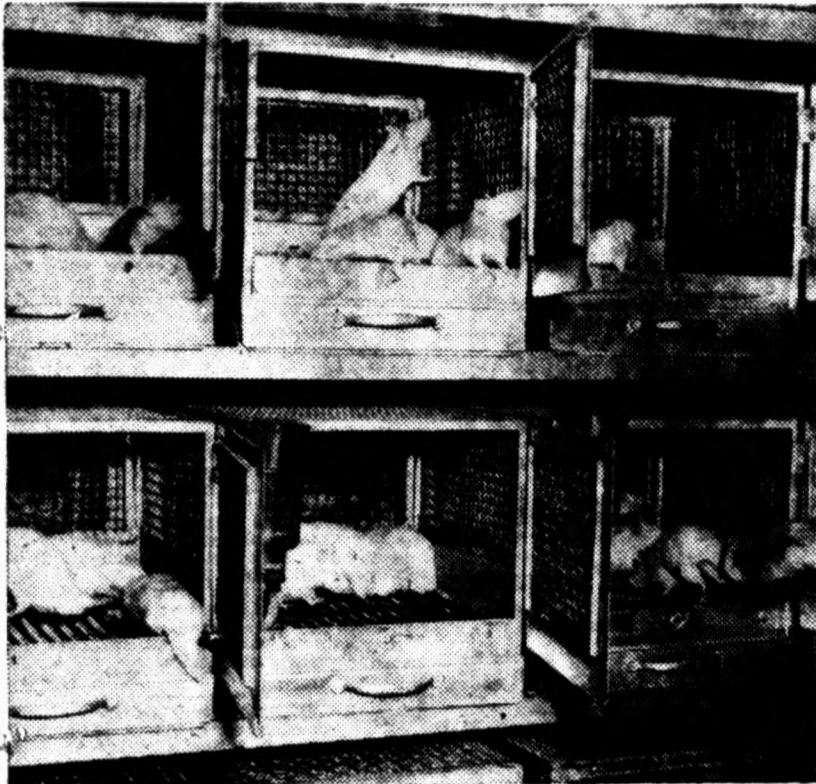


# Of Rats and Men



Rats—big, small, fat and thin—are the subjects of the above pictures, which show a cross-section of the psychology department's rat laboratory. Here more than 200 albino rats, all with carefully recorded pedigrees are housed and cared for. In an experiment now being conducted, rats are placed in revolving cages and their mileage is counted each day by means of small speedometers attached to each cage.

In the top picture some of the albino rats are shown spending the 60- to 70-day period preparatory to doing their "20-day spin" in the revolving cages. The ancestors of these rats shown here have all been spin champions, those having the highest mileage being selected for further breeding.

In the two lower pictures, the attendant, William Grimm, Education senior, is using some of the departments intricate testing equipment to measure various reactions of the rats in different experiments. (Another attendant, Robert Tone, Business junior, estimates he has fed the rats over two tons of mash in the two years he has worked in the rat laboratory.)

## Plants Go Outdoors

It's back to nature for the greenhouse plants. The plants spent the winter months behind glass panes in the botany greenhouse back of the new Union. Now they are going outside. Every day a few more plants leave the shelter of the greenhouse. This transplanting is called "plunging" by botanists. The plants will remain outside until fall, when they will again be taken to the greenhouse.

# The Minnesota Daily

Summer Session Edition

University of Minnesota, Minneapolis, Minn., Monday, July 8, 1940

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## Students Make Plans for Pioneer Hall Enlargement

### More Lounge, Study Room Is Sought

More room for fun and study may be in store for the men who live in Pioneer hall.

Plans for the enlargement of the hall have been submitted to C. C. Plank, director of the hall, by John Ruckavina, graduate, Edwin Lindsay, graduate, Russell Stotesbery, Arts freshman, and James Barnard, Business junior. The men represent the Pioneer executive council and the house counselors.

The east and west lounges of the hall would be joined by a structure built between them on the Harvard street side, according to the plans. This would make the lounges nearly twice as large as they are at present.

The enlargement of the lounges would automatically increase the size of the basement recreation room. The plans also call for enlargement of the music library.

No definite action has yet been taken.

## Excursion Today To Include Capitol

The State Capitol and the Minnesota Historical museum will be visited on today's excursion.

The tour will leave the Seventeenth avenue entrance of the Administration building at 1:15 p.m. and start from the guides' table in the Capitol at 2 p.m. No tickets are needed.

## India's Place In World Is Forum Topic

### Dr. Conger, Friend of Gandhi, Will Speak in Union Today

India's dynamic little man in a sheet, Mohandas K. (Mahatma) Gandhi, will occupy a major portion of the third summer session Forum address by George P. Conger, professor of philosophy, at 12:30 p.m. today in 211 Union.

Dr. Conger's topic will be "India's Significance in World Politics."

During his last sabbatical leave, Professor Conger established a personal friendship with Gandhi and spent several months studying his philosophy and his political ambitions.

## Lit Review Sales Open Wednesday

Winter and spring issues of the campus quarterly magazine, the Literary Review, will be on sale next Wednesday at a booth in the Postoffice. Copies will sell two for 5 cents, instead of at the regular price of 5 cents each.

Noteworthy in the winter issue of the Review is Vincent Shea's "The Gambler," a revelation of the "gambler personality."

"Albert" is a straightforward, unpretentious sketch by Tom Heggen of an idiot boy and his companionship with an understanding and sensitive schoolmate. Burton Pierce collects authentic atmosphere for stories on skiing by ski jumping himself. His "Keeper of the Slide" is about young skiers.

(Continued on Page 2)

Upon his return from India, Professor Conger contributed a chapter on India to John Gunther's book "Inside Asia."

In addition, the professor is noted for his writings in other fields.

Hugh Shafer, teaching assistant, will preside at the meeting.

## Professor to Talk On 'New Concepts Of Child Growth'

"New Concepts of Child Growth and Development" will be discussed by Dr. Daniel F. Prescott, professor of educational psychology at the University of Chicago, at 3 p.m. today in Burton auditorium. The lecture is open to all.

Dr. Prescott, under the teacher training project of the American Council on Education, is working on personality development in teacher education. He is assisted by Dr. C. Gilbert Wrenn, professor of educational psychology.

## Politics Will Be WLB Forum Topic

"National Politics" will be the subject for the WLB forum from 7 to 7:30 p.m. today. Asher N. Christensen and Evron M. Kirkpatrick, assistant professors of political science, will join Averill Berman, WLB news commentator, on the weekly current events program.

## Reviews Book Today

"In Place of Splendor," autobiography of Constanca de la Mora, has been chosen by Helen G. Acker for her second book review, at 3 p.m. today in the Museum auditorium. The talk will be broadcast by WLB.

## Rumbaugh to Spin Gyroscope Yarns

"Tops and Gyroscopes" will be the subject of a lecture by Lynn H. Rumbaugh, associate professor of physics, at 3 p.m. tomorrow in 150 Physics.

"Bellboy's terror" is one mechanism which will demonstrate the use of gyroscopes.

## No 'Supermen' Rats Are Too Cagey For Psychologists

By John Wilhelm

"You can't breed a race of super rats."

"And you can't breed a race of super-lazy rats either," said Robert Tone, Business junior, who for the past 2 years has had the job of feeding and otherwise caring for the 200-odd albino rats that the psychology department keeps on hand for various experiments.

The particular experiment to which Tone referred bears the title "spontaneous activity." In this experiment some 60 rats live for a period of 20 days in revolving cages similar to those in which squirrels are kept in zoos. Each day Tone checks a "speedometer" attached to the cage which records the exact number of revolutions the rat has spun the cage in the last 24 hours.

Some rats actually spin the cage 25,000 times in one day, which is equal to running 20 miles. That is as much as a soldier can march in the same period of time. Other less ambitious rats sometimes spin the cage just once, giving them a total mileage of only 3 feet for the day.

Each generation of rats gets 20 days of spinning in total darkness, having, however, adequate food and water during the period. Each day the attendant checks the mileage and those rats that have gone the farthest are bred and their descendants repeat the process.

While the layman would expect this long line of "spin champions" to breed a race of super rats, Tone said that the fastest rat of the thirtieth generation is no faster than was the fastest of the first generation. When the laziest are selected for breeding, succeeding generations are no more indolent.

Although the room containing the spinning cages is kept in total darkness at all times, the rats seem to do most of their running at night. Caretaker Tone did not explain how the rats distinguish night and day in a pitch black room.

"If you're not careful, they'll take an occasional nip out of your finger," said Tone, adding, "it merely hurts, there being little danger of infection as the rats have no disease."



# Third Summer Band Clinic Opens Today

## Prescott Heads 16-Man Faculty For First Week

### Thursday Evening Concerts Planned

The third annual summer high school band clinic will begin today on the campus and run until July 26.

It will serve as a working laboratory that will be an example of activities necessary for successful high school instrumental teaching. Music educators attending summer session will have an opportunity to observe all phases of the programs.

The band will be composed of junior and senior high school students, from Minnesota and neighboring states, who have been recommended by their music directors.

The staff will consist of 16 members who will give instruction and act as administrators of the clinic. Gerald R. Prescott, music instructor and director of University bands, will conduct the first week of instruction with Carleton Lee Stewart, Mason City, Iowa, and L. Bruce Jones, Little Rock, Ark., directing the second and third weeks, respectively.

The clinic will feature Thursday evening twilight concerts on the plaza of Burton hall, a faculty recital and a student solo and ensemble recital.

## Ford Will Head Delegation Visiting Penn Anniversary

Five faculty members headed by President Guy Stanton Ford, will take part in the two-hundredth anniversary exercises of the University of Pennsylvania next September.

President Ford will preside over a symposium on "Forced mass migrating."

Raphael Zon of the Lake States Forest Experiment station will be chairman of a symposium on conservation of renewable natural resources, in which Dr. William S. Cooper, professor of botany, will appear. Speakers in the medical sections will be Dr. Alfred W. Adson, Mayo Clinic brain surgeon, and Dr. Owan H. Wangenstein, head of the department of surgery.

### New Reader Service

A readers' advisory service for the convenience of students unfamiliar with the Library has been established for the first time this summer session.

A member of the library staff will be stationed at a desk near the head of the stairs on the second floor of the Library, prepared to answer questions and to expedite the finding of desired material.

## Survey Shows

# Education Is Largest State Expense

More than two-fifths of our total state and local revenues, or \$22.44 per capita, was spent on public education in 1937.

This constituted the largest payment for a single purpose by state, county and local governments in Minnesota, the Minnesota resources commission committee on governmental finance reported recently.

Total expenditures in 1937 by these units of government were \$228,521,917, or \$89.12 per capita, excluding payments for debt retirement. Highways with \$19.12 per capita and charities and hospitals with \$17.07 also took major slices of the taxpayer's dollar.

During the same period the State of Minnesota, counties and local units received \$235,

## It's Hectic!

# Newscast Staff Struggles with Time

A six-time-a-week battle with the clock—that's The Minnesota Daily Newscast.

More properly, The Daily Newscast is a student-edited 15-minute news broadcast. But for the three student editors, June Kilstofte, Gerry Doyle and Jack Cunningham, it's a race to see if the copy can be edited and arranged before the hands of the clock touch 12:15, the time when the Newscast goes on the air.

The race starts an hour and a quarter earlier, at 11 a.m., when one member of the student team delivers the copy to the radio office in the basement of Murphy hall.

The United Press dispatches, especially written for radio, are sorted into separate piles: foreign, Washington, national, local and "chuckles." Chuckles are brief humorous bits of news inserted between the more serious dispatches to lighten the Newscast.

Each editor takes charge of one or two of the departments. The news is read, classified as to time—the latest dispatches going first—and related items are put together.

After the preliminaries are over, each editor selects the items he intends to use and pastes each one on a sheet of paper.



A. J. Berman Reads The Daily Newscast

Then comes the important job of tying the news together, making each isolated dispatch fit in with the one before it and

the one after it, so that the whole broadcast flows smoothly without breaks or pauses.

If a news item is not self-explanatory, the editor is expected to write in "background." When the Russians took Bessarabia, the foreign editor added an explanatory note telling how Russia lost the rich province and why she wanted it back.

All this time the clock hands are moving and it is nearly broadcast time. The editor-in-chief (each editor takes this job in turn) must determine the order of the various departments, check the whole script for errors and get it upstairs to the broadcasting studio in Murphy hall.

Here WLB announcer A. J. Berman takes over, and at 12:15 p.m. the Newscast goes on the air.

It's not always this smooth, however. If the copy does not arrive on time, something that happens often enough to make life on the Newscast staff interesting, the broadcast has to be prepared in even more of a hurry. The editors say the record is now 20 minutes.

## Wayne University Man Teaches

B. L. Pickens, instructor from Wayne university, Detroit, Mich., is substituting for Parker Lesley and Laurence Schmeckebier, assistant professors of fine arts, during the first summer session. The department is offering: Renaissance painting and a general introductory survey course.

The survey course members study local examples of art in Minneapolis and St. Paul after a summary study of the modern art movements.

### New Series on WLB

A new series entitled "Over the Scientists' Shoulder," will be presented on the Wednesday morning University Farm hour on WLB.

# Workshop in Higher Education Given Here for the First Time

Nineteen people, representing 16 institutions and 14 states ranging from New York to Arizona and from Texas to Minnesota, are enrolled in the workshop in higher education, offered for the first time during this summer session.

Designed to enable a small number of college faculty members from other campuses to work intensively on problems of special concern to them and their institutions, the workshop is taken with or without credit.

Those enrolled in the course meet each morning for a class in "Higher Education in America" and then attend seminars. Enrollees take

only those courses which interest them.

Seminars offered include teacher education, under Wesley E. Peik, dean of the College of Education; personnel, under C. Gilbert Wrenn, professor of educational psychology; and curriculum, under Dr. Earl J. McGrath, specialist in higher education for the American Council on Education.

The workshop will end in an institute in higher education, July 22 to 25. Persons interested in higher education who have not been members of the workshop will also be invited to attend.

Dean Lamar Johnson of Stephens college, President Frank

McVay of the University of Kentucky and Dr. W. W. Charters of Ohio State University will speak at the institute. Four round table discussions will be held.

Dr. Wrenn and T. Raymond McConnell, professor of education and chairman of the University committee on educational research, are in charge of the workshop.

## WHAT'S DOING

### TODAY

- 1:15 p.m.—Excursion, State Capitol and Minnesota Historical museum.
- 2 p.m.—Lecture, "Tonal Aspects of Band and Orchestral Instruments and the Voice," by Abe Pepinsky, associate professor of music, 150 Physics.
- 3 p.m.—Book review, "In Place of Splendor," autobiography of Constancia de la Mora, by Helen G. Acker, Museum auditorium.
- 3 p.m.—Lecture, "New Concepts in Human Growth and Development," by Daniel Prescott, professor of education at the University of Chicago, Burton auditorium.
- 8 p.m.—Piano recital, Eunice Norton, Northrop auditorium.

### TOMORROW

- 3 p.m.—Lecture, "Tops and Gyroscopes," by Lynn H. Rumbaugh, associate professor of physics, 150 Physics.
- 8 p.m.—Movie, Annabella in "Citadel of Silence," with French dialog and English titles, Northrop auditorium.

# 'Education by Radio' Institute Will Be Held Here This Week

The latest information and research in radio education will be discussed during an Education by Radio institute Thursday and Friday in the Center for Continuation Study.

The University is one of a dozen places chosen for summer radio education institutes by the United States office of education. Doctors I. Keith Tyler and R. R. Lowdermilk will come here from Ohio State university to lead evaluations of school broadcasting.

Programs of the institute's events will be distributed at Thursday's sessions. Sessions will be held

at 9 a.m. and 1:30 p.m. both days. Anyone interested may attend.

Demonstrations of radio education will be made by using actual classes from Tuttle school and University high school. Talks and panel discussions will be held, with time set aside for questions. Transcriptions of radio programs from several networks and different parts of the country will be played.

Tracy F. Tyler, associate professor of Education, is in charge of the institute. Superintendents, principals, teachers, educational directors of Twin City radio stations and members of the University staff will take part.

The committee on governmental finance of the Minnesota Resources commission consists of:

William Anderson, professor and chairman of political science, chairman; R. G. Blakey, professor of business administration; Nathan Harris, utilities engineer, City of Minneapolis; Harold S. Langland, secretary-treasurer, Stanley Iron Works, Inc., Minneapolis; and C. C. Ludwig, executive secretary, League of Minnesota Municipalities.

Arthur Borak, associate professor of economics, acted as director of research for the committee. The WPA assisted in the study.



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### Tennis Tourney Shows Action; Openers Played

#### Ed Olson Reaches Golf Semi-finals

Tennis is showing the most action in the sports parade of summer tournaments.

Continuing the first round play-offs, some fast tennis has bounced off the rackets of the summer school net enthusiasts. In the openers played since Tuesday, John Vogt posted a victory over R. Feinberg; Jerry Brauer won from Harlan Fisher; R. A. Smith defeated Jon Trost; Theodore Caplow took Norman Loe; Art Salpacka ousted LaVern Johnson; Joe Jung beat Melvin Falkog; and Marcus Bruhn came through with a win over Frank Renstrom.

Ed Olson was the first golfer to cop a semi-final berth with his 5-4 victory over William Baker. To gain the quarter-finals, Olson had outpointed A. C. Sunde, 6-5, and Baker had dropped M. H. Schrupp by a similar margin.

In the horseshoe tourney, the only new development was the posting of Pete Kenny in the quarter-finals by virtue of a default by Walt Jergensen.

One match has finally been played in the slow starting men's double tennis tournament. In the small field of entrants the first round victory of Clarence Glasrud and Frank Davis over Bill Kueffner and Fred Walter entitles the winners to a quarter-final position.

From a large list of scheduled games in the women's tennis tournament, only four first round matches have been played. Patricia Nicholai won from Lillian Rithmueller, and Florence Ekberg emerged victorious from a contest with Irene Harshberger.

Previously, June Ellis and Verna Slater had chalked up opening wins.

#### Pepinsky Will Talk

"Tonal Aspects of Band and Orchestral Instruments and the Voice" will be discussed by Abe Pepinsky, associate professor of music, in a lecture at 2 p.m. today in the Music auditorium.

The third collegium musicum of the summer will be given at 3 p.m. today in 150 Physics under the direction of Professor Pepinsky.

### Pianist Norton . . .

## Sees Bright Future for U. S. Music

A few years ago, to show his appreciation of the music of Eunice Norton, Michael Bohnen, famous artist, made the bronze plaque of the internationally known pianist which is reproduced at the right.

Tonight at 8 p.m. Miss Norton will appear in a free recital sponsored by the summer session in Northrop auditorium.

A true American artist, Miss Norton looks forward to a bright future for American music.

"Freedom is essential for the composition of fine music," Miss Norton said yesterday. "Today many of the famous European musicians and composers are in America.

"Their presence here, coupled with the greater interest now shown in the classics, should lead to a great new future for American music.

"It's fundamental to want the best," she said. "No woman would wear paste pearls if she could have real pearls. Just so, I believe that people enjoy the great works of music more than they do cheap music.



"As to people who say they are bored with symphonies—well, they just haven't learned to listen the right way. The musician has

trained his ear to hear every little detail.

"For example, when I practice, I hear each note I'm playing. More than that, I play what I want to hear. So practicing becomes listening."

## Simon Cites Value Of Speech Research

The necessity of examining old teaching principles was emphasized by Dr. Clarence Simon, professor of speech at Northwestern university, in the last of his lectures Friday afternoon.

"Research is necessary, especially applied research," Dr. Simon said. "It is true that there are only a few schools where extensive laboratories are available. But every speech teacher can be a researcher in the applied field.

"Two paths can be followed: the teacher can search for new information, or he can re-examine concepts which are already accepted. The work depends on nothing but the curiosity and initiative of the teacher. The trouble is that too many teachers are putters in the field."

There has not been as much application of experimental phonetics in voice training as had been hoped for, Dr. Simon said. "But we've learned many things, nevertheless.

"We've learned that when we're dealing with a voice prob-

lem, we're dealing with a personality problem as well.

"And we've learned the difference between positive and negative teaching. But there is still much that we must learn—and the questioning attitude which asks 'Is this true?' is highly important."

## AFT Aim Stated By Kirkpatrick

### Says Democracy Of Authority Needed

Until authority in education is organized along more democratic lines, education will remain an entirely personal matter, subject to the whims and fancies of autocratic school boards, Evron M. Kirkpatrick, assistant professor of political science, told a luncheon meeting of the American Federation of Teachers last week.

"There is a real challenge to American teachers," Professor Kirkpatrick said. "They must attempt to teach democracy in a world from which democracy is quickly disappearing. At the same time, there is an attempt to dictate through pressure groups what the teacher shall teach in the classroom.

"The aim of the American Federation of Teachers," he concluded, "is to secure a more democratic organization of authority."

### Winonans to Lunch

President O. Myking Mehus of Winona State Teachers college will speak at a luncheon for alumnae of that school at 12:15 p.m. tomorrow in 202 Union. Luncheon is 45 cents. All those attending should put a note today in P.O. 3814.

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# LITERARY REVIEW ON SALE WEDNESDAY

The Literary Review is the campus literary magazine, published quarterly by the MINNESOTA DAILY, during the regular school year.

In order that summer session students may also see samples of contemporary college literary work a few remaining extra copies of the last two issues will go on sale Wednesday, at the Main Campus Postoffice. Regularly 5c the copy, the DAILY will sell the winter and spring numbers, both for 5c, while they last.

*The Minnesota Daily*

*The Minnesota Daily*  
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