. K. Walter, University Librarian

Junior Engineers To Leave for Cass Lake Camp

Junior civil engineering students will leave August 10 for six weeks of study at their camp near Cass Lake.

The group is organized like a regular construction gang, getting up at 5:45 a.m. and going to their field of operation to work until 4 p.m. Each day a different man is in charge of and responsible for the work done. They work five and one-half days a week.

Work consists of plotting and surveying for railroads, drawing maps, diagrams and profiles and checking government monuments over a radius of 10 miles.

Camp instructors are Alvin S. Cutler, professor of railway engineering; Otto S. Zeller, associate professor of surveying; and Leonard F. Boon, assistant professor of civil engineering.

Student Will Lead Tour Through Mexico

Robert Slenes, Arts junior and second session student, will lead a private cooperative tour through Mexico beginning August 28. His party will return September 22.

Slenes spent the summer of 1936 living with a Mexican family in Mexico. Students interested in the trip should contact him through PO 12970.

Leone Nunan Will Read Crothers' 'Susan and God'

Leone Berge Nunan will give her second dramatic recital of the second session at 3 p.m. Tuesday in the Music auditorium when she reads Rachel Crothers' play, "Susan and God." The reading is open to the public.

Friday Evening Social Begins at 8:30 Tonight

The Union ballroom and game rooms will be open to summer session students from 8:30 to 11:30 p.m. today. There will be dancing in the ballroom and card playing and ping-pong in the game rooms.

Admission is limited to members of the summer session and is free upon presentation of a receipted fee statement.

On Other Campuses

VIRGINIA GUILFOIL
OF SYRACUSE UNIVERSITY, HAS GOLFED IN EVERY STATE OF THE UNION!
SHE HAS WON MANY CHAMPIONSHIPS AND IS CONSIDERED AMONG THE NATION'S BEST WOMEN STARS.

OMAR CROCKER
UNDEFEATED U. OF WISCONSIN 135 LB. BOXER. SCORED FOUR SUCCESSIVE K.O.'S IN LESS THAN A MINUTE!

Dinosaur? No, But It's Just as Old

Students walking from the Union to the Administration building would be surprised indeed if they should see a dinosaur sitting beside the sidewalk. But equally as extinct as the dinosaur is a tree known as the ginkgo tree, which grew on the left hand side of the walk behind Pillsbury.

The ginkgo is also called the maidenhair tree because its leaves resemble maidenhair fern. It is a member of the gymnosperms, the most primitive of seed plants, and is a relic of the Age of Reptiles, 150,000,000 years ago.

The leaves of the tree in its early stages were wedge-shaped, but during its hundreds of thousands of years of the tree's evolution, the leaves have become two-lobed and kidney-shaped.

The ginkgo tree behind Pillsbury in all probability was imported from China.

Musical Activities Of Third Week

(Continued from Page 1)

Monday is a big day for music on the campus. At 2 p.m. Abe Pepinsky, associate professor of music, will lecture on "The psychology of Music" in 150 physics. Then at 3 p.m. he will direct the University collegium musicum in presenting special instruments of the orchestra in solos with the accompaniment of the ensemble. The concert will be given in the music auditorium. Both of these programs in addition to being open to the public are also to be broadcast over the University radio station WLB.

Another combined concert-broadcast brings us the Minnesota symphony under Bernard Anderson in Northrop auditorium at 6:15 p.m. Monday. The program is made up of Purcell's Fantasy No. 12 for strings, Bizet's "Patre" Overture, the "Polovetzsky Dances" from Borodin's Opera "Prince Igor," "Negro Parade" by Stringfield, "Humoresque" by Broekhoven and Deems Taylor's ballet music from "Casanova." The doors will be open at 6 p.m. to accommodate the concert audience and the broadcast itself will begin at 6:15.

On Wednesday Earl Ryemers, pianist will give a recital in the Music auditorium at 3 p.m. This is the third in a series of Wednesday afternoon recitals, open to the public and broadcast over WLB.

Every day next week from 12 noon to 1 p.m. the Union music hours will be presented in the Foyer of the Union. These programs are directed by Thomas Hanscome, graduate assistant in physics. Monday's program is especially worthwhile consisting of Bach's Italian concerto for harpsichord and Beethoven's "Kreutzer" sonata, the latter a duet featuring the world-famous violinist, Jehudi Menuhin, accompanied on the piano by sister Hepsibah.

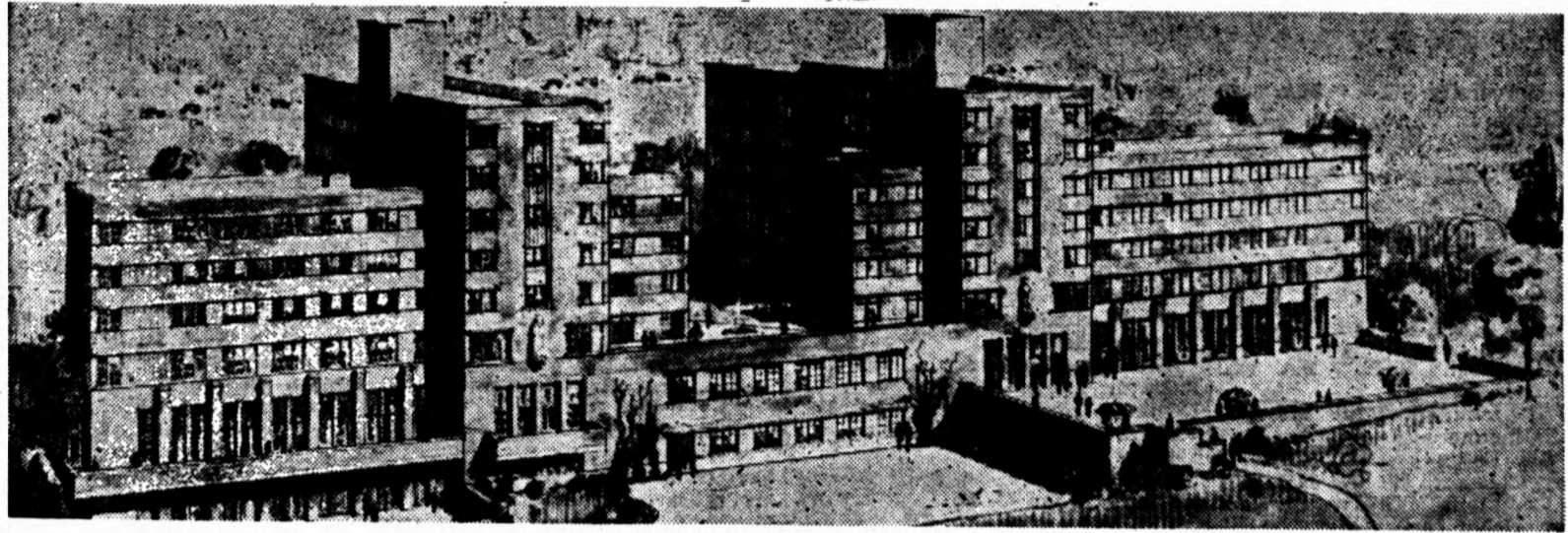
Thursday the Minnesota symphony will again appear in concert in Northrop auditorium at 8 p.m.

Requests Feature Union Music Hour

An all-request program again heads the bill in today's Union music hour presented in the foyer of the Union from 12 noon to 1 p.m. The program is as follows:

"Intermezzo" from Cavaleria Rusticana by Mascagni; "M'appari" from "Martha" by Flotow; "Caprice Viennois" by Kreisler; Hungarian Dance No. 7 by Brahms; Variations on "Carmen" theme by Bizet-Horowitz; "Rhapsody in Blue" and "Summertime" by Ger-shwin; "Afternoon of a Faun" and "Clouds" by Debussy; "On the Trail" by Grofe; Olympius Area by Offenbach; "Estrellita" by Ponce; "Kaminioi Ostrow" by Rubinstein; "Bacchenal" by St. Saens and Rag-time for 11 instruments

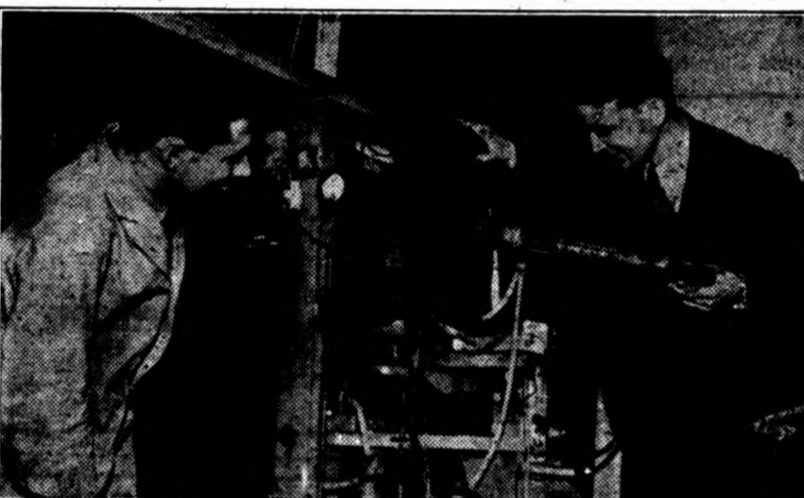
New Women's Dormitory to House 282 Students



Based on the perspective this new women's dormitory will cost an estimated \$500,000 and will care for 282 women students. The low center section will be the kitchen and service quarters with dining, living and recreation rooms in each of the two wings. There will be a ballroom in the left, or B wing.

The building, of red brick and limestone to harmonize with other campus buildings, will be located, along with the proposed new Union, off Washington avenue south between the bridge and the biology buildings. WPA was asked to finance 45 percent of the cost.—(Drawing by C. H. Johnston, St. Paul architect.)

Atom Smashing Made Simple



Down this tube race electric bullets to smash atoms. In the background is the aluminum, trailer-shaped magazine in which the charge is generated.

For more than a year John H. Williams, associate professor of physics (on the right), and his research assistant James S. Allen have been "smashing atoms" with this apparatus in the basement of the Physics building. Although in this picture it is disconnected, the metal box on which Professor Williams rests detects "smashed atoms."

(Continued from Page 1)

Parallels Astronomy

It is to this latter field, to the makeup of the atom, that University scientists will devote the next 2 years under a grant of \$36,000 from the Rockefeller foundation.

"The more things are different, the more they remain the same," said someone once. And though the worlds of astronomers, who deal in light years, and atomic explorers, who deal with molecules and atoms, seem extremely remote, there are striking parallels between the two.

There is a fascinating similarity to the layman, for instance, between the atomic "sun" or nucleus and its encircling electrons.

Too, the space between the nucleus of the atom and its planetary electrons is comparable to that between our sun and its planets. Most familiar objects, in fact, are just space. The human body, we are told, would be not so large as a flea, if all the particles of which it is made were lumped together, although it would weigh the same.

Particles Hit

Even though all these infinitely small particles are in constant motion, hitting one another and "kicking" each other in place, everything seems safely solid.

Again we are told that all energy on the earth—without which life could not exist—comes from the sun. And here is another striking parallel between the work of the astronomer and the atomic explorer—for many scientists hold that the tremendous energy of the sun is obtained from "atom smashing." The same type of atom smashing, but on a staggering scale, which is done at the University whenever scientists here penetrate the nucleus of the atom.

A fourth similarity is in the numbers that both astronomers and atomic researchers deal in are alike of staggering, "astronomical" proportions.

For instance, astronomers tell us that the volume of the average star is one million times that of the earth; some are one million million times as large. And the average distance between stars is from 8 to 10 light years.

On the other hand, the nucleus being bombarded at the University

is one millionth of a centimeter in diameter — and a centimeter is about the equivalent of one-third inch. It would take 2,000 protons placed side by side to stretch across an electron; 30,000 electrons side by side to stretch across a hydrogen atom; and 100,000,000 hydrogen atoms to stretch one-third of an inch!

Atom Unseen

Yet no one has ever seen an atom, and it is extremely unlikely that anyone ever will.

This in spite of the fact that scientists can determine—approximately—the number of atoms in a human body; a number which is close to 10,000,000,000,000,000,000,000,000.

And what is more important, scientists can agree on these numbers. More important, because scientists are notably suspicious, and in science men who advance new theories or make positive statements are presumed guilty until prove innocent. Second to making up a new theory, some synics say, a scientist has no greater pleasure than breaking up an old one.

Obviously no one has taken a yardstick and measured the atom or its constituent particles. Tomorrow we shall discuss how their size can be calculated with sufficient accuracy for scientists to agree on the figures obtained.

Students attending the University of Wisconsin now, have the opportunity of using 14 libraries, containing approximately 1,000,000 volumes, in their work of continuing their education, a survey of campus library facilities has revealed.

—CAN YOU DANCE—

If not let us teach you in 8 easy private lessons \$5.00. Beginners guaranteed to dance well in this course.

Helen's Dancing School
803 Henn. Ave. AT. 9376
Open 11 to 9 p.m.

All modern dance steps taught

PWA Grants U. \$292,000

(Continued from Page 1)

2. More frequent and more thorough inspection of housing facilities.

3. Construction of low cost rental dormitories to be run on the co-operative plan.

Actual construction of the buildings is not expected to be started for some time yet as the formal notification of the grants has not yet been received by the University and details of financing the University's share of the expense have not yet been decided upon by the Board of Regents.

No word concerning the PWA grant for a new Union has been received from Washington, D. C.

What's Doing

Today
1:30 p.m.—Excursion No. 5. Northwestern Bell Telephone Company.
3:00 p.m.—Lecture: "An American Policy for the Orient" by Robert T. Pollard, Department of Oriental Studies, University of Washington. Music Auditorium.
8:30 p.m.—Social Evening. Ballroom Minnesota Union.

Tomorrow
10:00 a.m.—Excursion No. 6. Minneapolis Institute of Arts.

Monday
2:00 p.m.—Lecture: "The Psychology of Music" by Abe Pepinsky. 150 Physics Building.
3:00 p.m.—Collegium Musicum: University Orchestra. Music Auditorium.
6:15 p.m.—Broadcast: Minnesota Symphony Orchestra (A Federal Music Project) Northrop Memorial Auditorium.
7:30 p.m.—Excursion No. 7. Zinsmaster Baking Company.



Today
7:30—Time Signals
8:00—Music
8:30—Time Signals
9:00—Music
10:30—Reva Harris—pianist
11:00—Lecture
11:30—Music
12:00—Music
12:30—Farm Program
1:00—Musical Varieties
1:15—TB Drama
1:30—Music
2:00—Hammerclavier Sonata
3:00—Lecture
4:00—Music
5:00—WLB Playhouse
5:45—Children's Program
6:00—Music
6:15—Dr. Francis Richter—organist
7:00—Music
7:15—Sign Off

Tomorrow
10:30—Haydn Quartet
11:00—Reading
11:30—Music
12:00—Music
12:30—Sign Off
1:30—Concert Hall
2:00—Wagner

1st Baptist Church 10th St. and Harmon Place DR. W. B. RILEY

9:45 a.m.—Bible Study
11:00 a.m.—The challenge of the Church.
7:00 p.m.—The chorus of callers.
5:30 p.m.—Christian Endeavor Group.
6:45 p.m.—Organ program—Vern Anderson, presenter and soloist for the day. Seats free—visitors and tourists welcome.

The Northwestern Bible Conference August 15-29—The Great Program

WLB Interview Series to Explain Compensation Acts

Explanation of unemployment compensation acts will be given in a series of six interview programs beginning at 7 p.m. today.

Phillip J. Schlessinger, supervisor of the WPA project in political science, Prof. Asher N. Christensen of the political science department and Sener are arranging the broadcasts. Emphasis will be on the state's unemployment compensation act.

The program will be from 7:00 to 7:15 p.m. Different phases will be discussed on August 12, 17, 19, 24 and 26.

2:30—Twilight of the Gods
3:00—Die Gotterdammerung
3:30—Wagner
4:00—Opera
4:30—Sign Off
Monday
7:30—Time Signals
8:00—Music
8:30—Time Signals
9:00—Music
10:30—Smetana Quartet
11:00—Lecture
12:00—Music
12:30—Farm Program
1:00—Daryl Gibson—Trumpet
1:15—TB Drama
1:30—Music
2:00—Lecture—Abe Pepinsky
3:00—Collegium Musicum
4:00—Bartok Quartet
5:00—Story
5:45—Children's Program
6:00—Sports
6:15—Minnesota Symphony
7:15—Sign Off

Want Ads

Effective October 28, 1937
1 time, 2 lines 15c
DAILY CLASSIFIED RATES
2 lines for 25c
3 times (consecutive), a line 10c
5 times (consecutive), a line .80
Minimum, 2 lines

All copy must be in the campus office of The Minnesota Daily by four o'clock of the day preceding publication. The Minnesota Daily will not be responsible for more than one incorrect insertion of an advertisement ordered for more than one time. Want ad office hours: 9 a.m. to 4 p.m. Monday through Friday.

RULES GOVERNING THE WANT AD SECTION OF THE MINNESOTA DAILY

1. Count five average words for the first line and six average words for each additional line. An average word constitutes six letters. Compound words two.
2. The Minnesota Daily reserves the right to refuse any copy which it considers objectionable and to change any copy to conform with the makeup rules of classified advertising.

Rooms For Rent—

LIGHT, cool, room. Single or double, reasonable. 410 Harvard St. S. E. GL. 5141.

Wanted—

TO Summer Students who have had direct selling experience and who wish to add to their income, we offer a guaranteed drawing account and commissions on orders. For interview, apply 707 Pence Bldg., Mpls.

TYPING

TYPING of all kinds. Prices reasonable. Edna. GL. 7270.

Miscellaneous

MEXICO CITY: priv. coop. tour end of sum. sess.; min. cost. PO. 12970. Bob Slenes, BR. 4310.

FOR SALE—

FORD Sport Coupe. 1931 Model A., new paint. A-1 condition. \$110.00. 4734 Bryant N. Hy. 2190.

Summer Session Directory

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 Davis, Lyle L. 1399 Raymond, St. Paul MI. 3806
 Davis, Etheline 500 Essex SE MA. 8177
 Daubney, John E. 909 Osceola, St. Paul DA. 9380
 Davis, Dale 2425 Elliot Ave. AT. 7993
 Dickerman, Elizabeth G. 1318 7th St. SE. GL. 1255
 Dickey, Rex. E. 1013 University S. E. MA. 5020
 Davis, Lyle L. 1399 Raymond St. Paul MI. 3806
 Davis, Etheline 500 SE. Essex MA. 8177
 Dawley, Charlotte W. 2183 Commonwealth Ave., St. Paul NE. 5801
 Dawley, Helen L. 511 Beacon St. SE. MA. 8177
 Dawning, Mary L. 518 12th Ave. SE. GL. 33876
 Dawson, Lawrence H. 1308 7th St. SE. GL. 2717
 Dawson, Lillian R. 809 Aldrich Ave. N. NE. 5801
 Dawley, Charlotte W. 2183 Commonwealth Av., St. Paul NE. 5801
 Dawley, Helen L. 511 Beacon St. SE. MA. 8177
 Dawning, Mary L. 518 12th Ave. SE. GL. 3786
 Dawson, Lawrence H. 1308 7th St. SE. GL. 2717
 Dawson, Lillian Rebecca 809 Aldrich Ave. N. Dean, Margaret Sanford Hall
 DeBolt, Eldred M. 600 University SE. AT. 7648
 DeJagar, Harold R. 937 17th Ave. SE. GL. 2880
 DeMattos, Virginia A. 5340 Irving Ave. S. WA. 2229
 Demmer, Hugh L. 1511 5th St. SE. MA. 8177
 Dennison, June E. 500 Essex SE. MA. 8177
 Dennis, Dorothy 4553 Columbus Ave. CO. 9123
 Deverell, Agnes M. 800 4th St. SE. AT. 2786
 DeVillers, Kenneth J. 2425 Elliot Ave. S. AT. 7993
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 Dennis, Dorothy 4553 Columbus Ave. CO. 9123
 Deverell, Agnes M. 800 4th St. SE. AT. 2786
 DeWitt, Dupont S. 5025 Dupont S. CO. 4888
 Dickhart, Ruby C. 601 Hyacinth, St. Paul TO. 0215
 Diedrich, Katherine A. 1109 SE 5th St. GL. 1339
 Diehl, Robert W. 761 E. 7th St., St. Paul TO. 8304
 Diggs, George M. 663 Aurora, St. Paul DA. 2501
 Dillan, Ellen I. 901 Summit, St. Paul KE. 3071
 Dinker, Rita O. 278 Dayton Ave., St. Paul EL. 1251
 Dinsmore, Albert H. 1309 7th St. SE. GL. 5223
 Dirksen, George H. 821 7th St. SE. GL. 2310
 Distad, Olga I. Sanford Hall 1
 Dixon, Frank J. Pioneer Hall MA. 8177
 Dolman, Paul 1433 W. 35th LO. 9397
 Domek, Roy J. 131 5th Ave. S., St. Paul LA. 6683
 Donoghue, Sabina B. 224 4th St. SE. GE. 1493
 Doolittle, Helen B. Route 10.
 Dorsey, Jeanette C. 809 Aldrich Ave. N. CH. 3098
 Dougherty, Eleanor M. 3340 Stevens CO. 4505
 Douglass, Jesse E. Pioneer Hall
 Dow, John 1458 Chelmsford St., St. Paul MI. 3648
 Drage, Louise 965 18th Ave. SE. GL. 2195
 Drake, Charles H. 312 Irving Ave. S. CO. 8937
 Dresser, Marquerite B. 505 15th Ave., Apt. 3
 Drezonovich, Anne M. 520 Beacon SE. EX. 398
 Druckrey, Marie D. 1704 Park Ave. AT. 8802
 Dueber, LeRoy R. 1709 Blair, St. Paul MI. 1031
 Dullea, Mary K. 312 18th Ave. SE. GL. 5896
 Duncan, Thomas L. 2168 Knapp St. St. Paul MI. 4289
 Dunn, Dorothy U. 1820 1st Ave. S., Apt. 106 AT. 7853
 Dunsford, John Q. 4850 S. Fremont Ave. LO. 4912
 Dworshak, Baldwin W. 629 2nd St. NE. GE. 1971
 Dyrstad, Erling H. 1509 5th St. SE

Dysterheft, Ida L. 318 Harvard St. SE. GL. 5211
 Eagan, Joanne U. 3419 Columbus Ave. CO. 6500
 Daston, Edward J. 1506 Sargent Ave., St. Paul EM. 1894
 Ebeling, Jane P. 2636 W. 44th St. WA. 1598
 Eberli, Alfred M. 2128 Knapp, St. Paul MI. 0705
 Ecklund, Hortense V. 711 Washington Ave. SE. GL. 3048
 Edlund, Elsie E. 2825 Girard Ave. S. RE. 7330
 Eckwall, Lylah A. 130 Delos St. E., St. Paul RI. 3362
 Edelman, Rosalie (St. Peter)
 Edquist, Hubert L. 1013 University Ave. SE
 Egan, Howard V. 1226 5th St. SE. GL. 9984
 Eichman, Edward 1429 Cleveland Ave. N., St. Paul
 Eliason, E. Bernie 3731 Oakland Ave. LO. 2954
 Elke, Estella L. 1308 7th St. SE. GL. 2717
 Ellingson, Louis M. 35 Clarence Ave. GE. 7271
 Elliot, Mary E. 727 15th Ave. SE. GL. 9855
 Elm, Dorothy H. MI. 0857
 Elmquist, Aldor 1756 Marshall, St. Paul MI. 8884

Farrington, Esther M. 1318 7th St. SE. GL. 1255
 Farry, Margella 1675 Sheffey St., St. Paul EM. 9118
 Fatherson, Ruth E. 1488 Goodrich Ave., St. Paul MI. 5278
 Fay, Lola A. 118 Western Av. St. Paul DA. 1487
 Feley, Anne C. 212 Walnut SE.
 Felkner, Roxanne R. 5124 Newton Ave. S. WA. 5330
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 Felton, Oren R. 315 Harvard St. SE.
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 Fermand, Jacques A. 724 9th Ave. SE. GE. 6583
 Ferrie, Dorothy I. 4148 12th Ave. S.
 Feunie, Thelma V. 388 Mt. Curve, St. Paul DE. 3294
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 Filip, Alexander J. 317 SE. Union St.
 Filippa, Ann 6915 Riverside
 Fincke, Dorothy M. Excelsior
 Fine, Gerald M. DE. 3050
 1884 Summit Ave., St. Paul

Florescu, W Ilie 611 SE Delaware GL. 3574
 Fluegel, Carlton P. 1051 12th Ave. SE. GL. 3723
 Flushman, David 759 Laurel Ave., St. Paul DA. 8649
 Flynn, Elizabeth A. (Elko)
 Flynn, Patrick T. 320 Walnut SE. GL. 7585
 Fogel, Walter F. 707 University Ave. SE. Apt. 206
 Fontaine, Kern B., Jr. 2611 W. 29th St. WA. 3660
 Footh, George M. 317 17th Ave. SE. GL. 2145
 Forberg, Lavena MI. 6401
 1720 Ashland Ave., St. Paul
 Forberg, Richard A. 4335 1st Ave. S. CO. 5236
 Fossum, Kyle GL. 5993
 1725 University Ave. SE
 Fraher, Mary R. Sanford Hall MA. 8177
 Fraley, Phyllis H. 3820 Columbus Ave. RE. 1027
 Frankenberg, Gypsy B. 2102 Carter Ave. NE. 3463
 Franzen, Stanley E. 3429 Columbus LO. 3991
 Fredeen, Clemens W. 1813 University Ave. SE. GL. 9998
 Frederick, Ronald D. (Rockford)
 Fredsall, Robert A. 3949 15th Ave. S. LO. 5158

Garden, Adeline L. 627 Ontario St. SE. GL. 3618
 Gardner, Hubert V. 1325 7th St. SE. GL. 7865
 Gardner, Lorraine F. 715 Douglas, Apt. 4 KE. 1719
 Garnatz, Keith A. 307 16th Ave. SE. GL. 7931
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 Gerritz, Harold G. 508 12th Ave. SE. GL. 3523
 Gewarth, Raymond J. 1140 4th St. SE. GL. 7096
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 Gislason, Victor T. 3800 11th Ave. S. CO. 9398
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 Endahl, Frances R. 727 5th Ave. S. AT. 8135
 Eng, Oscar 960 40th Ave. NE. GR. 9300
 Eoyang, Ping 1429 Cleveland Ave., St. Paul
 Erickson, Anna O. 311 11th Ave. SE. AT. 0207
 Erickson, Earl D. 815 Delaware SE.
 Erickson, Hjalmar J. 1813 University Ave.
 Erickson, Margaret 5132 Upton Ave. S. WA. 0713
 Erickson, Norvin E. 2103 Colfax S. AT. 5839
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 Eriksen, Edward G. Erlanson, Iasbel E. EM. 7914
 2149 Sanford Ave., St. Paul
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 Evans, James W. 722 15th Ave. SE. GL. 3321
 Evans, Louis B. 982 Goodrich, St. Paul EL. 4663
 Evans, Owen 324 Harvard E. GL. 7979
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Finger, Eben M. 29 Barton Ave. SE. GL. 7322
 Finke, Bernice D. 2911 Emerson Ave. N. HY. 2156
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 Finnerty, Michael E. 44 N. Prior Ave., St. Paul MI. 7409
 Fischer, Clifford G. 2437 31st Ave. S. KE.0963
 Fischer, Madeline A. 1110 12th Ave. SE.
 Fisher, Meda H. Sanford Hall MA. 8177
 Fisher, Ruth M. 3131 2nd Ave. S. LO. 1963
 Fitch, Lucile V. DA. 1250
 1129 Laurel Ave., St. Paul
 Fitzgerald, Gerald B. 1629 6th St. SE. No. 3 GL. 9880
 Fjeldstad, Laura A. Sanford Hall
 Fjerstad, Sidney M. 317 17th Ave. SE.
 Flagg, Raymond F. DR. 2555
 Flaherty, John H. CE. 2314
 792 Capitol Hts., St. Paul
 Flaig, Joseph I. 3652 36th Ave. S. DR. 1257
 Flaten, Theodore 406 11th Ave. SE. GL. 3004
 Fleming, Dorothy E. 1700 SE. 4th St. GL. 2448
 Fleming, Richard E. EM. 3669
 1732 Summit Ave., St. Paul
 Flemming, Catharine M. WA. 0338
 4869 E. Lake Harriet Blvd.
 Fletcher, Alfred L. YMCA, Room 730
 Fletcher, Robert W. 104 Bedford St. SE. GL. 2022
 Fletcher, Sara L. Wayzata EX. 396J
 Flippen, John T. 724 Fremont Ave. N.
 Flom, Lewis O. 4816 Bloomington Ave. S.
 Flom, Reynold P. 1009 Queen Ave. N. HY. 5910

Freeman, Joseph 1323 Oliver Ave. N. CH. 4767
 Frenz, Lydia O. 2211 Garfield Ave. S. KE. 4931
 Frey, Mabel
 Friberg, Margaret J. 410 Harvard St. SE. GL. 5141
 Friedell, Hymer L. 1709 Russell Ave. N. HY. 5773
 Fries, Howard H. EL. 3472
 1077 Capital Ave., St. Paul
 Fritz, Charles J. 317 6th Ave. SE. BR. 2410
 Fritzell, Marie C. Sanford Hall
 Froelich, Winfred M. 1112 8th St. SE. GL. 7729
 Froiland, Rudolf G. (Hutchinson)
 Frolik, Charles 1317 6th St. SE. GL. 3708
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 Fulton, Helen H. (Mrs.) 803 University Ave. S.E.
 Fulton, Portia E. 2539 Chicago Ave. MA. 1873
 Gabbert, Donald H. 3022 Irving N. CH. 9260
 Gage, M. Edna 1110 5th St. SE.
 Gagnon, Leonard A. Lexington Hotel
 Galeno, Lorenzo S. 66 Groveland Terrace KE. 7170
 Gallagher, John W. S. Jr. 1601 Univ. Ave. SE. GL. 2427
 Gallagher, Stephen V. 242 Gates Ave., St. Paul TO. 4101
 Galligan, Margaret M. D. Gallina, Alyce
 1072 Suburban, St. Paul TO. 6179
 Galuska, Joseph F. 435 Rice St., St. Paul
 Gamelin, Francis C. 733 Dwane, So. St. Paul LA. 7610
 Gandrud, Longworth A. 1902 Glenwood Ave. BR. 7119

Gardner, Hubert V. 1325 7th St. SE. GL. 7865
 Gardner, Lorraine F. 715 Douglas, Apt. 4 KE. 1719
 Garnatz, Keith A. 307 16th Ave. SE. GL. 7931
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 Greenwood, Harriet S. 1600 SE 4th GL. 5328
 Griebenow, Richard E. 3825 11th Ave. S. RE. 3395
 Griffin, Genevieve R. 759 SE Pierre, St. Paul GR. 3529
 Griffin, Margaret L. 179 Malcolm GL. 7050
 Griffith, Robert W. 211 Harvard E. GL. 7547
 Gronbeck, Oma M. 800 University SE. GE. 6439
 Gue, Irma 1700 4th St. SE. GL. 2448
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 Gustafson, Leslie J. 212 Walnut SE.
 Guthrie, Robert 3024 43rd Ave. S. DR. 4917

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