

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 1, 1967

For further information, contact:
BETH KENT, 373-5166

KUOM TO FEATURE
ROCK MUSIC REVOLUTION
THIS SATURDAY

(FOR IMMEDIATE RELEASE)

An illustrated account of the evolution of rock music---from the rhythm-and-blues and country-western music of the early 50's to the new rock music of the present---will be broadcast over the University of Minnesota radio station KUOM (770) Saturday (Nov. 4), beginning at 2 p.m.

The program, "The Rock Revolution," will feature Barry Hansen, an authority on rock music, in conversation with KUOM Public Affairs Director Garrison Keillor. Excerpts will be played from songs by Ruth Brown, the Mello-Kings, Elvis Presley, Richie Valens, the Beatles, Donovan, Cream, the Mothers of Invention and others.

Hansen says that the rock audience has grown to include a great many people over 21. "They're the people who heard Presley's music when they were children," he explains.

"They've been living with rock all their lives. It's their native tongue. That's one of the reasons, I think, that rock is much better now. The people who are playing and listening to it have grown up in the world of rock. It's not a fad anymore; it's the musical language they know and speak best."

Hansen adds, "I believe there is as much musical sophistication, power and intelligence in rock music as in today's classical music or modern jazz. Albums now, in rock music, are increasingly being made to listen to all the way through. What you have more and more is a record being made as a finished work of art."

(MORE)

One such record is the Beatles' new album, "Sergeant Peppers Lonely Hearts Club Band." It will be broadcast, complete, over KUOM immediately following "The Rock Revolution."

Hansen, 26, graduated from University High School in 1959. He received a bachelor of arts degree from Reed College, Portland, Ore., in 1963 and a master of arts degree in music from UCLA this year. His master's thesis was entitled "Negro Popular Music: 1945-1953."

Hansen is a former editor of the folk music journal, "Little Sandy Review," and has written for "Downbeat," "Sing-Out," and "Record Research" magazines. He now works as archivist for UCLA's John Edwards Memorial Foundation, an organization which collects and studies commercial folk and country music recordings.

"The Rock Revolution" is a special feature of "The Saturday Show," heard each week over KUOM from 2 p.m. to sign-off. "The Saturday Show" is a departure from the station's usual format in that it includes more jazz, conversation, and "frivolity" than is normally broadcast over KUOM.

The station is an educational service of the University's General Extension Division.

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JUDY VICK, 373-2126

CELLIST TO PERFORM
WITH 'U' ORCHESTRA
IN NORTHROP CONCERT

(FOR IMMEDIATE RELEASE)

Joseph Schuster, one of the world's top-ranking cellists, will be the featured soloist when the University of Minnesota Symphony Orchestra presents its opening concert of the season Friday, Nov. 10, at 8:30 p.m. in Northrop auditorium.

Schuster entered the St. Petersburg (Russia) Conservatory of Music at the age of 10. He has been a solo cellist with the Berlin Philharmonic and the New York Philharmonic Orchestras. Schuster will soon make his sixth European tour. He will play a recital in Carnegie Hall in New York this season. He has performed under such celebrated conductors as Toscanini, Walter, Mitropoulos, Rodzinski, Furtwangler, Bernstein, Yochum and von Karoyan.

"Cello Concerto in D Major" by Haydn will be performed by Schuster and the University Orchestra.

A group of three solo works will be performed by Schuster. He will play Divertimento by Haydn-Piatigorsky, Fantasy Pieces, Opus 73 by Schumann and Introduction and Polonaise Brillante, Opus 3 by Chopin. He will be accompanied by Nancy Whipkey.

This will be Richard S. Fischer's debut as conductor of the University Symphony Orchestra. Fischer, 44, joined the University faculty in September as assistant professor of music and music education, conductor of the orchestra, coordinator and instructor of the chamber music program and teacher of string pedagogy.

(MORE)

Fischer received bachelor's (viola) and master's (theory) degrees from the Eastman School of Music in Rochester, N. Y. He received his doctor of musical arts degree in violin performance from the University of Arizona. For 11 years Fischer played professionally with the Rochester, N. Y., Philharmonic, the Pittsburgh Orchestra, the National (Washington, D. C.) Orchestra and the Grant Park Symphony Orchestras. He has taught at Hastings College, Nebraska, Eastern New Mexico University and Moorhead State College. At the latter two schools he originated the orchestral program.

The following program will be performed by the University Orchestra,
Nov. 10:

- Overture to Rienzi.....Wagner
- A Walk to the Paradise Garden
from "A Village Romeo and Juliet".....Delius-Beecham
- Cello Concerto in D Major.....Haydn
- Capriccio Espagnole.....Rimsky-Korsakov

The concert is sponsored by the departments of music and of concerts and lectures. It is open free to the public.

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For further information, contact:
GLENN ICKLER, 373-2126

BRECKENRIDGE'S ARCTIC FILMS
TO OPEN BELL MUSEUM
SUNDAY PROGRAM SERIES

(FOR IMMEDIATE RELEASE)

"The Far Far North," films of the Arctic by Professor Walter J. Breckenridge, director of the James Ford Bell Museum of Natural History, will open the museum's 1967-68 schedule of free Sunday programs.

The films will be shown at 3 p.m. Sunday (Nov. 5) in the museum auditorium on the University of Minnesota's Minneapolis campus.

Breckenridge will show films from several trips to the Arctic regions. He will discuss Arctic living conditions and how plants, man and other animals adapt to them.

The remainder of the November schedule includes programs on Minnesota, Japan and East Africa.

On Nov. 12, J. W. Wilkie, president of Continental Machine Co., Savage, will show a color-sound movie of Minnesota wildlife. The film, "The Touch of Nature," is one of several nature movies Wilkie has produced.

"Aboriginal AINU People of Japan," a color movie expanding a recent story in "National Geographic" magazine, will be shown Nov. 19 by Sister M. Inez Hilger, research associate at the Smithsonian Institution. The program will be co-sponsored by the University's department of anthropology.

Zacariah Subarsky, associate professor in the Minnemath Center, will give an illustrated talk about his four years in Africa on Nov. 26. The program is entitled "Camera Adventures in East Africa."

There will be 22 Sunday programs this season, with the final program scheduled for April 14.

UNIVERSITY OF MINNESOTA
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For further information, contact:
ROBERT LEE, 373-5830

DRUG RESEARCHER
TO SPEAK AT U

(FOR IMMEDIATE RELEASE)

Barry M. Bloom, director of medicinal chemicals research for Charles Pfizer & Co., Inc., will present the first in a series of visiting lectures sponsored by the University of Minnesota's College of Pharmacy at 11 a.m. Monday (Nov. 6) in 125 Mayo auditorium.

Bloom, who received his Ph.D. in organic chemistry from Massachusetts Institute of Technology in 1951, recently developed a novel hypothesis on the molecular nature of adrenergic receptors.

A member of the American Chemical Society and of the editorial board of the Journal of Medicinal Chemistry, Bloom has published a number of technical papers and holds more than 30 U. S. patents concerning drugs.

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For further information, contact:
JUDY VICK, 373-2126

UNIVERSITY GALLERY
TO PRESENT
ALAN DAVIE OILS

(FOR IMMEDIATE RELEASE)

Alan Davie's wild interpretations in oil will be presented to the public Monday, Nov. 13, from 5 to 7 p.m. in the University Gallery.

"The exhibit is a treat -- bright candy of all flavors, yet rich in intellectual content," says Charles C. Savage III, director of the gallery.

"His paintings are an attack on the visual sensibilities and allow no intrusion. His titles seem to corroborate his fantasy obsession with love."

The showing, one of the largest ever presented by the University Gallery, will include 36 works---oil on canvas, oil on paper and watercolor.

Davie's works are ostensibly abstract expressionistic. Vividly colored symbols---ranging from numerals to household objects to ancient religious forms---are superimposed on rich, somber colors. The titled works include "Oh To Be a Serpent, That I May Love You Longer," "Reach for Joy," "Flyaway Slide," "Make Love to Me On the Blue's Edge," "I Love You In Pink," "Make a Fish," "Holyman's Game," and "Lustful Frog."

Davie was born in Scotland. He attended Edinburgh College of Art and taught art to young children before becoming, for a short time, a professional jazz musician. At one time he made his living by creating and selling gold and silver jewelry. He now lives in Hertfordshire and Cornwall and continues to be devoted to the sport of gliding.

Davie has had one-man shows in Edinburgh, Florence, Venice, London (Gimpel Fils), Paris, New York City (Martha Jackson), Zurich, Sao Paulo, Oslo, Bern, Baden-Baden and Amsterdam.

The Davie show will be open through Dec. 29 in the third floor galleries of Northrop auditorium, University of Minnesota, Minneapolis campus. Hours are 8 a.m. to 4 p.m. Monday through Friday and from 2 to 5 p.m. Sunday.

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GLENN ICKLER, 373-2126

HORMEL INSTITUTE
MARKS 25th ANNIVERSARY
AT WEDNESDAY LUNCHEON

(FOR IMMEDIATE RELEASE)

The Hormel Institute, Austin, will celebrate its 25th anniversary Wednesday (Nov. 8) with a noon luncheon in the Austin Country Club. The institute is a unit of the University of Minnesota Graduate School.

Malcolm Moos, University president, will be keynote speaker at the luncheon and Bryce Crawford, dean of the Graduate School, will be master of ceremonies. Open house for invited guests will be held from 10 to 11:30 a.m. and 2 to 4:30 p.m. that day.

Open house will be held for the public from 2 to 5 p.m. Sunday, Nov. 12.

The Hormel Institute was established Nov. 30, 1942, as a unit of the University Graduate School by an agreement between the Hormel Foundation and the University's Board of Regents. The purpose of the institute is to promote basic and applied research and education in various fields of biological and physical sciences.

The institute is among the world's leaders in the field of lipid (fat) research associated with the fields of medicine, agriculture, nutrition and industry.

Much of the original research on polyunsaturated fatty acids and their association with good nutrition, heart disease, blood coagulation problems and natural destruction of fat in foods and living tissue was done at the Hormel Institute.

The institute is a center for the manufacture of unusual and normal lipids, as well as radioactive lipids, and for characterization of these compounds by physicsl, chemical and biological means.

(MORE)

The insititute's Lipids Preparation laboratory supplies many of the world's research laboratories with high-purity lipid compounds.

Current research projects at the institute deal with the role of lipids in cancer, infectious diseases and immunity to disease.

An unusual program in progress for several years has been the genetic development of a miniature pig (minipig) for research purposes. The minipig has gained widespread recognition as an excellent animal to use in nutritional and medical research since it responds to many stimuli in the same way as man.

One of the institute's major functions is the predoctoral and post-doctoral training of young investigators. Students come to the Hormel Institute from all over the world.

Many of the senior staff members of the institute hold joint teaching and research appointments on the St. Paul and Minneapolis campuses and have cooperative research programs with members of the faculties of the University and the Mayo Graduate School of Medicine in Rochester. There are 22 persons on the academic staff and the rest of the staff consists of 77 civil service personnel.

The institute is under the general supervision of a board of directors and is supported by funds from the Hormel Foundation and other private and federal governmental sources.

The first director of the institute was H. O. Halvorson, who served until 1949 when he was succeeded by the present director, W. O. Lundberg, a professor of biochemistry.

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For further information, contact:
ROBERT LEE, 373-5830

PARKING SPACES
RESERVED FOR 'U'
HOSPITAL PATIENTS

(FOR IMMEDIATE RELEASE)

The top floor of the Mayo Memorial Building Garage will be reserved for out patients and patients being admitted to University of Minnesota Hospitals beginning Monday (Nov. 6).

Some 135 parking spaces will be available from 6:30 a.m. to 2:30 p.m. Monday through Friday.

University Hospitals patients will gain admission to the garage by showing the attendant an appointment slip. These slips will be mailed to patients and will be available at the Out Patient Information desk.

A Hospitals spokesman emphasized the parking spaces cannot be reserved and are available on a first-come, first-serve basis. However, overflow parking is available in the Union Parking Ramp.

Visitors to the Hospitals are encouraged to use the Union Ramp or park in the Mayo Garage after 2:30 p.m.

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3 IT ALUMNI WILL
RECEIVE OUTSTANDING
ACHIEVEMENT AWARD

For further information, contact:
JEFF B. CARRUTHERS, 373-2126

(FOR IMMEDIATE RELEASE)

Three graduates of the University of Minnesota will receive its Outstanding Achievement Award at the 29th annual meeting of the Institute of Technology Alumni Association.

Fred E. Lukermann, assistant vice president for academic administration, will make the presentations at the meeting, to be held on Friday, Nov. 17, at the Town and Country Club, St. Paul.

The three alumni to be honored, all of whom majored in chemistry at the University, are Virgil C. Boekelheide, head of the chemistry department at the University of Oregon; Carl S. Miller, research chemist for Graphic Systems, Minnesota Mining and Manufacturing Co. (3M), St. Paul; and Clarence L. Moyle, research scientist for Dow Chemical Co., Midland, Mich.

The Outstanding Achievement Award, given by the University's Board of Regents, is reserved for former students of the University who have attained high eminence and distinction in their field.

Professor Boekelheide, 48, received both a bachelor of arts and a doctor of philosophy degree (1939 and 1943) from the University. He was born in Chelsea, South Dakota. He was an Abbott Laboratories Fellow (1942-43) while working towards his Ph.D. Before joining the Oregon faculty, he taught at the University of Rochester from 1946 to 1955, and at the University of Illinois from 1943 to 1946.

Boekelheide is a member of the National Academy of Sciences, the American Chemical Society and the Swiss Chemical Society. He is interested in the structural determination and synthesis of natural products; the synthesis and the application of molecular orbital theory to unusual aromatic systems; and the synthesis and physiological activity of new heterocyclic systems. He has published more than a hundred articles to date.

(MORE)

Miller received his Ph.D. in 1940 from the University, after earning bachelor of science and master of science degrees from the University of Alberta. He is a naturalized American, born in 1912 at Edmonton, Alberta. He has been a research chemist at the 3M Co. Graphic Systems Laboratory since 1940. He invented the Thermofax process for 3M Co., based on his work and interest in thermography.

A member of the American Chemical Society, Miller has published a number of papers and obtained 13 patents.

Moyle, 58, received all three of his degrees from the University: bachelor and master of science, and doctor of philosophy in 1935. He is a native of Hibbing, Minn. In 1955, Moyle was the third man to be named a research scientist by the Dow Chemical Co., a recognition which has now been accorded to a total of only 11 men. While attending the University, he was an assistant in chemistry and a Shevlin Fellow.

With more than 90 patents to his credit, Moyle played an important part in developing a chemical agent which kills the larvae of sea lamprey and which has been effective in reducing the population of sea lamprey in Lake Superior and Lake Michigan. He is a member of the American Chemical Society and the New York Academy of Sciences.

UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

FULTON PARTICIPATES
IN 'U'-OSMANIA PROGRAM

Robert L. Fulton, University of Minnesota professor of sociology, is participating in the Minnesota-Osmania University Faculty Exchange program sponsored by the U. S. Department of State and administered by the Minnesota Office of International Programs.

Professor Fulton and his family will be in residence in Hyderabad, India, until July 31, 1968. He will lecture on urban problems and continue his research on cross-cultural analysis of attitudes toward death.

John Devaraj of Osmania University is currently spending a year at Minnesota, working toward a master's degree in history.

'U' FRAT MEMBER
WINS NATIONAL AWARD

Patrick R. Fallon, undergraduate president of the University of Minnesota chapter of Beta Theta Pi, national academic fraternity, is one of 35 nationwide winners of Beta Theta Pi Founders Fund scholarships for 1967-68. Fallon, of 3532 Bryant ave. S., Minneapolis, received the \$600 John Reilly Knox Memorial scholarship. He was the only Minnesota chapter member to receive a Beta Theta Pi scholarship this year.

W. C. ROGERS APPEARS
ON CONFERENCE PANEL

William C. Rogers, director of the University of Minnesota General Extension Division's World Affairs Center, was a featured panelist at the recent semi-annual conference for World Affairs Council Representatives, sponsored by the Foreign Policy Association in New York, N. Y.

Rogers and Carol Baumann, director of the University of Wisconsin's Institute of World Affairs, responded to a speech on "World Affairs Councils and Universities" delivered by John A. Brown, president of Lindenwood College, St. Louis, Mo.

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LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF NOV. 5-12

- Sun. -- Nov. 5 -- Bell Museum Sunday program: color film, "The Far Far North," narrated and photographed by Prof. Walter J. Breckenridge, museum director. 3 p.m., museum auditorium. Free.
- Sun. -- Nov. 5 -- Recital: pianist James Callahan; 8:30 p.m., Scott hall auditorium. Free.
- Sun. -- Nov. 5 -- University Gallery: three shows, "Recent Acquisitions through the Nordfeldt Fund," "Prints from the Mourlot Press" and "Pottery by John Swift;" through Nov. 9. Gallery open 2-5 p.m. Sundays, 8 a.m.-4 p.m. weekdays, third and fourth floors, Northrop auditorium. Free.
- Sun. -- Nov. 5 -- Lecture, "Civil Disobedience and Christian Responsibility," discussion led by The Reverend Art Whitaker, author and civil rights leader; 6:30 p.m., Baptist Student Fellowship, 1219 University ave. SE.
- Sun. -- Nov. 5 -- Musical comedy, "The Roar of the Greasepaint, the Smell of the Crowd," first production of UBOG Dance and Drama committee; Coffman Union Gopher Hole, 3 p.m. Sundays, Nov. 5 and 12; 8 p.m. Thursday, Friday and Saturday. Tickets at door.
- Mon. -- Nov. 6 -- Lecture: Barry M. Bloom, director, medicinal chemicals research, Charles Pfizer & Co., Inc., presents first in series of visiting lectures sponsored by College of Pharmacy; 11 a.m., 125 Mayo. Free.
- Tues. - Nov. 7 -- "Exploration in Jazz" series: today's lecture-demonstration, "A Choice of Great Tunes by Gershwin, Porter and Rodgers;" 1:15 p.m. Coffman Union main ballroom. Tickets.
- Tues. - Nov. 7 -- University Theatre: "Tiny Alice;" matinees, 3:30 p.m., Tuesday and Sunday; 8 p.m. performances Wednesday through Saturday, Scott hall auditorium. Tickets.
- Wed. -- Nov. 8 -- University Film Society's observance of 50th Anniversary of the Russian Revolution: Lecture on the films of Eisenstein by Prof. Herbert Marshall, Southern Illinois University, a member of the 1934 class taught by Eisenstein; 8 p.m. Bell museum auditorium.

(MORE)

CALENDAR

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- Thurs.- Nov. 9 -- Convocation: Dr. Fredrik A. Schiotz, president, American Lutheran Church, speaks on "Reformation---Event or Living Stream?" 3:15 p.m., Northrop auditorium. Free.
- Thurs.- Nov. 9 -- University Film Society's observance of 50th Anniversary of the Russian Revolution: Lecture, "Soviet Poetry," by Prof. Marshall, one of the foremost translators of Yevtushenko; 3:15 p.m., Bell museum auditorium.
- Fri. -- Nov.10 -- University Symphony concert: soloist, cellist Joseph Schuster; 8:30 p.m., Northrop auditorium. Free.
- Fri. -- Nov. 10 -- University Film Society's observance of the 50th Anniversary of the Russian Revolution: two films, "Chapayev" (1934) at 7:30 p.m. and "Alexander Nevsky" (1937) an Eisenstein film with musical score by Prokofiev, at 9:30 p.m. Bell museum auditorium. Tickets.
- Sat. -- Nov. 11 -- Arab-American club presents "Vacation in the Country," a musical comedy color-film of Arabic folklore (English subtitles); 8 p.m., Bell museum auditorium. Tickets at door.
- Sun. -- Nov. 12 -- University Marching Band's sixth annual indoor concert---replaying the music the band played on the football field during the 1967 season; 4 p.m., Northrop auditorium. Tickets from Band members, at Band office, at Artists Course office or at door.
- Sun. -- Nov. 12 -- University Theatre: Final performance, "Tiny Alice," 3:30 p.m., Scott hall auditorium. Tickets.
- Sun. -- Nov. 12 -- Bell Museum Sunday program: "The Touch of Nature," color-sound film of Minnesota wildlife by J. W. Wilkie, Savage, Minn. 3 p.m., Bell museum auditorium. Free.

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(A Joint Release by the University News Service and the Minnesota
Lions Eye Bank)

MINNESOTA LIONS RAISING FUNDS FOR NEW
CHILDREN'S EYE CLINIC AT UNIVERSITY

(FOR RELEASE NOVEMBER 16, 1967)

Diseases which cause blindness in children will be subjected to intensive research by University of Minnesota scientists in a new Eye Clinic for Children sponsored by the 250 Lions Clubs of Minnesota.

Minnesota Lions have opened a statewide drive among their 12,000 members to provide \$100,000 toward financing the construction and equipping of the clinic as the first phase of a new Sight Research Center. The new facility will be included in the University health sciences center expansion now being planned.

Causes, prevention and cure of blinding diseases in children will be studied in the Minnesota Lions Clubs Eye Clinic for Children by University researchers headed by Dr. John E. Harris, chief of the Department of Ophthalmology.

"This new facility," Dr. Harris asserted, "will enable us to concentrate our research more effectively on the blinding diseases of children, and, hopefully, to provide better methods of prevention and treatment.

"Since research and teaching go hand in hand," Dr. Harris added, "it follows that our teaching program for both undergraduate medical students and doctors training to specialize in ophthalmology will be improved."

(MORE)

Lions clubs, both international and local, long have been dedicated to sight conservation. Through the years, their efforts have provided guide dogs, braille materials, programs in sight preservation and eye banks as evidence of their concern for the blind.

In 1960, the Minnesota Lions clubs joined with the University in establishing the Minnesota Lions Eye Bank in University Hospitals as a collecting station for the storage of donated eyes. To date, more than 12,000 persons have indicated the wish that their eyes be donated to the bank when they die, Dr. Harris reported.

"The work of the Lions in establishing the Eye Bank and in supporting its continuing operations," stated George R. Dugan of Austin, chairman of the Lions Eye Bank committee, "has been an effort of immeasurable benefit. Minnesota Lions are justifiably proud of the Eye Bank, but now they want to do even more. They want to provide facilities to enable University doctors to investigate the causes of blindness so that, eventually, any child anywhere who is threatened by darkness may be helped to see."

Members of the Minnesota Lions Eye Bank committee working with Mr. Dugan in managing the fund drive for the Childrens' Eye Clinic are: Free C. Bayard, secretary, Robbinsdale; Frank E. Murphy, treasurer, St. Cloud; Walter D. Johnson, St. Paul; Wally Lambert, Hibbing; James Parkins, Thief River Falls; Erling Wyland, Barnesville; Harold Lindell, Willmar; Alex Fisher, Fulda; John Devins, Waconia; and Ted Skauge, Moorhead.

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UNIVERSITY OF MINNESOTA LECTURE SHORTS

(FOR IMMEDIATE RELEASE)

ARABIC FILM
TO BE SHOWN AT 'U'

"Aagzet nus El-sarna" (Vacation in the Country), a musical comedy color film of Arabic folklore, dances and songs, will be presented at the University of Minnesota Saturday (Nov. 11). Members of the Arab-American club will show the film at 8 p.m. in the Bell Museum auditorium. Tickets at \$1.75 will be sold at the door, with proceeds going to Arab refugees, according to Galeb Abdulrahman, publicity chairman for the student group.

'SLAVERY IN AMERICAS'
TOPIC FOR LECTURE

Herbert Klein, a member of the history department faculty of the University of Chicago, will speak at 3:30 p.m. Wednesday, Nov. 15 in room 410 Classroom building, West Bank, University of Minnesota.

"Slavery in the Americas" will be the topic of Klein's talk. He is the author of "Slavery in the Americas: A Comparison of Virginia and Cuba," published by the University of Chicago Press in 1966. The lecture is sponsored by the history department, the Latin American Studies committee, the Office of International Programs and the department of concerts and lectures. It is open free to the public.

PROF TO DISCUSS
'LONG-TERM MEMORY'

Harry P. Bahrick, psychology professor at Ohio Wesleyan University and currently (1967-68) visiting professor at the University of California, Berkeley, will speak in room 155 Ford hall, University of Minnesota, at 4 p.m. Thursday, Nov. 16.

"Methodology of Long-Term Memory" is the topic of his talk which is free and open to the public. This is the second Center for Research in Human Learning Colloquium Lecture sponsored by the Center for Research in Human Learning and the department of concerts and lectures.

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JUDY VICK, 373-2126

POETIC DRAMA
OPENS 'U' THEATRE
EXPERIMENTAL SERIES

(FOR IMMEDIATE RELEASE)

"Cain," a poetic drama by George Gordon, Lord Byron will be the first play in the University Theatre's new Experimental series.

The production, directed by Oliver Osterberg, opens Tuesday, Nov. 14, in Shevlin Hall Arena Theatre, University of Minnesota.

The play in blank verse is based on the Biblical story of Cain and Abel. Cain is portrayed as an angry young man who believes God is unjust because He created evil. Lucifer tempts Cain with a rational, soft-sell approach. A conducted tour among the stars and through Hades should be technically interesting. Cain's murder of his brother, Abel, is at least in part provoked by Cain's dissatisfaction with the politics of Paradise.

Osterberg is a candidate for his doctorate in theatre arts from Minnesota. He received his bachelor's degree at Minnesota and his master's degree from the University of Utah. He was an instructor on the St. Paul campus of the University of Minnesota where he directed several productions, and he has directed "Compulsion" for the Bloomington Civic Theatre.

Mark A. Donicht, 21, plays the lead role. He is a senior majoring in theatre and English at the University. Last summer he played "Romeo" in the Centennial Showboat production of "Romeo and Juliet" and "Huck" in "Huckleberry Finn" at the Peppermint Tent. A graduate of Hopkins High School, he has played at the Stagecoach in Shakopee, the North Suburban Theatre, the Edina Community Theatre, the St. Louis Park Community Theatre, the Minneapolis Institute of Arts Children's Theatre and the University Baptist Church Theatre.

(MORE)

The student cast includes Fairlie Arant, Eve; James J. Berry, Abel; William J. Grivna, Lucifer; Diane Lea Gronli, Adah; James L. Jorgensen, Angel of the Lord; Phyllis Rice, Zillah; and Michael Sevareid, Adam.

Grivna and Sevareid are the recipients of McKnight fellowships.

Sevareid is the son of Eric Sevareid, writer and radio and television commentator. He attended the Webster-Douglas School of Singing and Dramatic Art in London, England, and graduated from Middlebury College. A graduate student in theatre at Minnesota, he has performed in professional off-Broadway theatre in New York and with professional summer stock companies.

"Cain" will be presented at 8 p.m. Nov. 14-18, and at 3:30 p.m. Nov. 17 and 19. Tickets are available at the University Theatre Ticket Office, Scott Hall, or by telephoning 373-2337; from Dayton's in Minneapolis, St. Paul, Brookdale and Southdale, and at Field-Schlick in St. Paul. Tickets are priced at \$2.10 each.

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FORMER UNIVERSITY PROFESSOR
DISCOVERS METHOD OF LINKING
NEURISTORS FOR PRACTICAL USE

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

A new field in miniaturized electronics seems about to be opened because of research done by a former University of Minnesota associate professor of electrical engineering.

Professor Roy H. Mattson, who taught at the University from 1961-65 and is now head of the department of electrical engineering at the University of Arizona, has developed a method for practical use of the neuristor. This development was based on work done and patented while at Minnesota.

A neuristor is a device for the transmission of electrical energy which is similar to human nerves and brain cells in its electrical characteristics.

The axon of a human nerve fiber discharges an electronic signal which is not attenuated (diminished in strength) during transmission, and then recovers in approximately one millisecond for the propagation of the next signal. The neuristor behaves in the same manner.

Because of this capability for attenuationless transmission of energy, a line of neuristors would be much more efficient than even the lowest resistance copper wire in miniaturized digital electronic systems such as those used in computers.

Neuristors were of considerable interest to electrical engineers several years ago, but this interest waned when no one was able to link large numbers of neuristors together. Mattson has solved this problem.

Lines of neuristors are put together by a process known as diffused planar silicon technology. In this process, an impurity is diffused into a flat piece of silicon crystal to make a unijunction transistor. The transistors are incorporated into the lines of neuristors.

(MORE)

"Such large arrays of neuristors are of interest for experimentally investigating different logic techniques such as threshold or probabilistic logic systems," Mattson said.

There are ways in which neuristor lines can be interconnected so that digital logic systems can be constructed entirely of such lines. Lines along which a signal propagates at a uniform velocity and without attenuation might seem similar to so-called "lossless" linear transmission lines (copper wire), but there is one important difference which makes the neuristor more useful for digital electronic systems.

Signals moving toward each other in a linear transmission line do not interact, whereas two discharges traveling toward each other on a neuristor line are totally destroyed by the collision. This destructive collision property offers a very powerful beginning point for forming a digital logic system in a computer.

Mattson will discuss his neuristor work at the Solid States Circuits Conference in Philadelphia next February.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 7, 1967

For further information, contact:
JUDY VICK, 373-2126

INDIAN SITARIST
TO PERFORM
IN 'U' CONCERT

(FOR IMMEDIATE RELEASE)

Nikhil Banerjee, one of India's three leading sitarists, will present a concert Sunday, Nov. 19 at 8 p.m. in the main ballroom of Coffman Union, University of Minnesota.

"Banerjee is one of India's finest musicians. He ranks with Ravi Shankar and Ustad Vilayat Khan," said Professor Karl H. Potter, director of the University of Minnesota's South Asia Center which is sponsoring the concert.

This is Banerjee's first tour of the United States. He has gained an international reputation through his performances in Europe, Russia, Southeast Asia, Afghanistan and Nepal. A professor at the Ali Akbar Khan College of Music in Calcutta, Banerjee taught last summer at the American Society for Eastern Arts summer school in Berkeley, Calif., and will teach there again in the summer of 1968.

Born in 1931, Banerjee began studying the sitar as a child. His father gave him his first lessons. At the age of 9 he received highest honors in the All Bengal Sitar competition. He has studied with Kishor Roy Chowdhury, Ustad Allauddin Khan and Ustad Ali Akbar.

Banerjee will be accompanied on the tabla by Kanai Dutta, who accompanied Shankar on his 1961 tour of the United States.

(MORE)

SITAR

-2-

(The sitar is the most popular stringed instrument of India. It is a plucked, many-stringed instrument made of seasoned gourd and teakwood. The tabla is actually two hand drums, the larger drum serving as the bass and the smaller drum as the treble. The tabla is tuned to the solo instrument it is accompanying.)

The program of ragas and talas will be determined by the time of day and the moods of the players. Seating in the ballroom will be arranged Indian-style on carpeted floors, with more conventional chairs available. Tickets at \$1 are available in 105 Northrop auditorium and 1282 Social Science building, University of Minnesota, and from Dayton's in Minneapolis, St. Paul, Southdale and Brookdale.

-U N S-

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 7, 1967

For further information, contact:
DORIS FENICK, 373-2126

DAD'S DAY NOV. 18
TO FEATURE TALKS,
LUNCHEONS, GAME

(FOR IMMEDIATE RELEASE)

Minneapolis---Parents, past present and future, of University of Minnesota students will observe the 35th celebration of Dad's Day at the University Saturday, Nov. 18.

Included on the program are a convocation speech by Minnesota Student Association (MSA) President William Newell, a series of seminars on current University problems, a luncheon in Coffman Union, special honors for fathers of varsity football players, and attendance at the Minnesota-Indiana football game in Memorial stadium, according to Susan Alnes, Freshman Council coordinator for the event. The annual program is jointly sponsored by the MSA and the University of Minnesota Dad's Association.

Following 9 a.m. registration and a coffee hour in the women's lounge of Coffman Union, Newell will speak on "Student Involvement." His speech, from 9:30 to 10 a.m., will be given in the junior ballroom.

University faculty and administrative officials will lead panel discussions from 10 to 11 a.m. on such topics as Academic Concerns, Community Involvement, Commuter Life, Residence Hall Living, Religion on Campus, and International Interests. These discussions will be held in various rooms in the Union, and will be scheduled so that parents may attend two or more of the meetings.

(MORE)

Paul Cashman, assistant vice president for educational relationships and development, will speak on "The Student, the Parent and the University" at the 11:30 a.m. luncheon in Coffman Union main ballroom. University President Malcolm Moos will attend the luncheon and greet the parents.

The game---highlight of each Dad's Day observance---will find Minnesota and Indiana meeting at 1:30 p.m. in Memorial stadium. Fathers of varsity players will be honored at an 11:30 a.m. luncheon in Williams Arena during which members of the M-Club---hosts at the luncheon---will honor the fathers, according to Glen A. Reed, assistant coach and professor of intercollegiate athletics.

At the game, too, the varsity-fathers will be singled out for special attention. Wearing numbers identical to those on the jerseys of their sons, the dads will form an honor cordon at the entrance to the field, will be introduced to the crowds, and will have special seats of honor for the game.

Reservations for tickets for the luncheon (\$2) and for the game (\$5) may be made through the Dad's Association office, 302-C Eddy Hall, University of Minnesota, Minneapolis 55455, no later than Nov. 15.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 8, 1967

For further information, contact:
DORIS FENICK, 373-2126

NAVAL PHYSICIST
SLATED AS NROTC
BANQUET SPEAKER

(FOR IMMEDIATE RELEASE)

Vice Admiral John T. Hayward, USN, member of the Atomic Energy Commission, physicist, rocketry expert, antisubmarine authority and currently president of the U. S. Naval War College, will be the major speaker at the seventh annual Navy League-NROTC Parents and Son banquet at the University of Minnesota Saturday, Nov. 18.

Approximately 350 midshipmen and their parents will attend the dinner in Coffman Union main ballroom, according to Captain James M. Marshall, USN, professor of naval science and unit commanding officer.

The affair, given each fall by the University NROTC unit and the Twin Cities Council of the Navy League of the United States, introduces the students' parents to the officers of the unit and to University faculty and administrators.

In addition to Admiral Hayward, honored guests will include William G. Shepherd, University vice president for academic administration; Professor Rodney C. Loehr, chairman of the Faculty Senate Committee on ROTC; and Howard W. Milbert, president of the Twin Cities Council of the Navy League.

(MORE)

Admiral Hayward will spend Friday and Saturday, Nov. 17 and 18, on the University campus, Capt. Marshall said. He will attend a luncheon with faculty physicists Friday at the University Alumni Club, Sheraton-Ritz hotel, and tour the physics department facilities in the afternoon. On Saturday, he and his aides will join University President Malcolm Moos in watching the Minnesota-Indiana football game from the president's box in Memorial stadium.

Admiral Hayward enlisted in the Navy in 1925, went to the Naval Academy in 1926, and reached the grade of vice admiral in 1959. Recognized as an outstanding physicist, he has worked on all phases of rocket development, nuclear weapons development and nuclear propulsion and is the only military recipient of the Robert Dexter Conrad Scientific Award for outstanding work in the field of physics.

He has headed the Naval Ordnance Laboratory and commanded the giant aircraft carrier USS Franklin D. Roosevelt; his most recent at-sea assignment was Commander Antisubmarine Warfare Force, Pacific. He has headed the Naval War College since 1966.

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NOVEMBER 8, 1967

U OF M PAST AND PRESENT
DEPICTED IN NEW COLOR FILM

(FOR IMMEDIATE RELEASE)

"Minnesota, Then and Now," the first general film ever made depicting the University as it was and is, will be released for the first time next week.

Sponsored by the Minnesota Alumni Association and Farmers & Mechanics Savings Bank of Minneapolis, the 15-minute color film was produced by James H. Butler of the University's audio-visual department. Narrator is Robert P. Boyle, program director for KUOM radio, and special music for the film was composed by Paul Eide.

"The camera has captured the spirit as well as the growth of the University," says Albert H. Heimbach, president of the Minnesota Alumni Association. "The Minneapolis campus East and West Banks, the St. Paul, Duluth and Morris campuses all are featured, showing them as they are today, while the narration, in part, tells of what they used to be."

The film will be provided to the 55 chapters of the Minnesota Alumni Association within the state, and to its 40 outstate chapters as well.

"To the people who study and work here, the University is many things," the film says. "The University is a place of learning and discussion.....but it is not all classrooms, laboratories and studies."

As the film moves from the quiet of the tree-filled Knoll to the bustle of construction on all the major campuses, alumni recall campus scenes and activities, giving viewers both a nostalgic and a new look at the University, which has grown from a faculty of nine in 1869 to today's 3,000-plus leading researchers and scholars.

(MORE)

William Anderson, professor emeritus of political science and a 1913 graduate of the University, recalls the early buildings on campus.

Anderson, who joined the faculty in 1916, has personally known each of the University's 10 presidents.

Waldo E. Hardell, Minneapolis businessman, recalls the extra-curricular activities of the campus. Hardell, a 1926 graduate of the School of Business Administration, has served the University in many ways, most recently as president of the Minnesota Alumni Association.

Elizabeth Henderson, former staff member of Walter Library, recalls for viewers its early beginnings. Today the University's 30 special libraries house 2.5 million volumes.

The growth of the Medical School to its place of eminence is recounted by Dr. Virgil J. P. Lundquist, Minneapolis physician and a 1943 graduate. Dr. Lundquist, like Hardell, has served as president of the Minnesota Alumni Association.

The dedication and first game played in Memorial Stadium are recalled by Herman Rosenblatt, a 1933 graduate. It was there that the underdog Gophers defeated a powerful Illinois and stopped All-American Red Grange.

"I think it's a privilege for the bank to have been a part of the film," commented Hermon J. Arnott, president of Farmers & Mechanics and himself a 1924 graduate of the University.

Several Twin Cities industries have requested the film, and it will be available to all civic and service organizations as well. Private groups also may request the film. Requests should be sent to the Minnesota Alumni Association, 205 Coffman Union, University of Minnesota, Minneapolis 55455.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 9, 1967

For further information, contact:
JUDY VICK, 373-2126

SCHWARTZ PRESENTS
MILLER COLLECTION
TO 'U' LIBRARY

(FOR IMMEDIATE RELEASE)

A collection of 359 works by and about contemporary author Henry Miller has been presented to the University of Minnesota Library.

Edward P. Schwartz, Minneapolis publisher and printer and founder of the international Henry Miller Society, gave the collection to the library to use as a source for the study of Miller and his works and of the problem of censorship which has plagued the 20th-century author throughout his career. It will be a non-circulating research collection.

The acquisition was announced today (Thursday, Nov. 9) by Austin McLean, chief of the special collections department of the University Library. Professor Edward B. Stanford, director of libraries, accepted the gift on behalf of the University.

Many signed first editions and rare items from the author's early writing period are included in the collection, which will be housed in the rare book collection of Walter Library. There are also a number of foreign translations of Miller's major works, periodicals which contain his contributions and critical books and articles about him.

First editions of "Nexus," "Plexus," "Sexus," "Tropic of Cancer," "Tropic of Capricorn" and "The Air-Conditioned Nightmare" are included in the collection. Many of the books are inscribed with comments by Miller in his own writing. Miller's reverse signature appears in the Hebrew translation of "Tropic of Cancer."

(MORE)

Schwartz was born in Minneapolis, attended the University of Minnesota and became a reporter for the Minneapolis Daily News in 1923. He worked in circulation and as a reporter for the Minneapolis Tribune and in the advertising department of the Philadelphia Public Ledger, and was editor of the Daily Journal of Commerce in Portland, Ore.

Since 1944 he has been president of the Ad Art Advertising Company of Minneapolis, which was founded by his father in 1889 as the Schwartz Printing Co. In 1953 Schwartz, one of the early members of the Twin Cities Newspaper Guild, received the Guild's IWANOM (I Was A Newspaperman Once Myself) award.

The Henry Miller Literary Society was founded by Schwartz in 1957 and grew to a membership of 700.

"Our principal objective was to fight encroaching censorship and get Miller read in his own country. We think our original concept, that we are adults and we are entitled by the constitution to read anything we please, has been highly successful," Schwartz said.

"One of the aspects of this fight that impressed me the most, when we embarked on it, was the fact that librarians all over the country joined us in the cause," Schwartz stated.

In 1964 Miller visited Minneapolis as Schwartz's guest.

Schwartz said he plans to give the files of the Miller Literary Society to the University Library in the near future.

UNIVERSITY OF MINNESOTA
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NOVEMBER 9, 1967

For further information, contact:
DORIS FENICK, 373-2126

FRENCH CABARET
TROUPE TO BE AT 'U'
TUESDAY, NOV. 14

(FOR IMMEDIATE RELEASE)

Le Paris Rive Gauche, famous French cabaret troupe currently making its fourth tour of the United States, will appear at the University of Minnesota Tuesday (Nov. 14).

The program of French satire, songs and poetry, translated into English and set to music, will be presented at 8 p.m. in Coffman Union main ballroom. Tickets (\$1) may be purchased at the door. The event is being presented by the World Affairs committee of the Coffman Union Board of Governors.

Of the group's performances in New York City, the New York Times said: "If a half-dozen New Christy Minstrels took to singing poems by Edgar Allen Poe and Norman Mailer, the result would be a crude American version of Paris Rive Gauche."

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NOVEMBER 9, 1967

EDUCATIONAL PLANNING
TO BE DISCUSSED
AT 'U' SYMPOSIUM

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

Leading educators from the United States and Europe will meet Sunday through Tuesday (Nov. 12-14) at the University of Minnesota for the second symposium on "Educational Planning in the United States."

The conference is sponsored by the Phi Delta Kappa (national education fraternity) Commission on Education, Manpower and Economic Growth in the United States, and the U. S. Office of Education. The first educational planning symposium was at the University of Illinois in 1965.

"The purpose of the symposium is to stimulate thought and study and to provide thinking and research for those concerned with educational planning," said Professor William P. McLure, University of Illinois, chairman of the conference.

Philip G. Smith, professor of history and philosophy of education, Indiana University, will open the symposium Sunday (Nov. 12) at 2 p.m. with the presentation of a paper titled "Objectives for American Education." "The Status of Educational Planning in the United States" will be presented at 9 a.m. Monday (Nov. 13) by Francis S. Chase, professor of education at the University of Chicago.

Kjell Eide, director of planning, Ministry of Education, Oslo, Norway, will speak at 2 p.m. Monday on "The Planning Process." "Planning Adjustments in the Educational System" will be the topic of a talk by William McLure, director, Bureau of Educational Research, and professor of educational administration, University of Illinois, Urbana, at 7:30 p.m. Monday.

The final paper of the symposium will be presented at 9 a.m. Tuesday (Nov. 14) by Andre L. Daniere, assistant professor of education and economics, Harvard University. His topic will be "Institutionalizing the Process of Planning."

(MORE)

EDUCATION

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The presentation of each paper will be followed by a closed discussion. Discussants will include Robert Beck, professor of history and philosophy of education, College of Education, University of Minnesota; George B. Brain, dean of the College of Education, Washington State University; Paul A. Fawley, professor of educational administration, University of Utah; Mrs. Jean M. Flanigan, National Education Association, Washington, D. C.; Bernarr S. Furse, director of the Multi-State Project, Utah State Board of Education, Salt Lake City, Utah; Stanley B. Kegler, associate dean of the College of Education, University of Minnesota; Edgar Morphet, director of the Eight State Project, Colorado State Library, Denver, Colo.; Selma J. Mushkin, project director, state-local finances project, The George Washington University; Michael D. Usdan, professor, Teachers College, Columbia University; and Cicely Watson, chairman of the department of educational planning, the Ontario Institute for Studies in Education, Ontario, Canada.

Members of the Commission on Education, Manpower and Economic Growth who will be participating in the conference are Kenneth L. Beasley, coordinator of research grants, Northern Illinois University; William F. Butler, vice president of Chase Manhattan Bank, New York, N.Y.; Kenneth M. Deitch, department of economics, Harvard University; R. L. Johns, head of educational administration, College of Education, University of Florida; Eugene P. McLoone, College of Education, University of Maryland; John K. Folger, director of the commission on human resources and advanced education, conference board of associated research councils, Washington, D. C., and Gordon I. Swanson, coordinator of international programs, University of Minnesota.

All sessions will be held in room 140 Nolte Center, on the University of Minnesota Minneapolis campus. Discussion sessions will not be open to the public. The discussion sessions will be open to the press.

UNIVERSITY OF MINNESOTA
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NOVEMBER 10, 1967

For further information, contact:
BETH KENT, 373-5166

MACPHAIL CENTER TO OFFER
VIOLIN LESSONS TO
PRE-SCHOOL-AGE CHILDREN

(FOR IMMEDIATE RELEASE)

Violin lessons for children between the ages of three-and-a-half and six years are now being offered through the University of Minnesota General Extension Division's MacPhail Center for the Performing Arts.

The lessons, open to any child who demonstrates a firm grasp of the English language, involve both the child and one parent in weekly private lessons with an instructor. The lesson schedule may be arranged on an individual basis by calling the MacPhail Center at 332-4424.

Instruction will be based on the so-called "talent education" method, a system of instruction begun in the early 1950's in Japan by Shinichi Suzuki, and since employed successfully in the United States, including the Twin Cities. The method relies on the child's ability to learn to play the violin by imitation, in the same way he learns to speak his native language by imitation.

The purpose of the program is not to produce child prodigies, but to give children an appreciation of beauty, particularly musical beauty. As side benefits, the child is expected to develop a sense of accomplishment and an attitude of cooperation between himself and his parent.

Success of the technique depends in large part on the assistance of the parent, who will supervise all practice at home. No prior musical knowledge or ability is expected from the parent.

(MORE)

All music will be learned by imitation and memory, without such aids as musical notation, books or music stands. Lessons will be geared to the individual child's attention span. The student will listen to recordings of music currently being studied, as well as music to be studied in the future.

Mark Bjork, the instructor, has been a student of the violin since he was four years old. Currently, he is on the MacPhail Center staff, is a member of the Radisson Hotel Golden Strings, and is a candidate for the master of fine arts degree at the University.

Bjork is a graduate of Indiana University, where he was a student of Josef Gingold, former concertmaster of the Cleveland Orchestra.

He has studied privately in Oslo, Norway, with Henrik Due, and has spent time observing Due's extensive teaching of children.

Bjork is also a former member of the Evansville (Ind.) Philharmonia Orchestra and of the Terre Haute (Ind.) Symphony.

UNIVERSITY OF MINNESOTA
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TELEPHONE: 373-2126
NOVEMBER 10, 1967

LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF NOV. 12-19

- Sun., Nov. 12 -- Special concert: University Marching Band presents review of musical programs presented during football season; 4 p.m., Northrop auditorium; tickets at door, \$1.50 adults, \$1 students, pre-school children, free.
- Sun., Nov. 12 -- Bell Museum Sunday program: "The Touch of Nature;" color-sound movie of Minnesota wildlife; 3 p.m. museum auditorium. Free.
- Sun., Nov. 12 -- Musical comedy, "The Roar of the Greasepaint, the Smell of the Crowd," first production of UBOG Dance and Drama committee; Coffman Union Gopher Hole, final performance, 3 p.m. Tickets at door.
- Sun., Nov. 12 -- University Theatre: "Tiny Alice," final performance, 3:30 p.m., Scott hall auditorium. Tickets.
- Sun., Nov. 12 -- University Gallery: "Alan Davie---Paintings and Watercolors;" gallery open 2-5 p.m. Sundays, 8 a.m.-4 p.m. weekdays; Northrop auditorium. Free.
- Tues., Nov. 14-- "Exploration in Jazz" series: today's lecture, "Melody in Jazz;" 1:15 p.m., Coffman Union main ballroom. Series tickets.
- Tues., Nov. 14-- French cabaret troupe, "Paris Rive Gauche," in an evening of French songs, satire and poetry set to music (English language). 8 p.m., Coffman Union main ballroom. Tickets at door.
- Tues., Nov. 14-- University Theatre Experimental series: "Cain," poetic drama by George Gordon, Lord Byron; 8 p.m. through Saturday; Shevlin auditorium. Tickets.
- Tues., Nov. 14-- Space Science Colloquia: "Science, Technology and American Foreign Policy;" address by Eugene Skolnikoff, MIT department of political science; 4:15 p.m., 131 Physics. Free.
- Fri., Nov. 17 -- University Film Society: "Boudu Saved from Drowning" (France, 1932) directed by Jean Renoir; shown at 7:30 p.m.; "French Can-Can" (France, 1957) also by Renoir; shown at 9:30 p.m.; Bell museum auditorium. Tickets.
- Fri., Nov. 17 -- University Theatre Experimental series: "Cain" matinee, 3:30 p.m. Friday and Sunday; Shevlin auditorium. Tickets.
- Sat., Nov. 18 -- Annual NROTC Parents and Son banquet: Vice Admiral John T. Hayward, USN, physicist and current president, U.S. Naval War College, speaker. 6 p.m., Coffman Union main ballroom.
- Sat., Nov. 18 -- Dad's Day: parents, past, present and future, get acquainted with the University; speeches, seminars, luncheon, Coffman Union. Tickets.
- Sun., Nov. 19 -- Special concert: University Marching Band repeats concert of Nov. 12; 4 p.m., Northrop auditorium. Tickets at door.
- Sun., Nov. 19 -- Student-Faculty Chamber Recital; 4 p.m., Mayo auditorium. Free.
- Sun., Nov. 19 -- Sitar concert by Nikhil Banerjee; 8 p.m., Coffman Union main ballroom. Tickets at door.

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For further information, contact:
JUDY VICK, 373-2126

'U' MARCHING BAND
TO PRESENT TWO
SUNDAY CONCERTS

(FOR IMMEDIATE RELEASE)

Half-time music will be featured in the University Marching Band's sixth annual indoor concerts at 4 p.m. Sunday (Nov. 12) and Sunday, Nov. 19 in Northrop auditorium.

The program will be selected from the music played at Minnesota football games this year plus special features and old favorites. Dr. Frank Bencriscutto is director of the 225-member all-male band.

Proceeds from the concerts will be used to help support the band's annual trip to an out-of-town football game.

Tickets are \$1.50 for adults and \$1 for students. Pre-schoolers will be admitted free. Tickets can be purchased at the door or by writing to the University Marching Band, 14 Northrop auditorium, Minneapolis 55455.

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UNIVERSITY OF MINNESOTA
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For further information, contact:
GLENN ICKLER, 373-2126

M.I.T. PROFESSOR
LEADS OFF UNIVERSITY
SPACE SCIENCE COLLOQUIUM

(FOR IMMEDIATE RELEASE)

Eugene Skolnikoff, professor of political science at Massachusetts Institute of Technology, will be the first speaker in a three-part Space Science Colloquium which will open at the University of Minnesota Tuesday (Nov. 14).

Skolnikoff will speak on "Science, Technology and American Foreign Policy."

The colloquia, to be presented on three successive Tuesdays, all will begin at 4:15 p.m. in room 131 Physics building on the Minneapolis campus.

Professor Robert Collins, head of the University department of electrical engineering, will discuss "The Lunar Surface" on Nov. 21.

The Nov. 28 speaker will be V. Rama Murthy, University associate professor of geology and geophysics, whose topic will be "Meteorite Evidence on the Early Solar System."

All sessions are open free to the public. The colloquia are sponsored by the University's Space Science Center.

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For further information, contact:
DORIS FENICK, 373-2126

NICOLAIDIS WILL
SPEAK THURSDAY
ON GREEK PROBLEMS

(FOR IMMEDIATE RELEASE)

Nicholas Nicolaidis, secretary general of the Greek Unified Center Union party, will speak on "Contemporary Greek Problems" at the University of Minnesota Thursday (Nov. 16).

The program, sponsored by the West Bank Union impact committee, the Minnesotans for Democracy and Freedom in Greece and the University's Council of Religious Advisors, will be held at 3:30 p.m. in room 5 Classroom building on the West Bank.

Nicolaidis will present a first-hand account of the current situation in Greece and the response of European nations to the military junta. This appearance in the Twin Cities is part of a world wide lecture tour in which he speaks in Montreal, New York, Boston, Philadelphia, Chicago and Berkeley during October and November.

Because of his criticisms of the military regime, Nicolaidis, along with actress Melina Mercouri and several others, has been stripped of his Greek citizenship. He has said that, "If it becomes necessary for the Greek people to shed their blood once more for their freedom, then obviously a common scheme for all the fighters for democracy will be necessary.....Democratic Europe is aware of the dangers that the present situation may bring and desires neither a second Spain nor a second Vietnam in its territory."

He will be introduced by Professor David Cooperman, chairman of the social science program at the University.

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For further information, contact:
DORIS FENICK, 373-2126

GOVERNMENT CAREER DAY
SET THURSDAY AT UNION

(FOR IMMEDIATE RELEASE)

Federal, state and local government agencies will have displays at the University of Minnesota Thursday (Nov. 16) when the annual Government Career Day is observed in Coffman Union main ballroom.

Included in the 35 booths and presentations will be one on atomic energy provided by the Atomic Energy Commission, one from the Federal Department of Transportation, and a St. Paul Police Department exhibit on narcotics and weapons, according to George A. Warp, director of the Public Administration Center at the University.

The center and local chapters of the American Society for Public Administration are sponsoring the display this year, Warp said.

The Federal Service Entrance examination and the Management Intern Examination will be given on Saturday (Nov. 18) to people who apply during the Career Day program, Warp added. Interested persons also may take the State of Minnesota College Senior Placement examination at the same time.

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For further information, contact:
JUDY VICK, 373-2126

'PAJAMA GAME'
OPENS NOV. 22
IN SCOTT HALL

(FOR IMMEDIATE RELEASE)

"Pajama Game," a labor-management conflict set to music, opens at 8 p.m. Wednesday, Nov. 22, in Scott Hall at the University of Minnesota.

The musical comedy is the second play in the University Theatre Scott Hall series. Robert Moulton, professor of theatre arts, will direct the production. Moulton is also artistic director for the Stagecoach Players, Inc., in Shakopee and was the choreographer for the Minnesota Theatre Company's productions of "Thieves' Carnival" and "Shoemaker's Holiday" this season.

Vern Sutton is the musical director for "Pajama Game." He is musical director for the Stagecoach, a member of the Center Opera Company and a member of the University music faculty.

"Hey There---You With The Stars In Your Eyes," "Once-A-Year Day," "Small Talk," "There Once Was a Man," "Steam Heat" and "Hernando's Hideaway" are some of the hit songs from the musical which concerns a disagreement between the labor (girl) and management (boy) in an Iowa pajama factory.

The play was written by George Abbott and Richard Bissell, from the book "Seven and a Half Cents," by Bissell. Music and lyrics are by Richard Adler and Jerry Ross.

William Lampe, a University graduate student from Lafayette, Ind., and Cynthia Wells, a graduate student from Jackson, Minn., are cast in the lead roles of Sid Sorokin and Babe Williams. Sid is the factory supervisor. Babe heads the local union's grievance committee.

(MORE)

The student cast includes Peter Goetz, Hines; Douglas Cheek, Prez; William Macklin, Joe; Michael Pufall, Mr. Hasler; Gayle Viehman, Gladys; Catherine Albers, Mabel; Peter Jablonski, Charlie; Ivar Brogger, First Helper; Elizabeth Torgersen, Mae; Patricia Lundgren, Poopsie; Janece Manches, Brenda; Tom Jacoby, Max; and Barry Steinman, Pop Williams.

Linda Walsh is assistant to the director.

The dancing chorus, led by Montgomery Rudoy, includes Patrick Burke, Patricia Hove, Maureen O'Leary, Linda Pieper, Mike Robins and Kathleen Tereault.

Members of the singing chorus are Jane Albert, Joy Bowman, Wynne Broms, Carey Connell, John Edmunds, John Fineberg, Michael Kassin, Sue Lach, Linda Walsh and Barbara Wood.

Musical accompaniment is provided by pianists Rosemary Lutterman and Richard Seigal.

"Pajama Game" will be presented at 8 p.m. Nov. 22, 24, 25, 29 and 30 and Dec. 1 and 2, and at 3:30 p.m. Nov. 28 and Dec. 3. Tickets are available from the University Theatre Ticket Office, Scott Hall, University of Minnesota, phone 373-2337, from Dayton's in Minneapolis, St. Paul, Brookdale and Southdale, and from Field-Schlick in St. Paul.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 15, 1967

For further information, contact:
JUDY VICK, 373-2126

CIC REPORT
CITES PROGRESS
IN 'U' COOPERATION

(FOR IMMEDIATE RELEASE)

University of Minnesota cooperation is cited in a report issued today by the Committee on Institutional Cooperation (CIC), a joint association of the Big Ten universities and the University of Chicago.

Progress made in a wide-ranging cooperative approach to specialized problems in higher education, which includes more than 40 cooperative projects, is the subject of the report.

"This report shows the growth of the CIC program and its progress toward the goal of cooperative action for sharing of scarce or costly facilities and services in highly specialized areas," said Stanley J. Wenberg, University vice president for educational relationships and development and Minnesota's CIC representative.

"The association is a pioneer in the work of providing special joint programs aimed at eliminating unnecessary duplication of effort among the member universities."

Founded in 1958, the CIC is a voluntary group whose purpose is to strengthen higher education through a pooling of resources in certain areas of instruction, research and public service.

CIC projects include all the major academic areas, course-content improvement, graduate student exchange, continuing education in professional fields, honors, electronic communications systems, information retrieval and many other areas.

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JUDY VICK, 373-2126

STUDENT-FACULTY
CHAMBER ENSEMBLE
TO PLAY SUNDAY

(FOR IMMEDIATE RELEASE)

Students and faculty of the University of Minnesota music department will present a chamber music concert at 8 p.m. Sunday (Nov. 19) in Mayo auditorium on the University's Minneapolis campus.

The program will open with "Quartet in C Major" by Mozart, conducted by Richard Fischer, assistant professor of music and conductor of the University Symphony Orchestra. The string quartet will include Fischer, viola, and students David Robillard, violin; Nancy Muehr, violin, and Kathryn Winckler, cello.

"Quintette" by Jean Francaix will be played by Franz Roehmann, assistant professor, bassoon; Carlo Minnetti, teaching assistant, clarinet, and students Myra Winkler, flute; Thomas Tempel, oboe, and Leslie Blake, French horn. Minnetti will conduct the quintet.

The University Chamber Orchestra conducted by Anthony Gilombardo, assistant professor, will present the final segment of the program. They will play "Concerto Grosso in G Minor, Opus 3, No. 2" by F. Geminiani. Members of the orchestra are as follows: Violins, Akiko Nakanishi, David Robillard, Nancy Muehr, James Cockey, Mark Dulac, Barbara Hochberg, Ned Kantar and Mark Bjork. Violas, Valerie Lane and Sandra Pitzele. Cellos, John Madura, Jan Worrell and Kathy Winckler. Bass, Nancy Bjork.

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NOVEMBER 15, 1967

For further information, contact:
DORIS FENICK, 373-2126

NSA PRESIDENT TO GIVE
KEYNOTE SPEECH AT
STUDENT POWER CONFERENCE

(FOR IMMEDIATE RELEASE)

Minneapolis---With more than 200 delegates from 25 states holding advance registration for the National Student Association (NSA) Student Power Conference, to be held at the University of Minnesota this weekend (Nov. 17-19), total enrollment of student leaders for the affair is expected to be well over 300, according to Terry Ring, Minnesota Student Association (MSA) coordinator for the affair.

Delegate registration will be held from 9 a.m. to 1 p.m. Friday (Nov. 17) in the foyer of Coffman Union main ballroom, Miss Ring said. Delegates will spend the afternoon in getting acquainted, planning conference actions and setting up proposals for later committee action.

Edward Schwartz, NSA president, will deliver the conference keynote address at the formal opening session at a 6 p.m. dinner in Coffman Union main ballroom. Small groups for resources discussion will meet in rooms in Coffman Union following Schwartz' talk.

While major conference activities will center in Coffman Union, Miss Ring said, previous reservations for Union facilities will force Saturday's schedules to be carried out in other campus buildings.

On Saturday (Nov. 18), meetings and speeches will be held in rooms in Ford, Vincent, Aeronautical Engineering and Physics buildings. The main address will be given at 10 a.m. in Murphy Hall auditorium by Robert Van Waes, Washington D.C., associate secretary of the American Association

(MORE)

of University Professors. Van Waes' talk will be followed by panel discussions.

Workshops will be held on Saturday afternoon on such topics as Student Legal Rights, Campus Rights, Social Freedoms, Autonomy, Extraordinary Tactics, and Tactics of Education.

Homogeneous groups will meet Saturday evening, with a sing-along and social groups winding up that day's activities.

Workshop groups will meet at the Union Sunday morning, with a plenary session of the conference in Coffman Union main ballroom winding up the sessions Sunday afternoon (Nov. 19).

Invitations to student organizations throughout the country--- many of them not currently members of the NSA---were extended by the national organization after the subject of student power dominated the National Student Congress held last summer in College Park, Md. At that time William Newell, president of the MSA, extended the invitation for Minnesota to host the conference.

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For further information, contact:
JUDY VICK, 373-2126

A JOINT RELEASE FROM THE MINNEAPOLIS PUBLIC SCHOOLS AND THE UNIVERSITY OF MINNESOTA

REPORT REVEALS
TENTATIVE RECOMMENDATIONS
FOR 'U' HIGH-MARSHALL MERGER

(FOR RELEASE AT 6:30 P.M., THURSDAY, NOV. 16, 1967)

Tentative recommendations for the establishment of a new junior-senior high school, using the facilities of both Marshall and University of Minnesota High Schools, were outlined in a preliminary report issued today.

The report, developed by an advisory committee to University President Malcolm Moos and Minneapolis Schools Superintendent John Davis, was mailed to faculty members and parents of students at the two schools Wednesday.

B. Warner Shippee, executive vice president of the University Community Development Corporation, is chairman of the committee. Stanley B. Kegler, associate dean of the University College of Education, and Nathaniel Ober, Minneapolis assistant superintendent of schools, serve as the steering committee.

Recommendations in the preliminary report are as follows:

1. That the school be designated, for the present, as the Marshall-University High School.
2. That Marshall-University High School begin operations in September, 1968, with one administration, one staff, one schedule and a joint board of control, in shared facilities.
3. That the Board of Regents of the University of Minnesota and the Minneapolis Board of Education be urged to appoint a Joint Board of Control as soon as possible and to authorize the present advisory committee to act as the Interim Board of Control until an officially designated board has been appointed.

(MORE)

4. That an admissions committee for Marshall-University High School be appointed by the advisory committee in consultation with the present director of University High School and the present principal of Marshall High School.

5. That the advisory committee initiate discussions with the State Department of Education and the North Central Association of Colleges and Secondary Schools to seek permission to develop curricular policies allowing for utmost flexibility.

6. That a curriculum development specialist be appointed to coordinate and assist in the development of innovative interdisciplinary approaches in appropriate areas.

7. That steps to secure such funds as are necessary to support curriculum development sessions, to be scheduled for the summer of 1968, be initiated by the advisory committee.

8. That the advisory committee, through a subcommittee composed of its chairman and the two current members of the steering committee, in consultation with appropriate individuals, be prepared to recommend to the Board of Regents and the Board of Education the appointment of a principal and other key personnel by Feb. 15, 1968.

9. That the principal and other key personnel submit to the advisory committee by April 1, 1968, a series of recommendations regarding faculty personnel policies, uses of teacher aids, and provisions for internal structure for decision making in curriculum development and operations.

The report is based on the assumption that the new school would enroll from 1,200 to 1,300 students, including students living in the Marshall district, students currently enrolled in University High School (all of whom would be eligible to attend) and possibly others who apply from other areas. Existing programs for the handicapped would be continued.

A number of subcommittee recommendations to the advisory committee are cited in the report. They will be studied prior to the release of a revised report in December. The features of the school currently under study include flexible scheduling, expanded language instruction, combined library facilities, vocational education, general business education, a work program, lower teacher-student ratio, curriculum development, cooperative teacher education, joint faculty appointments and a combined athletic program in the city conference.

In releasing the advisory committee's preliminary report, Dean Kegler emphasized (1) that the report was developed from the work of 17 committees and subcommittees appointed to study specific areas; (2) that the report includes only tentative recommendations, subject to revision in early December; (3) that interested individuals and groups are urged to react to the report and forward suggestions to the steering committee; and (4) that the term "merger," while popularly used in the discussions, does not adequately describe the process by which the new school would be established, since the school, as recommended by the advisory committee, would be a genuinely new institution, differing from both of the present schools.

The final report will be submitted to the cabinet of administrative officers of the Minneapolis Public Schools and to the Secondary Education Executive Committee, the Policy and Planning Committee of the College of Education, the College of Education faculty and the administrative officers of the University.

Action on the report will be taken by the Minneapolis Board of Education and the University Board of Regents.

Kegler also emphasized that the school would serve the common interests of the community, the Minneapolis Schools and the University, enabling each to more effectively fulfill its missions through the high level of cooperation possible in a joint program.

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'U' SCHOOL OF PHYSICS
TO RECEIVE GULF OIL
GRANT FOR RESEARCH

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

The University of Minnesota School of Physics will receive a \$5,000 unrestricted grant from the Gulf Oil Corp. on Tuesday (Nov. 21) in recognition of the outstanding research done in the school in the field of mass spectroscopy.

Mass spectroscopy is a technique for studying the structure of atoms.

The gift will be presented to Professor Morton Hamermesh, head of the School of Physics, by Norman Coggeshall, director of the physical sciences division, Gulf Research and Development Co., at 11:30 a.m. in the office of Professor Frank Verbrugge, acting dean of the Institute of Technology.

The money may be used for any type of research the school chooses.

The University has developed many types of mass spectrometers under the leadership of Alfred O. C. Nier, Regents' Professor of physics. Nier, the first man to isolate the uranium 235 isotope, has been working in the field of mass spectroscopy since the 1930s.

Mass spectrometers are instruments used for chemical analysis problems of all kinds and are extremely useful to the oil industry.

Mass spectroscopy became a useful tool in physics laboratory work in the early 1930s, when mass spectrometers were used to study the problems of atomic structure. The first commercially produced mass spectrometers appeared in about 1940 and were used principally in the oil industry for making gas analyses. More recently, these instruments have been used in geology for measuring the ages of minerals and in space science for studying the composition of the upper atmosphere.

University School of Physics faculty members currently are using mass spectrometers for conducting experiments in upper atmospheric composition, precision weighing of atoms and investigation of the rare gases in meteorites. Mass spectroscopy will be used for lunar material analysis at the University when the first material is brought back from the moon.

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GLOBE-CIRCLING ANTHROPOLOGIST
TO DISCUSS AINU PEOPLE
AT UNIVERSITY SUNDAY

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

A Benedictine nun whose interest in people and their history has taken her to many parts of the world will talk about the vanishing Ainu people of Japan at the University of Minnesota Sunday (Nov. 19).

Sister M. Inez Hilger, research associate of the Smithsonian Institution, will discuss "The Aboriginal Ainu People of Japan" at 3 p.m. in the James Ford Bell Museum of Natural History auditorium. She will present a motion picture made during her study of the Ainu people on the island of Hokkaido under the sponsorship of the National Geographic Society. A number of artifacts from the ancient Ainu culture will be on display in the museum.

The program, which is sponsored by the University's anthropology department, is one of the museum's regular Sunday programs, which are free and open to the public.

Sister Inez is a Benedictine Sister of St. Benedict's Convent, St. Joseph, Minn., and holds a bachelor of arts degree from the University of Minnesota and a master's degree and doctorate from Catholic University of America. In her anthropological field work, she has visited 19 North American Indian tribes, 10 South and Central American nations, Puerto Rico, Cuba, Europe, the Near East, the Middle East and the Far East.

She has been a research associate of the Smithsonian since 1955. She is a Fellow of the American Anthropological Association and of the American Association for the Advancement of Science and is a member of the executive board of the Catholic Anthropological Association, the Instituto Indigenista Interamericano and the American Catholic Sociological Society.

An illustrated report of Sister Inez's research on the Ainu was published in the February 1967 issue of National Geographic magazine. She is writing a book on the Ainu, a Caucasoid people who have lived on Hokkaido for 7,000 years.

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NOVEMBER 17, 1967

LUNDEN PRESENTS
1967 UNIVERSITY
FINANCIAL REPORT

For further information, contact:
NANCY PIRSIG, 373-2126

(FOR IMMEDIATE RELEASE)

Minneapolis---Operating costs of the University of Minnesota for the fiscal year ending June 30, 1967, totaled \$164,094,235.93 for all campuses and stations, according to a summary of financial operations released today by L. R. Lunden, vice president for business administration. Of this total, the State of Minnesota provided 31 per cent.

In addition to its operating expenses, the University paid out \$21,607,235.95 for the construction and remodeling of buildings and the purchase of land. In the 12-month period, to meet construction costs, the sum of \$8,810,334.00 was withdrawn from funds appropriated by the State Legislature for that purpose.

Largest operating outlay, Lunden reported, was the \$46,151,184.32 spent for the instruction of students at collegiate level and for departmental research on all campuses. An additional \$21,270,631.48 was expended for organized activities relating to instructional departments such as University Hospitals and libraries. Budgeted and sponsored research expenditures amounted to \$35,344,746.29. The cost of extension and public service activities such as the General Extension Division, Agricultural Extension Service and the Minnesota Museum of Natural History totaled \$14,423,093.40.

The University's overall operating costs were \$164,094,235.93 while transfers, increases in obligations and other adjustments added \$5,197,986.05 for a total of \$169,292,131.98, Vice President Lunden pointed out. Of this total, the State of Minnesota provided \$50,766,890.41 or 30 per cent. State support funds consisted of the legislative maintenance appropriation of \$43,196,102.00, a special appropriation of \$2,303,171.93 (\$1,125,755.02 of which was charged to the counties) for the care of indigent patients at University Hospitals and a legislative allotment of \$6,393,371.50 for special projects carried on by the University for the general benefit of Minnesota's citizens.

(MORE)

These "special projects" include agricultural extension work and research, business and economic research, medical research, operation of the Minnesota Rehabilitation Center, the Child Psychiatric Hospital, the Multiple Sclerosis Clinic, the Institute of Child Development, the schools of agriculture student aid fund, and several others.

Sources of the University's operating income other than the state, the report indicates, are appropriations from the federal government, \$3,942,325.74; student tuition and fees, \$16,389,611.68; self-supporting auxiliary enterprises, \$24,117,422.96; trust funds, \$46,061,698.41, of which \$36,954,697.42 represents federal contracts and grants; and intercollegiate athletics, \$1,575,346.90.

Income from intercollegiate athletics included \$1,402,511.44 from the Minneapolis campus, \$150,285.71 from the Duluth campus, and \$22,549.75 from the Morris campus. Expenditures for the operation of intercollegiate athletics and that part of physical education expenses paid from athletic receipts totaled \$1,652,767.00 for the fiscal year 1966-67. Involved was an outlay of \$1,513,701.01 in Minneapolis \$116,733.70 in Duluth, and \$22,332.29 in Morris.

Other highlights of the report released by Vice President Lunden are as follows:

OVERALL total current fund receipts of the University for the fiscal year amounted to \$169,292,131.98. The free unencumbered balance as of June 30 was \$2,315.59.

EXPENDITURES for building and remodeling and land purchases, totaling \$21,607,235.95, were distributed as follows: Minneapolis campus, \$14,705,279.64; St. Paul campus, \$2,218,184.04; Duluth campus, \$2,487,158.41; Morris campus and station, \$1,448,961.68; outlying schools and stations and off-campus plant, \$747,652.18.

AT THE CLOSE of the fiscal year, the University total endowment fund, including the Permanent University Fund, which amounted to \$47,679,953.70, totaled \$78,320,381.55.

UNIVERSITY-OWNED land as of June 30, 1967, consisted of 17,644.78 acres which cost \$14,588,207.50, while the University's 885 buildings had an estimated value of \$171,755,357.20, representing original cost. University equipment was valued at \$74,746,113.22 and included \$403,882.34 in livestock and \$15,691,553.82 in books and museum collections.

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LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF NOV. 19-26

- Sun. -- Nov. 19 -- Bell Museum Sunday Program---"Aboriginal Ainu People of Japan," color film co-sponsored by National Geographic magazine and department of anthropology. Sister M. Inez Hilger, Smithsonian Institution, will narrate. 3 p.m., museum auditorium. Free.
- Sun. -- Nov. 19 -- University Gallery: "Alan Davie: Paintings and Watercolors;" through December. Northrop auditorium galleries open 2-5 p.m. Sundays, 8 a.m.-4 p.m. weekdays. Free.
- Sun. -- Nov. 19 -- Annual concert, University Marching Band; program of music played during football season. 4 p.m., Northrop auditorium. Tickets at door.
- Sun. -- Nov. 19 -- Student-faculty chamber recital; 4 p.m., Mayo auditorium. Free.
- Sun. -- Nov. 19 -- University Theatre: Initial play in Experimental Series--- "Cain," final performance, 3:30 p.m., Shevlin Arena theatre. Tickets.
- Mon. -- Nov. 20 -- Lecture: A. L. Basham, author of "The Wonder That Was India," speaking on "Indian Culture as Seen Through Its Great Epic, 'The Ramayana,'" 8 p.m., Murphy auditorium. Free.
- Tues. - Nov. 21 -- "Explorations in Jazz" series: Today's lecture-demonstration, "Counter-point and Form in Jazz;" 1:15 p.m., Coffman Union main ballroom. Tickets.
- Tues. - Nov. 21 -- Space Science Colloquia: This week's lecture, "The Lunar Surface," by Robert Collins, head of electrical engineering, project "TYCHO," U of M. 4:15 p.m., 131 Physics. Free.
- Tues. - Nov. 21 -- Special lecture: Prof. Norman K. Denzin, sociology, University of Illinois, speaks on "Deviant Subcultures Among College Students;" 3 p.m., Room 10 Blegen hall, West Bank area. Free.
- Tues. - Nov. 21 -- University Film Society: "Portrait of Jason;" Miss Shirley and
Clarke, director, will introduce the film in person at the
Wed. -- Nov. 22 -- 8 p.m. Tuesday performance in Coffman Union main ballroom.
Shown at 8 p.m. Wednesday in Bell museum auditorium. Tickets.
- Wed. -- Nov. 22 -- University Theatre: Opening---"Pajama Game," musical comedy: book by Abbott and Bissell, music and lyrics by Adler and Ross; through Saturday, 8 p.m. Scott hall auditorium. Tickets.
- Thurs.- Nov. 23 -- Thanksgiving Day holiday. No classes.
- Fri. -- Nov. 24 -- University Film Society: Thanksgiving weekend. No program.

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UNIVERSITY OF MINNESOTA LECTURE SHORTS

(FOR IMMEDIATE RELEASE)

INDIAN CULTURE
TOPIC FOR PRESENTATION

"Indian Culture as seen through its great epic, 'The Ramayana,'" will be presented by A. L. Basham at 8 p.m. Monday (Nov. 20) in Murphy hall auditorium, University of Minnesota.

Basham is a professor at Australian National University and is currently a visiting professor at the University of Pennsylvania. He is the author of "The Wonder That Was India." His presentation here will include recitations of his own translation of "The Ramayana." His appearance is sponsored by the South Asia Center.

DENZIN TO DISCUSS
'DEVIANT SUBCULTURES'

Professor Norman K. Denzin of the University of Illinois sociology department will speak at 3 p.m. Tuesday (Nov. 21) in 10 Blegen hall, West Bank, University of Minnesota. "Deviant Subcultures Among College Students" will be his topic. The lecture, open free to the public, is sponsored by the University of Minnesota sociology department and the department of concerts and lectures.

-U N S-

UNIVERSITY AMONG NATION'S
LEADERS IN COMPUTER USE
FOR RESEARCH AND EDUCATION

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 17, 1967

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

The University of Minnesota is at the national forefront in the use of computers for educational and research projects, according to Professor Marvin L. Stein, director of the University Computer Center.

Stein led the University's Board of Regents through the Computer Center's major facility in Lauderdale today (Nov. 17). The Regents held their monthly business meeting in the facility, which is about midway between the Minneapolis and St. Paul campuses, and then viewed a huge Control Data 6600 computer and a hybrid computer which are housed there.

The acquisition in February of the 6600 computer, which is the biggest and fastest digital computer on the market, was in keeping with a University tradition of operating the most capable computer available, Stein said.

The hybrid computer---consisting of two analog computers built by Electronic Associates, Inc., and a small Control Data 1700 digital computer---also was added this spring, further increasing the Computer Center's service capability.

The hybrid computer eventually will be moved to the Space Science Center, which is under construction on the Minneapolis campus. The 6600 is connected to the campus by telephone, so that it can be operated by remote control from the Experimental Engineering building.

These computers are available for use by students and faculty members in every department in the University.

Titles of the approximately 1,000 projects authorized for computer processing range from "Atrazine" to "ZU-Centrifugation System," with the heaviest loads coming from the physical sciences and mathematics.

The Computer Center provides classes, lectures and individual consultation for researchers who use the computers, but Computer Center personnel do not program the researchers' problems.

"The computation is part of the research," Stein said. "We try to prepare the person to do his own problem. In a university, this is the best approach."

(MORE)

In addition to the several undergraduate courses available, a new program in computer science for graduate students was begun this fall.

The University's use of computers for educational projects began in 1949 with the purchase of an analog computer and the lease of some tabulating equipment. These became obsolete in the early 1950s when digital computer technology developed rapidly.

The University received a gift of time on a Univac 1103 computer from 1955-57. This limited access to the computer did not fulfill the needs, however, so in 1958 the University purchased an 1103 computer and set up the Numerical Analysis Center (now the Computer Center) under the direction of Professor Stein. The University advisory committee on computer facilities also was established at that time.

Within a short time, the demand on the new computer was such that it was operating 24 hours a day, seven days a week, and the backlog of work was growing. Using funds from a National Science Foundation (NSF) grant, the State Legislature and the University, the Numerical Analysis Center purchased a larger Control Data 1604 system in 1962. This system was about 10 times faster, fundamentally, than the 1103.

By the summer of 1965, this computer was in use on a 24-hour-a-day, seven-day-a-week basis and the handling of large problems became impractical.

The Numerical Analysis Center then leaped ahead by obtaining the 6600 and the hybrid system. The 6600 cost \$3,439,900, with approximately one-third coming from University funds and two-thirds from outside grants. Cost of the hybrid system was approximately \$500,000, with the NSF contributing \$400,000 and the Space Science Center, the Institute of Technology and the Graduate School paying the balance.

"This put us right in with the current philosophy and way of doing things," Stein said. "We're right in with the leaders."

He pointed out that although all of the nation's big atomic energy laboratories use 6600s, only two other universities currently have them.

Stein said the 6600 can process problems from 10 to 30 times faster than the 1604, depending on "the mix of problems and the type of problems." He said the throughput on the 6600 is now averaging 14 or 15 times greater than it was on the 1604 and that the throughput will average 20 times greater when the programs for the machine take full advantage of the available speed of the electronic circuits.

The value of this speed became apparent when Stein pointed out that one of the longest problems done so far on the 6600 took 45 minutes to run. This would have taken at least 10 hours on the 1604.

"It is unlikely that we would have done a 10-hour problem on the 1604," Stein said. "Because of the great demand for computer time, we couldn't have let one problem run that long without interruption. It might have taken a month to complete it."

"The work is here for the biggest and best computer available," he added. "We aren't just doing the same problems faster---we are doing new things that we never did before."

The hybrid computer gives the University a unique facility for solving simulation problems, according to John Munson, manager of the hybrid computing laboratory in the Computer Center. Using the two types of computers together eliminates some manual operations and combines the speed of the analog computer with the accuracy of the digital computer.

Munson said that when the hybrid computer is moved into the Space Science Center, facilities are contemplated for on-line connections to various laboratories within the center so that equipment can be connected with the computer for collection of experimental data as the experiment progresses. This is much faster than recording the data manually and then feeding it into the computer.

"Our purpose is to provide a University-wide service in computer science," Stein said. "We must provide the kind of service which contributes to a person's education. Thus we are quite different from the computer centers you see in industry. Our overriding objectives have to be educational."

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For further information, contact:
JEFF CARRUTHERS, 373-2126

U CHEMIST WORKING
ON DRUGS TO COMBAT
NEW MALARIA STRAIN

(FOR IMMEDIATE RELEASE)

A soldier in Vietnam swats a mosquito and an organic chemist at the University of Minnesota synthesizes new chemicals. In their own way, both are fighting a new virulent strain of malaria that is causing sickness, and sometimes death, in Southeast Asia.

The mosquitoes carry the Plasmodium falciparum type of malaria. Professor Wayland E. Noland, acting chairman of the University chemistry department, is developing new methods for making compounds that could become new antimalarials effective against the falciparum strain.

The U. S. Army Medical Research and Development Command and the Walter Reed Army Institute of Research have awarded Noland a \$35,000 contract to produce these new chemicals. They will then be tested for their effectiveness against the new malaria strain.

Noland explained that after World War II, with some very good anti-malarial drugs available, very little research in this field was needed. But the military engagement in Vietnam has uncovered a strain of malaria that is resistant to most of these drugs. The remaining effective compounds offer only limited protection.

Noland will produce antimalarial compounds similar to chloroquine, amodiaquine and sontoquine (all known protectors against other strains of malaria). Sontoquine, for example, was first used by the French in North Africa and is the least active of the three.

(MORE)

These drugs are complex ring-structured organic compounds. Variations in the basic structure and the addition of chains of certain molecules to the basic structure make them active antimalarials. No one knows exactly how they work, but they do.

Thus, university chemists like Noland throughout the United States are trying to make new compounds that are very similar to but slightly different from known antimalarials. The difference might be as little as one atom or as much as a long, complex molecular chain.

Noland said his major interest lies in producing the basic nucleus of such chemicals, with slight structural variations, by a new method. A known chemical side-chain with antimalarial properties will be added to all basic compounds Noland produces. These potential antimalarial chemicals will be sent to Walter Reed Army Institute of Research for testing.

Noland's new method for making these complex organic compounds is based on a ring-expansion technique. An easily produced five-ringed chemical is expanded to a more complex six-ringed structure which in turn is only a few simple steps away from actual antimalarial compounds.

Rings are one of the basic building blocks of organic compounds, so named because their constituent molecules or atoms are joined in a circle or ring.

Noland's new method, which produces quinoline-type chemicals, allows the chemist to make small structural changes in these chemicals which potentially could mean the difference between a weak and very active drug as well as between a non-active versus an active compound.

The process of making such chemicals is long and complex, involving many reactions. Noland hopes to produce 10 chemicals during the one-year period of the grant (June 1967 through August 1968). Each of these compounds will take approximately six months to manufacture.

Once the basic chemicals are made and the antimalarial side-chain routinely added, about three grams (about one-tenth of an ounce) of the resulting chemical will be mailed for testing. The actual biological testing is done, by contract, at the University of Miami.

Chemical samples from intermediary steps in the process also will be sent. If one of the chemicals proves satisfactorily active against the new malaria strain, these additional samples may help in determining the exact point at which the chemical becomes active and possibly why it is effective.

Noland has an international staff of postdoctoral students acting as research specialists and helping manufacture the compounds. They are Kung Tu Kuo (Ph.D. from Kyoiku University, Tokyo, Japan), a native of Taiwan; Mohammed Akram Sandhu (Ph.D. from the University of Strathclyde, Glasgow, Scotland) from Pakistan; and S. Y. Ambekar (Ph.D. from Karnatak University, Dharwar, India) from India. Ambekar will arrive at the University on Dec. 1.

Terrence R. Asha, an Institute of Technology junior at the University, is an undergraduate research assistant who will make preliminary compounds that the research specialists will use in their work. Mrs. Donna S. Bahls, a senior chemistry major, is a parttime undergraduate research assistant who also will make preliminary compounds.

Noland said that the actual manufacturing of the chemicals is just beginning. One compound has been produced and more chemicals will be finished next year.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 20, 1967

For further information, contact:
JUDY VICK, 373-2126

DAVID LEIGHTON
TO PLAY
PIANO RECITAL

(FOR IMMEDIATE RELEASE)

David Leighton, a freshman music student at the University of Minnesota, will play a piano recital at 3:30 p.m. Sunday (Nov. 26) in Scott Hall on the Minneapolis campus.

The program will include Toccata, C Minor, Bach; Sonata, Opus 110, Beethoven; Polonaise, F# Minor, Opus 44, Chopin; Berceuse, Opus 57, Chopin; Scherzo, C# Minor, Opus 39, Chopin; Intermezzo, E Minor, Opus 4, Schumann; Intermezzo, B Minor, Opus 4, Schumann; Prelude, G# Minor, Opus 32, No. 12, Rachmaninoff, and Gardens in the Rain, Debussy.

Leighton is a student of Bernhard Weiser, professor of music at the University. The recital, sponsored by the music department, is open free to the public.

-U N S-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 21, 1967

For further information, contact:
JUDY VICK, 373-2126

CARLSON, MRS. MCKINLAY
TO RECEIVE 'U'
ACHIEVEMENT AWARDS

(FOR IMMEDIATE RELEASE)

Two leading Minneapolis citizens will receive the University of Minnesota's Outstanding Achievement Award at the ninth annual meeting of the College of Liberal Arts and University College Alumni Association Thursday, Nov. 30, in the Campus Club, Coffman Union. A 6 p.m. social hour will be followed by dinner at 7 p.m.

University President Malcolm Moos will present the awards to Curtis L. Carlson, president and chairman of the Gold Bond Stamp Co., and Mrs. Kathryn Thorbus McKinlay, former president of the Career Clinic for Mature Women, Inc.

Carlson, a Minneapolis native, graduated from the University of Minnesota in 1937 with a bachelor of arts degree in economics. In 1937 he founded the Gold Bond Stamp Co., which has become one of the world's largest trading stamp firms.

Carlson is chairman of the board and president of the Gold Bond Company, the Premium Corporation of America, Gift Stars, Inc., the Radisson Hotel and the Minneapolis Industrial Park, Inc. He is president and a board member of Gold Bond Company Ltd. (Canada), Commonwealth Premium Company Ltd. (Canada), Nova Scotia Gold Bond Ltd., Toronto Gold Bond Ltd., Western Gold Bond Ltd., and Naegle Outdoor Advertising Co. operations in Omaha, Neb.; Duluth, Minn.; Akron and Youngstown, Ohio, and Indianapolis, Ind. He is vice president and director of Lamar Dean Outdoor Advertising Co., Inc.

(MORE)

Carlson founded the Trading Stamp Institute of America, served as its president in 1959, and currently is a member of its board of directors. He also serves on the board of directors of the Marquette National Bank; Bank Shares, Inc.; Apache Corp.; Minnesota Enterprises, Inc.; North Star Center, Inc.; North American Life and Casualty Co., and Performance Incentives Corp. He is a member of the Board of Trustees of the University of Minnesota Foundation, a member of the executive committee of the Minneapolis Chamber of Commerce, and a director of Fairview Hospital, Boys' Club of Minneapolis and the Marvelous Minnesota committee.

Carlson's wife is the former Arleen Martin. They live at 4907 Sunnyside Road, Edina. They have two married daughters.

Mrs. McKinlay, born in Sparta, Wis., graduated from the University of Minnesota in 1921 with a bachelor of arts degree in sociology and English. She is the wife of a retired Minneapolis physician and University associate professor of clinical medicine, Chauncey A. McKinlay. They have two sons and a daughter. Their home is at 5125 Emerson ave. S., Minneapolis.

Mrs. McKinlay, who is listed in the first and subsequent editions of Who's Who in American Women, served as the first president of the Career Clinic for Mature Women, Inc. from 1960 to 1965 and now is a member of the board of directors. The clinic was organized to train older women who want to enter, or reenter, the labor market.

She was president of the Minnesota Alumnae Club from 1942 to 1944.

As a member of the Westminster Foundation Corporation at the University of Minnesota she was chairman of the building and furnishings committee for the new Presbyterian Student Center on the University's Minneapolis campus from 1956 to 1958. She served on the board from 1947 to 1959.

Mrs. McKinlay was president of the Minneapolis Presbyterial Society from 1943 to 1947 and was president of the Minnesota Council of United Church Women from 1949 to 1953. She was a member of the first executive committee of the National United Church Women from 1950 to 1953 and a member of the Board of Trustees of the Minnesota Council of Churches from 1949 to 1959.

Through the years Mrs. McKinlay has been locally active in the congregations of Andrew and Westminster Presbyterian Churches. She is the author of a 75-year history of Andrew Presbyterian Church and "Our Story," a 112-page history of the Minnesota United Church Women's first 30 years, published in 1966 by the Minnesota Council of Churches.

Mrs. McKinlay was president of the local Young Women's Christian Association board of directors from 1957 to 1960 and served on its board of directors until early this year.

She served on the national council of Alpha Xi Delta from 1947 to 1949.

She is a member of the University of Minnesota Faculty Women's Club, the Minnesota Republican Workshop, Women's Association of the Minneapolis Symphony Orchestra, the Minnesota International Center, the PEO Sisterhood, the Woman's Club of Minneapolis, the Minneapolis Society for the Blind, the Medical Auxiliary of Hennepin County, the Minnesota Association for Mental Health and the American Association of University Women. (She was named an AAUW "Woman of Distinction" in 1956.)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 21, 1967

For further information, contact:
DORIS FENICK, 373-2126

UNIVERSITY SERVICES
DEPT. ADDS 2 DIRECTORS

(FOR IMMEDIATE RELEASE)

Minneapolis---Two new directors of the University Services department of the University of Minnesota---the multi-million dollar "housekeeping" unit of the University---were appointed by action of the Board of Regents at the Nov. 17th meeting.

Named director of University Food Services was Robert E. Ledder, 5409 Chantrey rd., Edina, who came to the University position from the Dayton Company, Minneapolis, where he had directed that organization's food operations since 1959. He will assist James H. Felber, current director, until Felber's retirement July 1, 1968.

Director of technical services is Roger A. Moe, 2124 Folwell st., Falcon Heights. Currently his duties include administration of the Scientific Apparatus service, the Glass-Technology service and the Office Equipment Rentals service.

Moe's is a new position in University Services, according to C. Luverne Carlson, director of the department, and the duties will be expanded as needs arise.

The food service position includes responsibility for the administration and management of the food facilities in Coffman Union, Nolte Center, Shevlin hall, the St. Paul Dining Center and the St. Paul Student Center Snack Bar.

Current and future plans for the food service include extensive redecoration and redesigning of existing facilities on the Twin Cities campuses, revision of menus, and extension of vending-machine service, Carlson said. Now being planned are vending-service facilities for Anderson hall (on the West Bank) when that building is opened during the winter quarter.

(MORE)

Ledder, a native of Rochester, Minn., received his bachelor of arts degree in hotel and restaurant management from Cornell University, Ithaca, N.Y., and, in addition to his work at Dayton's, has directed the food operations for the Kahler Corp., Rochester, and was assistant to the vice president of the Eastern chain of restaurateurs, Stauffer Food, Inc.

A native of Willmar, Moe received an electrical engineering degree from the University. He came to the University from the position of vice president for administration and programs of the Te' Co., Santa Barbara, Calif., an optical research branch of ANSCO. Preceding that, he was with the Santa Barbara Research Center and was manager of West Coast programs for RCA.

As director of technical services for the University, Moe will supervise and administer technical support programs for research (such as fabrication of new heart valves) and work with researchers in designing and fabricating new technical equipment and modifying and repairing existing units.

His work with the Glass-Technology service will coordinate the making of equipment for the University Hospitals, the departments of medical research, and other research-oriented departments.

With the Office Equipment Rental service, he will be in charge of rentals of such office equipment as typewriters, adding machines and calculators for short-terms needs of University offices and departments.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1967

For further information, contact:
JUDY VICK, 373-2126

NORTON TO PLAY
PIANO RECITAL
IN SCOTT HALL

(FOR IMMEDIATE RELEASE)

Works by Bach, Beethoven and Brahms will be presented in a piano recital by Mark Norton at 8 p.m. Wednesday, Dec. 6, in Scott Hall auditorium, University of Minnesota.

Norton, a junior at the University, is a student of Bernhard Weiser, professor of music.

The recital, open free to the public, is sponsored by the University music department.

The program is as follows:

Chromatic Fantasy and Fugue Bach
Sonata, Opus 53 Beethoven
Capriccio, B Minor, Opus 76, No. 2 Brahms
Capriccio, C Major, Opus 76, No. 8 Brahms
Scherzo, C# Minor, Opus 39 Chopin
Diabolical Suggestions Prokofieff
Nocturne, Opus 33, No. 2 Faure
Isle Joyeuse Debussy

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 22, 1967

UNIVERSITY OF MINNESOTA LECTURE SHORTS

(FOR IMMEDIATE RELEASE)

CHOW CHING-WEN
TO DISCUSS
'COMMUNIST CHINA'

Chow Ching-Wen, who formerly worked with the Communists in China, will speak Monday (Nov. 27) at 1:15 p.m. in room 320 Coffman Union, University of Minnesota. "Communist China Today" will be his topic. The lecture is open free to the public.

Chow, a former president and dean of laws at China's Northeast University, was a leader of the China Democratic League which aligned itself with the Communists in the mid-40's. In 1956, Chow disassociated himself from the Communists and moved to Hong Kong where he now lives and works as an editor. He heads the Continental Research Institute which serves as a principal source of information on Mao's regime.

TULANE PROF
TO SPEAK HERE

Edward Bilodeau, psychology professor at Tulane University, New Orleans, La., will deliver the third Center for Research in Human Learning Colloquium lecture Thursday (Nov. 30) at 4 p.m. in 155 Ford Hall, University of Minnesota. "Associative Structures in Word Association Norms" will be the topic of his talk.

The lecture, free and open to the public, is sponsored by the University Center for Research in Human Learning and department of concerts and lectures.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1967

For further information, contact:
BETH KENT, 373-5166

KUOM TO BROADCAST
READINGS OF VOLTAIRE,
W. C. FIELDS

(FOR IMMEDIATE RELEASE)

"Candide," the caustic satire on 18th-century philosophy and mores written by Voltaire in 1759, will be dramatized over University of Minnesota radio KUOM (770 kc) beginning Monday (Nov. 27).

The program, part of KUOM's "Your Novel" series, will be broadcast each weekday through Tuesday, Dec. 5, from 1 to 1:30 p.m.

University theatre students, under the direction of McKnight fellow Bruce McConachie, act in the principal roles. Cyndy Simon is the narrator, Mark Donicht plays the part of Candide, Linda Kelsey plays Cunegonde, and John Allee is Pangloss.

Harpsichord music of 17th-century composer Jean Phillippe Rameau will be played in the background.

"W. C. Fields for President," a book written by the famous movie comedian, will be featured on "Your Novel" Dec. 6-8. Nick DeJoria, master of fine arts candidate in the department of speech, communication and theatre arts, reads the book and plays the part---complete with imitation--- of W. C. Fields.

KUOM is an educational service of the University's General Extension Division.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1967

For further information, contact:
GLENN ICKLER, 373-2126

PROF. I. M. KOLTHOFF
TO BE FIRST RECIPIENT
OF KOLTHOFF GOLD MEDAL

(FOR IMMEDIATE RELEASE)

I. M. Kolthoff, University of Minnesota professor emeritus of analytical chemistry, will be the first recipient of the Gold Medal in Analytical Chemistry to be awarded by the American Pharmaceutical Association's Academy of Pharmaceutical Sciences, of which he was made an honorary member.

Kolthoff, whose extensive research in analytical and physical chemistry includes the development of synthetic rubber, will receive the medal and a \$1,000 honorarium at the academy's annual meeting on Sunday (Nov. 26) in Washington, D. C.

The award will be named the Kolthoff Gold Medal and will bear a likeness of the professor. The medal will be presented biennially to an outstanding contributor to the basic discipline of analytical chemistry or to applications related to pharmaceutical analysis. The CIBA Pharmaceutical Co. is sponsoring the award.

The medal will be presented at a 6:30 p.m. dinner by Takeru Higuchi, past president of the academy. Kolthoff will speak on "The Medalist as Pharmaceutical Scientist."

Kolthoff's main topics of research have been concerned with potentiometry; conductometry; polarography; theory and application of indicators; acid-base equilibria and titrations in aqueous and non-aqueous media; formation, properties and aging of precipitates; adsorption; coprecipitation; postprecipitation and induced reactions.

(MORE)

Kolthoff, 73, joined the University faculty in 1927 as professor and chief of the division of analytical chemistry. He retired from teaching in 1962 but has continued his research at the University.

In 1942 he was named director of research on the University of Minnesota project for the preparation of synthetic rubber and on the fundamentals of emulsion polymerization. The project was sponsored by the Office of the Rubber Director, and later by the Reconstruction Finance Corp.

Kolthoff's extensive research on the emulsion polymerization process provided a key step in the manufacture of synthetic rubber.

He also was a pioneer in the development of the polarograph, a versatile instrument in electrochemistry and especially in electroanalytical chemistry.

Kolthoff currently is working on research projects involving non-aqueous solvents, a polarographic method of detecting cancer in blood cells and on polymerization. He is editing a 30-volume "Treatise of Analytical Chemistry" and has been working for about two years on a revised (the fourth) edition of the textbook he co-authored in 1936.

His work with solvents involves studying the chemistry in non-aqueous solvents and making new analytical applications in these solvents.

The cancer detection research dates back to 1940, when Kolthoff began investigating a method originating in Czechoslovakia. Kolthoff said the method has some merits but is still too complicated for clinical use.

Kolthoff has continued to work on polymerization since the invention of synthetic rubber. Together with Professor E. J. Meehan, co-director of the rubber research, Kolthoff is now studying the chemistry of extremely unstable molecules, called free radicals, with the support of a National Science Foundation grant.

He is past president of the Section on Analytical Chemistry of the International Union of Pure and Applied Chemistry, a past vice president of the Union and a past chairman of the Commission on Electroanalytical Chemistry of the Analytical Division of the IUPAC. He was chairman of the National Research Council Committee on Analytical Chemistry from 1950 to 1963.

Kolthoff won the Nichols Medal for world leadership in the analytical field in 1949, the Fisher Award in Analytical Chemistry in 1950, the Minnesota Award of the American Chemical Society in 1960, the Anachem Award in 1961 and the Willard Gibbs Medal Award in 1964.

In 1964 he was the recipient of the Polarographic Medal at an International Polarographic Congress in Southampton, England, and in 1967 he received the Hanus Medal of the Czechoslovak Chemical Society. He was the Joseph Priestley Lecturer at Pennsylvania State University in 1966.

Kolthoff is a member of the National Academy of Sciences and of the American Academy of Arts and Sciences; a foreign member of the Czech, Flemish, Netherlands and Portuguese Academies of Sciences and an honorary member of eight foreign chemical societies.

In 1955 he received an honorary doctor of science degree from the University of Chicago and in 1964 he was given an honorary doctor of science degree from the University of Groningen, the Netherlands.

He is an honorary professor of San Marcos University in Lima, Peru, and of the National University of La Plata, Argentina. The Netherlands government knighted him a Commander in the Order of Oranje-Nassau in 1947.

Kolthoff is the author or co-author of nine books and some 850 publications.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MERRILL HALL
MINNEAPOLIS, MINNESOTA 55455
OCTOBER 23, 1967

NEWS SERVICE

For further information, contact:
DORIS FENICK, 373-2126

ATTAR OF ROSES
MAY SWEETEN UNIVERSITY
FOOTBALL AWARDS CONVO

(FOR IMMEDIATE RELEASE)

As this is being written the day before the Minnesota-Wisconsin game, no one knows whether the main ballroom in Coffman Union will be a rose-decorated madhouse Wednesday (Nov. 29), when the annual football awards convocation is held there at 11:15 a.m., or whether it will be "just another day."

Should the Gophers be Rose Bowl bound, bedlam will reign supreme.

Coach Murray Warmath, members of the 1967 football team, the University Marching Band, the Gopher and the pom pon girls and cheerleaders of the Pep Squad all will be there, no matter what the final score on Saturday reads.

Albert Heimbach, state and national president of the Minnesota Alumni Association, will be there, as will Professor Eugene P. Pfleider, member of the University Senate Committee on Intercollegiate Athletics, who will present the awards to the team.

Captain Tom Sakal will be there. So will the team member to whom Sakal will pass the flaming torch of leadership for 1968.

The Rooter King, Darrell Schaapveld, will be there to name his successor. Bill Newell, Minnesota Student Association president, will be there, as will Marsh Ryman, University athletic director.

Will the crowds be there too?

--UNS--

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 24, 1967

'UNREST IN EDUCATION'
TOPIC FOR ANNUAL
SCHOOLMEN'S DAY

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

"Teacher and Student Unrest in Education" is the topic for the annual Schoolmen's Day, Thursday (Nov. 30), in Minneapolis.

Some 400 elementary and secondary school and college administrators will meet at the Holiday Inn Central for an all-day program sponsored by the University of Minnesota College of Education department of educational administration and the State Department of Education.

Causes and effects of unrest in education will be discussed by Martin Mayer, author of "The Schools," published in 1961; Myron Lieberman, author of "Collective Negotiations for Teachers," published in 1966; Donald K. Smith, associate vice president of the University of Minnesota and author of several books on speech education; and Edgar Z. Friedenberg, author of "Coming of Age in America," published in 1965, and "Society's Children," published in 1967.

John B. Davis, Jr., Minneapolis public schools superintendent, will preside at the opening session at 9 a.m. Thursday. The group will be greeted by Duane J. Mattheis, state commissioner of education.

Mayer will speak at the opening session on "What Have You Done For Us Lately?" Mayer has authored---in addition to "The Schools"---"The Experts," "Madison Avenue, USA," "A Voice That Fills the House," "Wall Street: Men and Money," and "Social Studies in American Schools." The last was based on his work as a consultant to the American Council of Learned Societies. Since 1965 he has been director of a study of international secondary education for the 20th Century Fund.

His articles on education, business, television, music, law and other subjects have appeared in Harper's, Saturday Evening Post, TV Guide, Better Homes and Gardens, Life, The New York Times Magazine, Horizon, Musical America, The Reporter and Commentary. From 1962 to 1967 he was chairman of a New York City local school board. Formerly an associate editor of Esquire, he now writes a monthly music column for the magazine.

(MORE)

"School Administration Faces Teacher Militancy" will be the topic of Lieberman's talk at 10:30 a.m. Lieberman is director of educational research and development at Rhode Island College. He is the author of "Education as a Profession" and "The Future of Public Education," in addition to "Collective Negotiations for Teachers." Lieberman received bachelor's degrees in law and education from the University of Minnesota.

Stanley B. Kegler, associate dean of the University College of Education, will preside at the noon luncheon meeting, where "Inquiry and Dissent" will be discussed by Professor Donald K. Smith, University associate vice president for academic administration. Smith is chairman of the All-University Council on Liberal Education, a committee of the faculty Senate. Smith is the co-author of "The Teaching of Speech," "Discussion," "Speech, Debate and Drama," and "Speaking and Listening."

"What Generations Owe Each Other" will be discussed at the 2 p.m. session. A panel of metropolitan-area high school students will exchange comments with Friedenberg, a professor at New York State University. Friedenberg has authored "The Vanishing Adolescent," "Coming of Age in America," "The Dignity of Youth and Other Atavisms," and "Society's Children: A Study of Ressentiment (sic) in the Secondary School."

William M. Ammentorp, assistant professor in the department of educational administration at the University of Minnesota, will preside at the final session.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 24, 1967

For further information, contact:
NANCY PIRSIG, 373-2126

**STUDY FINDS NONPAR BANKING INEFFICIENT;
MINNESOTA, DAKOTAS ARE MAJOR PRACTITIONERS**

(FOR RELEASE THURSDAY, NOV. 30)

Minneapolis, Minn.---"Most checks in the United States circulate at par. A person receiving a par check usually deposits this item in his bank account and receives full credit for the face amount of the check.

"By contrast, a person receiving a check drawn on a nonpar bank and depositing this item in his bank account often does not receive full credit for the face amount of the check...For example, a person who receives a nonpar check for \$25.00 may find that he eventually receives credit for \$24.90."

So starts the introduction of a new book by a University of Minnesota faculty member titled "The Theory and Practice of Nonpar Banking." The author, Paul F. Jessup, is an assistant professor of finance in the School of Business Administration, and formerly was senior economist for the Committee on Banking and Currency of the U. S. House of Representatives. The book is based on a study Jessup carried on for seven months.

"Past discussions on nonpar banking have frequently been general and emotional, and sometimes misleading," Jessup says. "That's why I felt it necessary to do a comprehensive and objective analysis of the practice, using statistical methods where appropriate."

In his study, Jessup notes that in 1965 there were 1,492 nonpar banks in the United States. These banks impose an exchange charge on non-local recipients of their checks. While representing about 10 per cent of the nation's banks, they are generally smaller banks, and their deposits represent only about 2 per cent of the nation's total bank deposits.

Nonpar banks operate in 15 states. (Some states prohibit the practice entirely.) But in those 15 states, they account for 27 per cent of all insured banks. Moreover, in five states---Minnesota, North and South Dakota, Georgia and Mississippi---they account for more than 50 per cent of all insured banks.

(MORE)

The collection of exchange charges has long been a controversial subject. In recent months the Legislatures in Minnesota and Florida passed bills prohibiting the continued use of exchange charges after an interim period of adjustment. This law will affect the 399 nonpar banks that existed in Minnesota in 1966.

In his book, after giving a brief history of the practice of nonpar banking from 1900 to 1964 and an analysis of the size and type of community that these banks typically serve, Jessup explores two important questions: (1) How do nonpar banks differ from similar par banks in such operating characteristics as profitability, sources of revenue and asset structure? (2) How important to the nonpar bank is the revenue brought in by exchange charges and has this importance changed through time?

The final chapter presents Jessup's conclusions. Noting that as far back as 1917 the Federal Reserve Board expressed its hope that in the near future all checks would be paid at full value, Jessup states that there is no reason to believe the practice will end of its own accord.

While nonpar banking has declined considerably over the years, such a decline has come about most rapidly in states where branch banking is widespread.

"However, many of the present nonpar states specifically limit the extent of branch banking, notably Minnesota," he states. "There one finds the largest number of nonpar banks, and this number has increased in recent years.

"Not only does the practice of nonpar banking impose a substantial cost burden on par banks, many of which are located outside the states permitting nonpar banking, but it has other debatable economic consequences...Therefore it is concluded that legislation should be enacted requiring all banks to remit at par--- allowing a reasonable period of time for nonpar banks to adjust to the new situation."

The book, which has 122 pages and sells for \$5.00, is published by Northwestern University Press, Evanston, Ill.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 24, 1967

MUSIC DEPARTMENT
TO PRESENT
CHRISTMAS FESTIVAL

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

A Christmas Festival of music will be presented Monday, Dec. 4, at 1:15 p.m. and again at 8 p.m. in Northrop auditorium, University of Minnesota.

Holiday selections will be performed by the Concert Band Ensemble, Women's Glee Club, Symphony Orchestra, Men's Glee Club, Resident Oratorio Choir and Chamber Singers. The groups will be massed to present a mosaic of Christmas music in the grand finale. The program, open free to the public, is sponsored by the University departments of music and concerts and lectures.

The program is as follows:

Introduction March and Shepherd's Dance
from "Amahl and the Night Visitors".....Menotti
Polonaise from "Christmas Eve".....Rimsky-Korsakov
The University Symphony Orchestra conducted by Richard Fischer

Adoro te devote.....Paul Creston
Psallite.....Praetorius
University Men's Glee Club directed by Jerry Kleinsasser

Liturgical Music for Band.....Martin Mailman
University Concert Band Ensemble directed by Frank Bencriscutto

Ave Maria.....Hovanes
University Women's Glee Club directed by Charles Schwartz

Sleigh Ride.....LeRoy Anderson
University Resident Oratorio Choir directed by Charles Schwartz

Christmas Carols
University Chamber Singers directed by Charles Schwartz

Christmas Triumphal.....arr. by Curtiss Blake
Combined choirs, orchestra and band directed by Blake and Bencriscutto

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
WINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 24, 1967

For further information, contact:
JUDY VICK, 373-2126

JAPANESE PIANIST,
COMPOSER TO PERFORM
AT 'U' TUESDAY

(FOR IMMEDIATE RELEASE)

Toshi Ichianagi, one of Japan's leading contemporary composers and an expert in the field of electronic music, will return to the University of Minnesota Tuesday (Nov. 28) to present a concert-lecture at 11:15 a.m. in Scott Hall auditorium.

Ichianagi, who was born in Japan, studied piano and composition with University professors Bernhard Weiser and Paul Fetler in the mid-40s. He left the University to study at Juilliard School of Music in New York and to study privately with Aaron Copland, Lukas Foss and John Cage.

Following his return to his native country, Ichianagi composed music for Japanese films and television. His compositions have been performed in Japan, North America and Europe.

His orchestral works include "The Field" for Shakuhachi and orchestra, 1966; "Life Music" for orchestra, magnetic tape and electronics sound breaker, 1964-66, and "Activities" for live electronic ensemble and orchestra, 1967. He has composed and published a number of works for chamber groups.

Ichianagi is currently studying electronic music in the United States as the recipient of a grant from the John D. Rockefeller III Foundation.

--UNS--

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 24, 1967

LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS,
WEEK OF NOV. 26-DEC. 3

- Sun., -- Nov. 26--Bell Museum Sunday program: "Camera Adventures in East Africa," illustrated talk by Zacariah Subarsky, associate professor, Minnemath; 3 p.m., museum auditorium. Free.
- Sun., -- Nov. 26--University Gallery: "Alan Davie: Paintings and Watercolors;" galleries in Northrop auditorium open 2-5 p.m. Sundays, 8:30 a.m.-4 p.m., weekdays. Free.
- Sun., -- Nov. 26--Piano recital---David Leighton; 3:30 p.m., Scott hall auditorium. Free.
- Tues., - Nov. 28--Concert-lecture: pianist Toshi Ichiyonagi; 11:15 a.m. Scott hall auditorium. Free.
- Tues., - Nov. 28--"Explorations in Jazz series: final lecture-demonstration, "Jazz--Improvised Legitimate Composition;" 1:15 p.m. Coffman Union main ballroom. Tickets.
- Tues., - Nov. 28--University Theatre: "Pajama Game;" matinee, 3:30 p.m., Scott hall. Tickets.
- Tues., - Nov. 28--Space Science Colloquia: "Meteorite Evidence on the Early Solar System;" by V. Rama Murthy, University associate professor, geology and geophysics; 4:15 p.m., 131 Physics. Free.
- Wed., -- Nov. 29--University Theatre: "Pajama Game;" Scott hall, 8 p.m. daily through Saturday. Tickets.
- Wed., -- Nov. 29--Convocation: Student Assembly for Football Awards; 11:15 a.m., Coffman Union main ballroom. Free.
- Fri., -- Dec. 1---University Film Society: "To Love" (Sweden, 1964); 7:30 p.m., Bell museum auditorium. Tickets.
- Sun., -- Dec. 3---University Theatre: "Pajama Game;" final performance, 3:30 p.m. Scott hall auditorium. Tickets.
- Sun., -- Dec. 3---Bell Museum Sunday program: "Norwegian Polar Bears," a movie and discussion of the museum's current study of this species by Associate Professor Albert Erickson, curator of mammals, and Thor Larson, research associate, University of Oslo, Norway; 3 p.m., museum auditorium. Free.

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For further information, contact:
BETH KENT, 373-5166

SALES AND PROPERTY TAX LAWS
TO BE SUBJECT OF LEGAL INSTITUTE

(FOR IMMEDIATE RELEASE)

Developments affecting the new Minnesota sales and property tax laws will be discussed at the 27th Annual Tax Institute, to be held Dec. 8-9 at the Radisson Hotel in Minneapolis.

The program, open only to Minnesota lawyers, is presented by the department of continuing legal education of the University of Minnesota General Extension Division and the Minnesota State Bar Association.

Special aspects of the sales tax law to be covered include interpretations of the occasional sale, the sale of property for use outside the state, sales of drugs and medicines, and exemptions for industrial processing. In addition, problems will be considered which involve contracts entered into during the transitional period for delivery following Aug. 1, sales by and to contractors, and sales to government and charitable organizations.

Discussion of the property tax law will focus on the function and administration of the property tax relief fund, exemptions from the property tax created by the 1967 laws, and the determination of market value and of adjusted market value of real and personal property for such purposes as assessment.

Other topics which will be considered during the one-and-a-half-day program are federal income tax of employment fringe benefits, the current status of pension plans for the incorporated law firm, and plans for the self-employed lawyer under H. R. 10.

(MORE)

Jerome J. Sicora, assistant attorney general for the Minnesota Department of Taxation, will deliver the lecture dealing with the administration of the Minnesota sales tax. His talk also will include details of some significant departmental interpretations of the law.

Other speakers on the program include the following Twin Cities lawyers: Gustav A. Larson, William B. McCallum, Neil S. Kurlander, Rolfe A. Worden, Earl F. Colborn, Jr., Alvin S. Malmon, Richard N. Flint, John G. Mutschler, Theodore Giannobile, and Stanley Efron.

Fee for the institute is \$25 if received by Dec. 7, and \$30 if received after that date. The amount includes tuition, coffee breaks, and a copy of the 27th Annual Tax Institute manual.

A special feature of the manual is an appendix which contains an up-to-date compilation of all the rulings of the sales tax division, Department of Taxation, and the opinions of the attorney general relating to the sales tax law. This is the only readily accessible source of these rulings and opinions available to Minnesota lawyers.

To register, contact Continuing Legal Education, 338 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455.

Late registration will be conducted at the Radisson Hotel from 8 to 9 a.m. on Dec. 8.

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POLAR BEAR STUDY
HIGHLIGHTS DECEMBER MUSEUM
SUNDAY PROGRAM SCHEDULE

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

Two men who spent last summer chasing polar bears across the Arctic ice pack will discuss their work and show films and slides Sunday (Dec. 3) at the University of Minnesota.

Associate Professor Albert Erickson, Bell Museum of Natural History curator of mammals, and Thor Larson, University of Oslo (Norway) research associate, will present the museum's free Sunday program at 3 p.m. in the museum auditorium. The program is entitled "Norwegian Polar Bears."

Erickson and Larson have been studying polar bear life habits for the Norwegian government for the past two years. Using a capture gun with tranquilizers, they caught, marked and released 51 polar bears last July and August in the Spitzbergen area.

Traveling aboard a 95-foot chartered sealing vessel, Erickson and Larson searched the loose ice pack for bears. Some they stalked, some they pursued on foot in chases that took up to four hours and some they cornered on ice pans and took aboard the boat.

The two naturalists will discuss the current status of the polar bears and the whys and wherefores of their study, in addition to showing slides of capturing bears, marking bears and taking blood and milk samples from bears.

Other free Sunday programs in December will be:

* "Iceland's Volcano Surtsey" by Assistant Professor Robert Bright, Bell Museum curator of paleontology, at 3 p.m. Dec. 10. Bright will show films of a recent volcano eruption in Iceland and discuss the origin of volcanoes and volcanic features.

* "Birding Safari in New Zealand" by Mr. and Mrs. Whitney Eastman, of Edina, at 3 p.m. Dec. 17. They will give an illustrated talk about the unique fauna and flora of New Zealand.

There will be no programs on Dec. 24 and Dec. 31.

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(FOR IMMEDIATE RELEASE)

5 FACULTY TO EXHIBIT
AT WEST LAKE GALLERY

Five University of Minnesota art faculty members will participate in the annual Christmas exhibit which opens Wednesday (Nov. 29) at the West Lake Gallery, 1612 West Lake st., Minneapolis. They are Malcolm Myers, professor and chairman of the studio arts department; Walter Quirt, professor, studio arts; Peter Busa, professor, studio arts; Ralph Brown, art education department; and Cameron Booth, lecturer emeritus, art department.

The show continues through Dec. 29. Hours are from 10 a.m. to 5:30 p.m., Tuesday through Saturday.

DR. ROBERT GOOD
RECEIVES MEDAL

Dr. Robert Good, professor of pediatrics and microbiology at the University of Minnesota, has been honored by the American Clinical and Climatological Society for his outstanding contributions to medical science. Dr. Good received the society's Gordon Wilson Medal and Lectureship at its annual meeting recently in Virginia. Dr. Good presented a summary of the extensive work he has done on immunology.

DEAN ZIEBARTH ELECTED
TO NATIONAL BOARD

E. W. Ziebarth, dean of the University of Minnesota College of Liberal Arts, recently was elected to a three-year term as a member of the board of directors of the National Council of Arts and Sciences. He also was reelected to a three-year term as a commissioner on the National Commission of Arts and Sciences. The elections took place at recent meetings of the council and commission in Columbus, Ohio.

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STUDENTS TO PERFORM
IN PIANO RECITALS
AT SCOTT HALL

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

Two students of University of Minnesota Music Professor Bernhard Weiser will be presented in piano recitals next week in Scott Hall on the Minneapolis campus.

The recital by Dennis Johnson, a junior music education major from Warren, Minn., will be presented at 8 p.m. Tuesday (Dec. 5). Larry Scully, a sophomore music major who lives at 3936 Minnehaha ave., Minneapolis, will perform at 8 p.m. Friday, Dec. 8. Both programs, open free to the public, are sponsored by the University departments of music and music education.

The program for the Johnson recital is as follows:

Toccatà, E MinorBach
Sonata, F Major, K. 332Mozart
Capriccio, Opus 76, No. 8, C MajorBrahms
Prelude, Opus 32, No. 5, G MajorRachmaninoff
Barcarolle, Opus 60Chopin
Vision Fugitives, Nos. 4, 9, 14Prokofieff
Oiseaux Tristes (Sad Birds)Ravel
ToccatàDebussy

The program for the Scully recital is as follows:

Sonata, A MajorScarlatti
Sonata, C MajorScarlatti
Sonata, B MinorScarlatti
Prelude and Fugue, No. 15, G Major, Bk. 1Bach
Sonata, Opus 78, F Sharp MajorBeethoven
Ballade, Opus 118, No. 3, G MinorBrahms
Prelude, Opus 32, No. 12, G Sharp MinorRachmaninoff
Wind on the PlainDebussy
Sarcasme, No. 1Prokofieff
SonatineRavel
Perpetual MotionWeber

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MINNESOTA COLLEGE ARTISTS
INVITED TO COMPETE IN 'U'
CREATIVE ARTS FESTIVAL

For further information, contact:
DORIS FENICK, 373-2126

(FOR IMMEDIATE RELEASE)

Minneapolis---Work of college artists from throughout Minnesota again will be welcomed in competition in the thirteenth annual creative arts festival, to be held at the University Jan. 3-12.

The festival, this year called "Arts 68," will include competition in the four fields of art, film, literature and theatre, according to Renae Pieri, education junior from Elk River, this year's festival director. The Union Board of Governors (UBOG) sponsors the festival.

Applications for entries in Arts 68 have been mailed to art and theatre departments in all Minnesota junior colleges, colleges and universities, and must be returned to Arts 68, 229 Coffman Union, University of Minnesota, Minneapolis, Minn., 55455, no later than December 22.

More than \$800 in prize money has been provided by UBOG. Four \$50 awards will be made in the art and film classifications; three awards of \$50 each and two of \$25 will go to the top literature entries; and \$200 in the theatre competition will be divided between the best director, the best actor in a leading role, the best actor in a supporting role and the director "with the most guts."

The "guts" award will be presented to the director who disregards accepted theatrical conventions in pursuit of his own style, and it is unlikely that this award will go to the director whose production is the most successful, Miss Pieri said. "Arts 68 for the theatre provided a place for the performance of the fantastic failure."

While the areas of music and the dance were included in the competition last year, Miss Pieri pointed out, they are not scheduled as competition events this year.

(MORE)

"Trying to judge instrumentalists against composers, classical dancers versus modern dancers, just didn't work out," she said. "The fields were too diversified. However, both areas---music of all sorts and the dance---will be very much present this year. Many local musical groups have been invited to take part in the festival, and there will be workshops and dance presentations throughout the Arts 68 program."

In the art competition, works in five media (paintings, drawings, sculpture, pottery and photography) will be judged by Zigmunds Friede, University studio art department assistant professor; Peter Seitz, preparator, Walker Art Center; and Felice Wender, director, Dayton's Gallery 12.

Judging the film competition will be Allen Downs, photographer and professor of studio arts; Arthur Landy, artist and filmmaker for the University and for Walker Art Center; and Al Milgrom, humanities instructor and president of the University Film Society.

The prose, poetry and drama in the literature competition will be judged by five University faculty members: three assistant professors of English---Eberhard Alsen, Lonnie Durham and Margery Stricker; Robert Tembeck, humanities instructor; and David Thompson, professor of speech, communication and theatre arts.

The productions of one-act plays making up the theatre competition will be judged by Twin Cities area theatrical notables, Miss Pieri said.

Entries may be delivered to Coffman Union gallery Dec. 11-15 and Dec. 18-22. Each film and art entry will be insured at full value.

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BIRDWATCHERS TO HOLD
ANNUAL MEET AT 'U' SATURDAY

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

Helen Hoover, Minnesota author of nature books for adults and children, will be the featured speaker at the annual meeting of the Minnesota Ornithologists Union Saturday (Dec. 2) in the Bell Museum of Natural History on the University of Minnesota's Minneapolis campus. The meeting begins at 8 a.m.

Mrs. Hoover will discuss "Wildlife Adventures at Gunflint Lake" at 3:20 p.m. in the museum auditorium. She is the author of "The Long-Shadowed Forest," "Gift of the Deer" and other books about wildlife in the northern Minnesota wilderness. Her husband, illustrator Adrian Hoover, will display some of his wildlife drawings.

R. E. Turner, University assistant professor of information and agricultural journalism and vice president of the union, said the meeting will consist of several half-hour, non-technical talks by bird authorities. Admission for the day is one dollar and the program is open to the public.

Morning talks will be "Snowy Owl Invasion of 1966-67" by Thomas Nicholls, North Central Forest Experiment Station, 9 a.m.; "Sora and Virginia Rail Studies at Cedar Creek" by Gerald Kaufmann, Bell Museum of Natural History resident assistant, 9:30 a.m.; "Helping Others to Know the Birds" by Dr. Alden Risser, Stewartville, 10:40 a.m.

Afternoon sessions, in addition to Mrs. Hoover's talk, will be "Ornithological Research at Itasca Biological Station" by William Marshall, director of the University's Itasca Biological Station, at 1:20 p.m.; "Propagation in Captivity of Endangered Species" by John Fletcher, director of Como Zoo, St. Paul, at 1:50 p.m.; "Ruffed Grouse Research at Cloquet" by Gordon Gullion, of the Cloquet Forest Research Center, 2:20 p.m.; "Questions and Answers About Minnesota Bird Life," panel discussion, 4 p.m.

Les Blacklock, well-known professional wildlife photographer, will speak at 7:30 p.m. following the group's annual dinner in Coffman Union junior ballroom.

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For further information, contact:
JUDY VICK, 373-2126

MUSIC STUDENTS
TO PRESENT
VESPER CONCERT

(FOR IMMEDIATE RELEASE)

University of Minnesota music students will present a Candlelight Vesper Concert at 3:30 p.m. Sunday (Dec. 3) at the First Congregational Church, 500 Eighth ave. SE., Minneapolis.

The concert, open free to the public, is sponsored by Sigma Sigma chapter of Sigma Alpha Iota, professional fraternity for women in music.

The program is as follows:

Toccata in F Major ----- Bach
Maria Bucka, organ

Lord, In Thee Do I Trust ----- Dietrich Buxtehude
Julia Blue, soprano
Barbara Hochberg, violin
Jan Baltrusch, violin
Maria Bucka, organ

Meditation from Thais ----- Jules Massenet
Nancy Muehr, violin
Mrs. Kitty Eliason, harp

Contedde Noel ----- Hasselmans
Mrs. Kitty Eliason, harp

Weihnachtslieder, Opus 61 ----- Richard Trunk
Marcia Olhausen, soprano

Concerto Grosso in G Minor, Opus 3, No. 2 ----- F. Geminiani

Concerto Gross, Opus 6, No. 8 ----- Arcangelo Corelli
University Chamber Orchestra
conducted by Anthony Gilombardo

Fanfare ----- Purvis
Maria Bucka, organ

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For further information, contact:
JUDY VICK, 373-2126

VISITING PROF TEACHING
ISLAMIC ART HISTORY

(FOR IMMEDIATE RELEASE)

S. Guner Inal, a specialist in the history of Arabic books and Persian miniatures, has been appointed visiting assistant professor in the University of Minnesota art history department.

Miss Inal was born in Istanbul, Turkey, and graduated from the University of Istanbul. She received her doctor of philosophy degree from the University of Michigan in 1965 and is now on leave from her position as a lecturer in Islamic art at Michigan.

During her year at Minnesota Miss Inal is teaching art history courses in Islamic art and the Islamic book and a language course in Arabic. She has lectured locally on Persian miniatures.

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'DISTINGUISHED TEACHERS'
TO BE HONORED
AT ALUMNI DINNER

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

"Distinguished Teacher Awards" will be presented Thursday (Nov. 30) to three University of Minnesota College of Liberal Arts (CLA) faculty members.

Robert F. Berkhofer, Jr., associate professor of history and associate chairman of American Studies; Toni A. H. McNaron, associate professor of English; and Johannes Riedel, music professor and director of graduate music studies, will receive the awards in ceremonies at the ninth annual meeting of the College of Liberal Arts and University College Alumni Association in the Campus Club, Coffman Union. A 6 p.m. social hour will be followed by dinner at 7 p.m.

"The Distinguished Teacher Awards symbolize in a significant way our interest in and concern for good teaching," E. W. Ziebarth, CLA dean, said. "The College of Liberal Arts values research and scholarly productivity, but it also values highly those who teach articulately, effectively and with devotion. These awards are presented on the basis of student and faculty ratings and are given for overall effectiveness in instruction." Ziebarth will present the awards to the winners.

Nominations for the awards come from students and faculty. The winners are selected by a committee comprised of former winners and students. This year the committee included Arthur Ballet, professor of speech, communication and theatre arts and acting director of the University Theatre; Harold Chase, professor of political science; Tom B. Jones, professor of history; George Shapiro, professor of speech, communication and theatre arts, and Sarah Youngblood, associate professor of English. Student representatives from the College of Liberal Arts were Jo-Ida Hansen and Charles Turchick.

(MORE)

Part of the key to Robert Berkhofer's success as a lecturer may be his wife. Mrs. Berkhofer, a former faculty member in Project Social Studies at University High School, sits in on his classes occasionally.

"She's my critic," he said. "She tells me if my lectures are informative and interesting and if I've developed any annoying mannerisms." The Berkhofers, who have worked together in advancing Project Social Studies, live at 3506 Edmund blvd., Minneapolis.

Berkhofer joined the University of Minnesota staff in 1960 as an instructor in the history department. He is currently teaching courses in American history and a graduate class in migration and mobility in American history. A graduate of Albany (N.Y.) State Teachers College and Cornell University, Berkhofer received his doctor of philosophy degree from Cornell in 1960. He taught at Ohio State University in 1959-60 and worked as a research analyst in the U. S. Department of Justice in 1955-56. He is the author of "Salvation and the Savage," an analysis of Protestant missions and American Indian response, published by the University of Kentucky Press in 1965.

Toni McNaron uses the Socratic method in her classes in Milton, advanced Shakespeare, sophomore introduction to literature and the metaphysical poets. "If a student doesn't participate, he doesn't learn as well," she said.

Miss McNaron received her bachelor's degree, Phi Beta Kappa, from the University of Alabama in 1958. She has a master's degree from Vanderbilt University and a doctor of philosophy degree from the University of Wisconsin. She taught English at All Saints' Episcopal College in Vicksburg, Miss., in 1959-61 and was a teaching assistant at the University of Wisconsin from 1961 to 1963. Miss McNaron is adviser to the Freshman Honors Colloquia on "The Changing Concept of the Hero." She lives at 27 Groveland terrace, Minneapolis.

Johannes Riedel is a German-born specialist in American music, Latin American music, music and sociology and church music.

Riedel received his first bachelor's degree from the University of Berlin. He has another bachelor's degree and a doctor of philosophy degree from the University of Southern California. From 1938 to 1948 he was supervisor of elementary school music in Quito, Ecuador.

In 1953 Riedel became a member of the University of Minnesota faculty. The author of many published articles and more than 50 choral pieces, he has published two books this year: "Cantors at the Crossroads" and "The Lutheran Chorale." With Don Martindale, he edited Max Weber's "The Rational and Social Foundation of Music."

Riedel is the founder and former director of the Lutheran Brotherhood Chorale Society and now directs the choir at Faith Lutheran Church in St. Paul. He is currently working on a book on the Romantic era in music to be published in 1968.

Riedel and his wife live at 454 Frontenac place, St. Paul.

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'U' CLASSICS PROFESSOR
PUBLISHES PREHISTORIC
DETECTIVE STORY

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

An academic "whodunit" about Greek prehistory, written by University of Minnesota Classics Professor William A. McDonald, recently was published by The MacMillan Co.

The book, "Progress Into the Past: The Rediscovery of Mycenaean Civilization," reviewed in last month's issue of the Book-of-the-Month Club News, is written for the non-expert.

McDonald, director of the University of Minnesota Messenia Expedition (UMME) being conducted in southwestern Greece, calls his 476-page book "a kind of detective story." In it he outlines the step-by-step reconstruction of archaeological findings that deal with Greek prehistory between about 1600 and 1100 B.C.

During this Mycenaean or Late Bronze Age, the Greeks developed many of the patterns of social and material culture which are described in the earliest European literature, Homer's "Iliad" and "Odyssey."

The story unfolds over three generations, beginning in 1870. The leading excavators of each period, cast as the "scholarly supersleuths," are Heinrich Schieman, Arthur Evans and Carl Blegen.

Blegen (now emeritus professor of the University of Cincinnati and brother of Theodore Blegen, dean emeritus of the University of Minnesota Graduate School) first introduced McDonald to Greek prehistoric archaeology almost three decades ago. At that time, the two men, participating in a University of Cincinnati excavation at Pylos, Greece, discovered the palace of Nestor, famous king of ancient Pylos and the subject of many Homeric songs and legends.

(MORE)

In 1953, at Blegen's suggestion, McDonald began to search for the location of some 250 towns and villages which were part of the kingdom of Pylos. The exploration area included about 2,000 square miles.

McDonald's approach to archaeological study, relatively new in the field, is to bring together experts from all relevant disciplines in an effort to correlate the scientific and humanistic aspects of the research as closely as possible.

Initially, he invited several of his colleagues at the University of Minnesota to participate in the study of Messenia. The UMME project, which has received funding primarily from the Hill Family Foundation of St. Paul, got under way in 1961.

The team now includes 13 specialists on the senior scientific staff from such fields as photogrammetry, paleo-botany, geochemistry and agricultural economics. The men, from institutions in the United States, Greece, Canada and Great Britain, all have spent time in the field.

Under McDonald's leadership, the group hopes to narrow some of the major gaps in 20th-century efforts to trace the roots of Western civilization back to the Late Bronze Age. "We want this to be the kind of excavation where absolutely no important evidence detectable by human ingenuity will be overlooked, and, therefore, lost," McDonald has said.

The specialists will be called upon to evaluate the culture in the perspective of its total physical environment---its geomorphology, micro-climate, water resources, raw materials, vegetation pattern, and so on.

Already the UMME team has explored the Messenia region intensively, and has made important discoveries in the pre-excavation stage.

It is now ready to begin systematic excavation. The American School of Classical Studies in Athens is granted three excavation permits by the Greek government. The next permit that becomes available is committed to McDonald, and will probably be awarded in 1969.

To date, some of the most exciting discoveries have come from the use of three new devices for detecting subsurface anomalies: a proton magnetometer, an apparatus for recording electrical resistivity and a hammer seismograph.

The electrical resistivity meter, for example, has been tested at three excavation sites. According to McDonald, the meter not only detected the presence of an anomaly in the earth (stone walls), but recorded quite closely the dimensions of dromos (stone-lined passageways) and a circular tomb chamber. He added, "Archaeological prospecting in Greece isn't what it used to be.....gone are the days of tramping over every spot that looks faintly suspicious from the ground."

McDonald, who was director of the University's College of Liberal Arts honors division from 1964-67, also is the author of "The Political Meeting Places of the Greeks," published in 1943.

He received his bachelor and master of arts degrees from the University of Toronto, and his Ph.D. in 1940 from The Johns Hopkins University. He has been granted numerous scholarships and fellowships which have provided for archaeological field experience.

Currently, McDonald is on a one-year sabbatical leave from the University. During his absence George Rapp, associate professor of geology and geophysics at the University and UMME associate director, is coordinating local activities.

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(FOR IMMEDIATE RELEASE)

SILBERMAN ELECTED
AWRA OFFICER

Edward Silberman, University of Minnesota professor of civil engineering and hydraulics, was recently elected a vice president of the American Water Resources Association (AWRA) at the association's third annual conference in San Francisco, Calif.

Silberman is director of the St. Anthony Falls Hydraulic Laboratory. The AWRA is an organization of engineers and physical, biological and social scientists. Its objectives are the advancement of water resources research, planning, development and management, and the collection and dissemination of information in water resources sciences and technology.

GOTTESMAN SPEAKS
AT PSYCHOLOGY MEETING

"In Pursuit of the Schizophrenic Genotype" was the topic discussed by Irving I. Gottesman at a recent joint meeting of the Purdue Psychology Colloquium and the Indiana Psychological Association at Purdue University. Gottesman is an associate professor of psychology at the University of Minnesota. He has been working in the area of behavior genetics and schizophrenia and is a leader in providing data relating genetic factors to schizophrenia.

'U' PHARMACY PROF
RECEIVES AWARD

Dr. Ole Gisvold, head of the department of medicinal chemistry in the University of Minnesota's College of Pharmacy, has been cited by the University of Wisconsin for distinguished achievement in his profession. A registered pharmacist since 1926, Dr. Gisvold received his Ph.D. in pharmaceutical chemistry from the University of Wisconsin in 1934.

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PROF. WEINBERGER
CO-AUTHORS CALCULUS
REFERENCE BOOK

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

Professor Hans F. Weinberger, head of the University of Minnesota department of mathematics, has co-authored a calculus reference book which was published this week by Prentice-Hall, Inc.

The book, "Maximum Principles in Differential Equations," is a reference work for advanced undergraduate and beginning graduate students. The co-author is Murray H. Protter, University of California (Berkeley) professor of mathematics.

The authors provide an elementary treatment of maximum principles for ordinary differential equations and elliptic, parabolic and hyperbolic second-order partial differential equations. They stress numerical approximations that can be applied readily in physics, chemistry, engineering and economics, as well as in the study of mathematics.

The book is the second Weinberger has written. The other is "A First Course in Partial Differential Equations," an undergraduate textbook published by Blaisdell Publishing Co. in 1965.

Weinberger joined the University faculty in 1960 and became head of the mathematics department last July. He taught previously at Carnegie Institute of Technology, Stanford University, the University of Wisconsin and the University of Maryland. He earned his bachelor's, master's and doctor's degrees at Carnegie Institute of Technology.

UNIVERSITY OF MINNESOTA
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DECEMBER 1, 1967

PHARMACISTS AROUND STATE
HAVE NEW OPPORTUNITIES
FOR CONTINUED EDUCATION

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

Minneapolis---A student's academic career traditionally has had a fixed beginning and ending. He came to a center of learning, attended classes for four or five years, added up his credits, and graduated. The student left the institution, and generally returned only for a formal course of graduate study, a workshop, or, more likely, an annual football game.

The pharmacist has always been an exception. If he lived any distance at all from a college or university, he probably didn't even attend a football game, much less a workshop.

Minnesota state law requires that a registered pharmacist be on duty---in the store---during all business hours. Thus in most small communities, where one pharmacist per drugstore is typical, the pharmacist's out-of-town activities are necessarily restricted.

Today, the pharmacist's role in the community is changing dramatically. Where he used to be drug-oriented, he is now becoming patient-oriented. More and more, he is called upon to observe and understand the effects of drugs, as well as to prepare and sell them. In addition, the pharmacist must know enough about his customer and the prescribed drug to be able to understand the intent of a doctor's prescription.

In this role as way station between patient and physician, the pharmacist has an additional responsibility---to continually update and refresh his professional knowledge.

Until last spring, pressures of time and the law made continued education almost impossible. In April, however, the University of Minnesota General Extension Division, through its department of continuing pharmacy education, conducted an experimental lecture series designed just for the pharmacist who has only a few free hours a day.

(MORE)

The program was proof that new means of transmitting knowledge can keep pace with increased demands for education. The lectures were prepared at the University and broadcast in the evenings over closed-circuit television to classrooms in Minneapolis and Rochester. Following each lecture, a physician on location in Minneapolis was seen on live television and answered questions via telephone from the studio.

Video tapes of the lectures were then sent to Duluth and viewed in a classroom there, and a local physician served as the expert for the question-and-answer period.

According to William J. Hodapp, director of the department of continuing pharmacy education, response to the program was enthusiastic. He and Willard L. Thompson, dean of the General Extension Division, decided to follow up the successful spring series with a fall program produced in a similar format.

Working with an interested group of community and hospital pharmacists, they selected the topic, "Drug Therapy in Psychiatric Disorders." Recently this subject has concerned the pharmacist and his community, and, because of abuse in the handling and use of drugs, has been the object of governmental action.

Two immediate problems faced the men. The first was solved when seed money to purchase tapes was obtained from various pharmaceutical companies through the Southern Minnesota Society of Hospital Pharmacists.

IBM Co. solved the second by donating the continued use of a coaxial cable and microwave transmission between Minneapolis and Rochester. Closed circuit facilities also were available on the campus of the University of Minnesota, Duluth.

Two well-known Minnesota psychiatrists, Dr. Faruk S. Abuzzahab and Dr. Gordon L. Moore, agreed to conduct the course.

The six evening lectures on drug therapy began in October and were transmitted to the same three locations which received the spring programs. Once again, the response was enthusiastic. Eighty-five persons attended each night of the Minneapolis series; 55 attended in Rochester; and 30 in Duluth.

But, Hodapp says, attendance figures tell only half the story. Another indication of the success of the program---and of the scarcity of similar educational opportunities---is given by the participants themselves. A husband and wife team from Mason City, Iowa, made the 190-mile round trip to Rochester each week to view the program; another pharmacist who reported he hadn't had a vacation in seven years---working a seven-day week---was able to attend in Duluth.

At the conclusion of the program earlier this month, requests for the series from throughout the state began to arrive in Hodapp's office. In addition, educational institutions and pharmaceutical sales companies in both the United States and Canada have expressed interest in it.

Hodapp is prepared to send the program anywhere it's needed. At the present, arrangements have been made to begin the series in Mankato on Jan. 16, and it will probably be offered in Alexandria, St. Cloud and Montevideo later in 1968. Negotiations also are being conducted with interested pharmacists in Fergus Falls, Bemidji, Worthington and Albert Lea.

Cost of the six lectures to an individual pharmacist is \$15, an amount which does not cover the production of the program or transmission costs. "But we're prepared to lose money," Hodapp declares. "We have a mandate to get education out to people who can't come to us to receive it."

The drug therapy series is designed for pharmacists, pharmaceutical sales representatives and nurses---in short, for anyone who would like a complete review of the subject.

Hodapp readily defends the choice of topics. "Too much misinformation is transmitted in a community by untrained, instant experts who perhaps have taken a drug or read an article about drugs in a popular magazine," he says. "There needs to be an expert resource person within each community, and that person should be the local pharmacist."

The department of continuing pharmacy education plans to offer a new lecture series on different topics in the spring of 1968.

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
DECEMBER 1, 1967

LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF DEC. 3-10

- Sun. -- Dec. 3 -- Bell Museum of Natural History Sunday program: "Norwegian Polar Bears," color movie and discussion of the museum's current study by Albert Erickson, museum curator of mammals; 3 p.m., Museum auditorium. Free.
- Sun. -- Dec. 3 -- University Theatre: "The Pajama Game," final performance, 3:30 p.m., Scott hall. Tickets.
- Mon. -- Dec. 4 -- Special Christmas concert: Christmas Bonanza with University Chorus, Glee Club, Concert Band and Symphony Orchestra; two performances, 1:15 and 8 p.m., Northrop auditorium. Free.
- Tues. - Dec. 5 -- Concert, pianist Dennis Johnson; 8 p.m., Scott auditorium. Free.
- Wed. -- Dec. 6 -- Concert, pianist Mark Norton; 8 p.m., Scott hall. Free.
- Thurs.- Dec. 7 -- Special lecture; John Yellott, Jr., University assistant professor of psychology, gives fourth lecture in University Center for Research in Human Learning colloquium; topic, "Models of Short-Term Memory;" 4 p.m., 155 Ford hall. Free.
- Fri. -- Dec. 8 -- Concert, pianist Larry Scully, 8 p.m., Scott auditorium. Free.
- Sun. -- Dec. 10 -- Bell Museum of Natural History Sunday program: "Iceland's Volcano Surtsey;" photographic record of origin of volcanos and volcanic features shown by photographic record of a recent eruption in Iceland. Program by Robert Bright, museum curator of paleontology; 3 p.m., Museum auditorium. Free.

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UNIVERSITY CO-EDS
TO LEARN DEFENSE
AGAINST ATTACKS

For further information, contact:
DORIS FENICK, 373-2126

(FOR IMMEDIATE ERELEASE)

How University of Minnesota co-eds can "Stop Attacks on Campus" will be explained and demonstrated---via Karate and the judicious use of hatpins---in a special lecture-demonstration from 11:15 a.m. to 1:15 p.m. Wednesday (Dec. 6) in Coffman Union main ballroom.

The program, sponsored by the Social Area committee of the Coffman Union Board of Governors (UBOG) seems both timely and helpful, according to Edward Weitzel, area chairman.

"We are not forgetting last winter's attacks on girls on the campus, nor the injury done to campus policemen who went to their rescue," Weitzel said.

"Any or all of the suggestions that will be made and demonstrated at this meeting are completely practical and may save some of our students from nasty experiences."

Taking part in the program will be Mrs. Virgil Peeke, the "hatpin lady" who is chairman of the Greater Minneapolis Chamber of Commerce's special project, "Citizens' Alert." Mrs. Peeke will illustrate her talk with the chamber's especially designed pins.

Patrolman Robert Cooper of the University Police Department, who was injured when he went to the rescue of a co-ed on the campus one evening last February, will speak on some of the campus spots which are unsafe after dark and give suggestions as to methods of self-defense.

How a 90-pound co-ed can protect herself from an unwary 200-pound attacker will be demonstrated by Bob Fusaro, president of the Midwest Karate Association. One of the male instructors at the Minneapolis YWCA will speak on "Common Sense On the Campus After Dark." He also will demonstrate judo and karate methods of resisting attacks.

The free program is open to the general public.

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For further information, contact:
DORIS FENICK, 373-2126

APPLICANTS SOUGHT
FOR ARLE HAEBERLE
FELLOWSHIP AT UNIVERSITY

(FOR IMMEDIATE RELEASE)

Minneapolis---Applications for the Arle Haeberle Fellowship in Speech, Journalism and Theatre Arts at the University of Minnesota are due in the University's Graduate School Fellowship office, 307 Johnston hall, by Feb. 15, 1968, according to Harvey Klevar, fellowship adviser.

The fellowship will pay a stipend varying from \$200 to \$600 per year to a senior woman student in Minnesota for graduate study in speech, theatre arts or journalism, Klevar explained. The recipient, who must plan to study at the University, must be preparing for a career in broadcasting.

The Arle Haeberle Fellowship has been established by WCCO television and by friends and relatives of the late Miss Haeberle, well-known television and radio personality associated with WCCO-TV and WCCO radio until her death in 1962.

A pioneer in Twin Cities broadcasting, Miss Haeberle had been employed by Midwest Radio-TV, Inc. since 1937 and had served the last 14 years as director of women's activities for the organization. Her "Around-the-Town" television program began in 1949 and was the longest-running continuous program on Twin Cities television.

Mary Margaret Sweitzer, Roseville, was the first recipient of the Arle Haeberle fellowship; Gayle Viehman, Owatonna, currently holds the fellowship and is working with the University Theatre.

UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
DECEMBER 4, 1967

UNIVERSITY PRESS
PUBLISHES CRITICISM
OF SCANDINAVIAN NOVELISTS

"Six Scandinavian Novelists," a book of literary criticism by Alrik Gustafson was published recently by the University of Minnesota Press.

The six modern novelists discussed are Jonas Lie, J. P. Jacobsen, Verner von Heidenstam, Selma Lagerlof, Knut Hamsun and Sigrid Undset. Background information on literary development in the Scandinavian countries is included in the introduction. Each essay includes a detailed analysis of the author's masterpiece.

Gustafson is professor and chairman of the University of Minnesota Scandinavian department and director of the University Northwest European Language and Area Center. He is also the author of "A History of Swedish Literature," published by the University Press.

BRYCE CRAWFORD
HEADS COMMITTEE

Professor Bryce Crawford, Jr., dean of the University of Minnesota Graduate School, has been named chairman of the advisory committee to the National Research Council Office of Scientific Personnel. His term will run through June 30, 1970. The Office of Scientific Personnel is concerned with the education of scientists and engineers and with the development and utilization of scientific and engineering manpower.

HAGA SPEAKS
AT NATIONAL SYMPOSIUM

Clifford I. Haga, University of Minnesota associate professor of English, spoke Nov. 27 at a national symposium sponsored by the National Archives and Records Service, General Services Administration, in Washington, D. C. "Style---Traditional and Avant-garde" was the topic he discussed at the afternoon session. The symposium was for federal executives at departmental and bureau levels and their assistants.

(MORE)

SWANSON NAMED TO
UNESCO COMMITTEE

Gordon I. Swanson, coordinator of international programs at the University of Minnesota, has been named a member of the General Conference of the UNESCO (United Nations Educational, Scientific and Cultural Organization) International Advisory Committee on Agricultural Education and Science. The committee was organized to advise the UNESCO director-general on the integrated planning and execution of UNESCO's program on education and science for rural and agricultural development. Swanson attended the group's first meeting in Paris early this month.

'U' FACULTY MEMBERS
NAMED HONORARY FELLOWS

Two University of Minnesota faculty members have been named honorary fellows of the American Speech and Hearing Association. They are Professor Clark D. Starr, director of the Speech and Hearing Clinic, and Joseph Chaiklin, associate professor of audiology and speech. The honors were announced at the American Speech and Hearing Association's recent annual meeting in Chicago, Ill.

'U' PROF SERVES
AT DORDT COLLEGE

Homer T. Mantis, University of Minnesota professor of physics, recently served as a visiting lecturer at Dordt College in Sioux Center, Iowa. His visit was sponsored by the American Association of Physics Teachers and the American Institute of Physics as part of a nationwide program to stimulate interest in physics. The program, in its 11th year, is supported by the National Science Foundation.

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'BUILDING BRIDGES'
TO BE THEME OF 1968
SCHOOL COMMUNITY SEMINAR

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

A constructive approach will be taken to "Building Bridges Between the School Organization and the Community" at the 1968 annual Seminar on School Community Relations.

The one-day program will be held from 8 a.m. to 4 p.m. on Saturday, Jan. 27, in the Minnesota Press Club in the Radisson Hotel, Minneapolis.

Sponsors are the University of Minnesota General Extension Division's department of conferences and institutes and the College of Education, in cooperation with the Minnesota Chapter, National School Public Relations Association.

Teachers, public relations committee representatives, principals, superintendents, school board members, P.T.A. representatives, news media representatives, legislators, representatives of professional teachers organizations and all others interested in school community relations are eligible to attend.

The theme of building bridges will be explored by three key speakers---G. K. Hodenfield, executive director of the Education Writers Association, Bloomington, Ind., at 9:45 a.m.; Donald K. Smith, University of Minnesota associate vice president for academic administration, following a 12:30 p.m. luncheon; and John G. Geier, director of communication and behavioral sciences in the University's School of Dentistry, at 3 p.m.

For the first time, University of Minnesota graduate credit will be offered to seminar participants. One credit, included in the registration fee, will be granted only if participants attend a morning orientation session, to be conducted by Professor Samuel H. Popper of the University's College of Education, and complete a two-page paper.

Fee for the course is \$25 if received by Jan. 15, and \$30 after that date. For more information, contact James Shaner, Program Director, Department of Conferences and Institutes, Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455.

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For further information, contact:
BETH KENT, 373-5166

REGISTRATION FOR WINTER QUARTER
EVENING CLASSES OPENS DEC. 18

(FOR IMMEDIATE RELEASE)

More than 100 evening classes will be offered this winter quarter through the University of Minnesota General Extension Division's department of evening classes.

Some of these courses will be available only at night and only during winter quarter, which runs from Jan. 3 through March 16.

Registration will open Monday, Dec. 18, and run through Thursday, Dec. 28.

Those interested can obtain detailed course information or may register at any of four locations: 57 Nicholson hall on the Minneapolis campus; the downtown St. Paul Extension Center, Ninth and Exchange; the MacPhail Center at 1128 LaSalle ave., downtown Minneapolis; or the Northwest Suburban Extension Center in Robbinsdale Senior High School, 5214 Thirty-seventh ave. N.

(The Robbinsdale office will have special evening hours from 6:30 to 8:30 p.m. on Dec. 26-27-28. The three other offices will remain open till 8 p.m. on those dates. All offices will be closed Dec. 22 and 29 and Jan. 2.)

Both career counseling and program advising are available, free of charge, to evening-class students, through the General Extension Division. Anyone interested may call for an appointment at 373-3905.

(MORE)

Liberal-arts subjects to be offered this winter quarter include an English literature class in Emerson and Thoreau and an art-history course, 19th-Century French Painting, which deals with the idea and evolution of impressionism, 1860-1900.

Community theater buffs can take a course in Modern Drama, a survey of the chief dramatists since 1900, or in Beginning Acting, which offers instruction in creating and presenting original scenes and exercises. Ability to respond to imaginative situations with individuality is stressed in the class.

Two courses of special interest to teachers are Library Materials in the Classroom and Puppetry in Education. The class in puppetry, offered in cooperation with the College of Education, discusses the art as a teaching technique, and offers advice on construction, manipulation and stage techniques as they relate to school situations.

Practical courses for the career-minded include Retail Sales Promotions, Organization and Management (which focuses on such aspects of administration as planning, leadership and automation), and Computer-Based Management Systems.

A special three-credit course, to be offered Jan. 4-April 25, is called Care, Management, Showing and Diseases of Horses. Well-known authorities on horses and horsemanship from the metropolitan area conduct the lectures and demonstrations.

Teaching staff for the evening courses is drawn primarily from the regular University faculty. Students may earn credits which apply toward University degrees, General Extension Division certificates, or toward fulfilling University admission requirements.

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For further information, contact:
JUDY VICK, 373-2126

THOMAS EGERMAN
APPOINTED TO 'U'
STUDIO ARTS DEPT.

(FOR IMMEDIATE RELEASE)

Thomas Egerman, a painter and Intaglio printmaker, has been appointed assistant professor in the University of Minnesota studio arts department. He is teaching drawing.

Egerman came to Minnesota from Cuyahoga Community College in Cleveland, Ohio. He established the art department at the 14,000-student, 3-year-old college. He has also taught at the University of Michigan at Ann Arbor, and at Siena Heights College in Adrian, Mich. In 1964 he served on the Washington, D. C., staff of Sen. Eugene McCarthy of Minnesota.

A native of St. Cloud, Minn., Egerman received a bachelor's degree in English from St. John's University, Collegeville, and a master of fine arts degree in art from the University of Iowa.

He has exhibited his paintings at the Toledo Museum, University of Iowa, Siena Heights College, Cleveland Museum, the Michigan Private College Show, Cuyahoga Community College and the 1-2 Gallery in Cleveland.

Egerman's wife, Rosemary, is a graduate student in art at the University of Minnesota. They are both musicians. She plays the flute and he plays the trombone, cello and harpsichord.

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For further information, contact:
DORIS FENICK, 373-2126

'U' COMMENCEMENT DEC. 16
TO GRADUATE 1,260 STUDENTS

(FOR IMMEDIATE RELEASE)

Minneapolis---Some 1,260 undergraduate and graduate students of the University of Minnesota will receive degrees at the December, 1967, fall quarter commencement exercises to be held at 7:30 p.m. Saturday, Dec. 16, in Northrop auditorium.

The entire December commencement program will be televised live from Northrop auditorium over the statewide Minnesota Educational Television network and may be viewed over KTCA-TV, Twin Cities, channel 2; WDSE-TV, Duluth area, channel 8; KWCM-TV, Morris and West Central Minnesota, channel 10; and over KFME, the Fargo area, channel 13, beginning at 7:30 p.m.

Paul N. Ylvisaker, former Ford Foundation executive and current Commissioner of Community Affairs for the State of New Jersey, will deliver the commencement address.

A St. Paulite, Ylvisaker received an associate in arts degree from Bethany Lutheran Junior College, a bachelor of science degree from Mankato State College, attended the University of Minnesota, and received both a master of public administration and a doctor of philosophy degree from Harvard University.

He has taught at Harvard, Swarthmore College and the Woodrow Wilson Graduate School, Princeton University; been executive secretary to the mayor of Philadelphia; and was a recipient of a senior Fulbright research scholarship in the United Kingdom. He was a Littaeur Fellow at Harvard and has been a member of a United Nations Technical Assistance Mission to Japan and of a U. S. Public Health Service health exchange mission to the USSR in 1964.

(MORE)

The Reverend Carl C. Caskey, B.D., campus minister of the Wesley Foundation on the Minneapolis campus, will deliver the invocation at commencement.

University President Malcolm Moos will speak for the University for the first time as a commencement official and will confer degrees and certificates upon members of the graduating class.

Stanley J. Wenberg, University vice president for educational relationships and development, will preside while the deans present diplomas to the graduates.

Following the exercises, graduates and their friends and families will attend the President's reception in the main ballroom of Coffman Union.

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
DECEMBER 7, 1967

Ph.D. CANDIDATES
WHO PASS PRELIMS
TO GET NEW TITLE

For further information, contact:
NANCY PIRSIG, 373-2126

(FOR RELEASE FRIDAY, DEC. 8)

Graduate students at the University of Minnesota who pass their preliminary oral examination toward a doctor of philosophy degree now are eligible for a new certificate, to be called the candidate in philosophy.

This announcement was made today (Friday, Dec. 8) by Bryce Crawford, dean of the University Graduate School, who said that the new certificate is being announced jointly by Northwestern and Indiana universities in addition to Minnesota.

These three thus are joining the University of Michigan, which inaugurated this certificate in 1966. All four institutions are members of the Committee for Institutional Cooperation (CIC), and it was out of CIC discussions that the proposal grew. Other members of the CIC (which includes the Big Ten schools plus the University of Chicago) may announce such a certificate at a later date.

"The candidate in philosophy certificate gives formal recognition of a very significant step toward the doctor of philosophy degree," Dean Crawford said.

"It is assumed that the candidates will continue to complete their research and dissertation and take their final examination for the Ph.D., but there is a time lapse between the completion of the preliminary examinations and the final requirements which may be extensive. And, unfortunately, some students do not complete this final stage at all."

The graduate school deans believed that the certificate would be an appropriate recognition of achievement toward a Ph.D. and would provide a useful mark of distinction, whether or not the candidate eventually completed the degree.

Dean Crawford said the Graduate School will begin to issue the certificate immediately and will issue it not only to students as they complete their preliminary oral exams, but also to those on current lists of students who have previously passed those exams but have not yet been granted their doctorates.

(FOR IMMEDIATE RELEASE)

**WATSON AWARD
MADE TO 'U' FELLOW**

Dr. Osias Stutman, medical fellow in the department of laboratory medicine at the University of Minnesota, has received the C. J. Watson Award from the Minneapolis Society of Internal Medicine in recognition of his research during the past year. His research dealt with carcinogen (a chemical or virus known to cause cancer) induced tumors of the thymus.

The \$500 Watson Award was founded in 1961 to honor Dr. C. J. Watson, former chairman of University Hospital's department of medicine and now chief of medicine at Northwestern Hospital in Minneapolis. A Distinguished Professor at the University, Dr. Watson was the founder of the Minneapolis Society of Internal Medicine.

**'U' PRESS PUBLISHES
RADIO-TV BOOK**

"Radio and Television Broadcasting on the European Continent," a book by Burton Paulu, was recently published by the University of Minnesota Press. Paulu is director of radio and television for the University of Minnesota. The 290-page book is a description of the facilities, finances, organization and programming of Continental broadcasting with discussions of implications for the United States.

**INSTRUCTOR READS PAPER
AT TUCSON CONFERENCE**

"Gandhi and Ambedkar: A Study in Leadership" was the topic of a paper presented by Eleanor Zelliot, University of Minnesota history instructor, at a recent conference at the University of Arizona, Tucson. "The Untouchable in Contemporary India" was the subject of the conference. Scholars from 10 universities presented papers on the problems of the untouchables from the disciplinary approaches of anthropology, sociology, economics, history and law.

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UNIVERSITY THEATRE
TO PRODUCE
PINTER, COWARD PLAYS

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

An avant-garde drama by Harold Pinter and a sophisticated comedy by Noel Coward will be the next two plays to be presented in the University Theatre's new Experimental series, Professor Arthur H. Ballet, acting director of the theatre, announced this week.

"The Caretaker" by Pinter will be presented Jan. 23-28 in Shevlin Hall Arena Theatre, University of Minnesota, Minneapolis campus.

"Private Lives" by Coward will be presented Feb. 13-18 in Shevlin Hall. Tickets for both productions will go on sale beginning Jan. 15 at the Scott Hall Ticket Office, University of Minnesota; Dayton's in Minneapolis, St. Paul, Southdale and Brookdale; and Field-Schlick in St. Paul. Mail orders are now accepted at Scott Hall.

"'The Caretaker' is an actor's play," said director David Feldshuh. "Although it is not always clear what Pinter is saying, the way he says it---the how---is always exciting. He is concerned more with the effect than with the conception behind the effect. He is concerned more with immediate theatrical impact than with the whys and wherefores of character and plot. For example, you are never sure where the characters come from or where the room is, but you don't care because the dialogue is so magnetic and compelling."

"There are many themes in 'The Caretaker,' including the search for identity, the desire for control and the psychology embedded in simple, everyday language."

The three-act, three-character drama is set in the cluttered room of a London house. The action is created by conflicts among the three men who occupy the room ---the aged man Davies, and two brothers, Mick and Aston---as they struggle for the territory within the four walls.

"The Caretaker," Pinter's first commercial success, opened in London in 1960. The cast included Alan Bates, Peter Woodthorpe and Donald Pleasance. The author's play, "The Homecoming," is now on Broadway.

(MORE)

Feldshuh has a McKnight fellowship in acting and will join the Minnesota Theatre Company in March. He is a candidate for a master's degree at Minnesota and is a teaching assistant in the department of speech, communication and theatre arts. A graduate of Dartmouth College, he studied at the London Academy of Music and Dramatic Arts and studied mime with Jacques Lecoq in London. Last year Feldshuh directed "Uncle Vanya" at the Hillel Foundation, University of Minnesota. He appeared as the butler in the University Theatre's recent production of "Tiny Alice." Last summer he worked as an associate director of a movie produced by an independent film company in New York, N.Y., his hometown.

"Private Lives," like Edward Albee's play, "Who's Afraid of Virginia Woolf?", is concerned with the shuffling of an older and a younger couple. Unlike "Virginia Woolf," the outcome is comic.

"Private Lives" was first produced in London in 1930 with a cast which included Laurence Olivier, Noel Coward and Gertrude Lawrence. The frothy play is set on the Riviera and in Paris.

Michael Harvey, a teaching associate in the department of speech, communication and theatre arts, will direct the production. He received a bachelor's degree in chemistry from Harvey Mudd College and a master's degree in theatre from UCLA. He is working toward a doctorate in theatre.

Harvey taught one year at Scripps College where he directed seven shows. He has directed three plays for a semi-professional Shakespeare Company on the West Coast. In 1963-64 he studied at Minnesota on a McKnight Fellowship and played in "Henry V" with the Minnesota Theatre Company. Last year he studied in Sweden on a Fulbright fellowship. Harvey received the Best Graduate Actor Award at the University in 1965 for his role as Harlequin in "A Company of Wayward Saints." In 1964 he received the "Best Actor in Young People's Theatre" award for his role as Ben Gunn in "Treasure Island." Last summer Harvey played the role of the count in "The Count of Monte Cristo" at the Stagecoach in Shakopee. He was acting coach for the Stagecoach company.

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For further information, contact:
BETH KENT, 373-5166

HIGH SCHOOL STUDENTS,
PARENTS, TEACHERS
CAN TAKE 'U' COURSE

(FOR IMMEDIATE RELEASE)

High School students, their parents and teachers can meet each other as academic equals this January.

The University of Minnesota will offer its West Bank as neutral territory for a course on classical culture which will be available to all three groups through the University General Extension Division's department of special courses.

The class will be held on five consecutive Saturdays, beginning Jan. 27, from 10 to 11 a.m. Professor R. J. Schork of the University's classics department will conduct the course.

The illustrated lectures will deal with archaeology, classical mythology, homeric epic, Greek art and Greek tragedy. No written assignments or examinations will be required from the students, but a book of supplementary readings will be offered for sale.

Tuition for the class is \$3. For additional information, contact David Ordos, Department of Special Courses, 314 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455; telephone 373-5166.

Registration will be limited and will close Jan. 15.

UNIVERSITY OF MINNESOTA
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DECEMBER 8, 1967

NEW BIO-SCIENCE ERA
IS ON HORIZON, SAYS
UNIVERSITY BIOLOGY DEAN

For further information, contact:
GLENN ICKLER, 373-2126

(FOR RELEASE AT 10 A.M. FRIDAY, DEC. 8)

"We are now witnessing the dawning of an era in bio-science that will dwarf in significance to man the era of physical science which has probably concluded its grand period of growth," Richard S. Caldecott, dean of the University of Minnesota College of Biological Sciences, said today (Friday, Dec. 8) at a meeting of the University's Board of Regents.

Caldecott and three College of Biological Sciences faculty members described some of the college's goals, programs and problems. Taking part in the presentation were Douglas C. Pratt, associate professor of botany; Murray D. Rosenberg, professor of genetics and cell biology, and Professor Alan J. Brook, head of the ecology and behavioral biology department.

Rosenberg and Brook, whose fields are considered to be at opposite ends of the broad spectrum of biological work, described their research in biology. Pratt discussed the general problems of undergraduate class and laboratory scheduling and plans for future expansion.

Much of the predicted era of bio-science will probably be contiguous with the era of social science which is clearly on the horizon, Caldecott said.

"Indeed, one can predict that the era of social science will only progress fruitfully if it is accompanied or slightly preceded by the era of bio-science, particularly those aspects of biology associated with environment and population which vitally affect the social scientist in his attempts to solve problems of human relationship," he said.

Caldecott listed the college's goals as: (1) assuring that all students who seek a liberal education have the opportunity to be exposed to one of its most basic components---biology; (2) providing the basic bio-science backup for the Colleges of Medicine, Veterinary Medicine and Agriculture and others; (3) developing students

(MORE)

who have both the physical science and biological science backgrounds to achieve the kinds of breakthrough needed if man is to master such diverse problems as disease control, aging and population control and still maintain a biological environment suitable for his habitation.

Pratt said that the University of Minnesota was one of the first schools to combine introductory botany and zoology into a general biology course. This course is being revised to provide for an expected 1,700 to 1,800 students per quarter. This will require using 48 lecture rooms, employing 40 teaching assistants and increasing the number of participating faculty members from four to 11.

One of the major problems of constructing this course is that it must be presented to students with a broad range of abilities and backgrounds, since it is open to students majoring in everything from art history to pre-medicine.

"Biology must be made accessible to the non-scientist," Pratt said. "The course should present a broad range of exposure to modern biology and not emphasize one aspect to the exclusion of others." A number of teaching techniques are used to achieve this balance, he said.

Rosenberg, who is concerned with the structure and characteristics of the basic unit of life---the cell---discussed the need for cellular and molecular research.

He said that although research on the cellular and molecular levels lies essentially in the category of pure research, University scientists are cognizant of the applied aspects of their work and of the social responsibilities that arise from the application of a discovery.

"Major advances in biology have arisen from a reductionist approach, namely from the study of the molecules and macromolecules (large molecular units) that comprise the cell," he said. "The most exciting developments during the past two decades have arisen from the unraveling of the molecular structure of the genetic apparatus and the mode and regulation of synthesis of certain proteins."

As examples of the application of these studies, he listed the understanding of the molecular basis for certain genetic defects, such as phenylketonuria (PKU) in children and sickle cell anemia (a blood disease involving abnormal red cells).

Rosenberg said there is an increasing interest in research centering on the mechanisms whereby subunits of the cell are assembled into higher ordered structures, such as organelles (a specialized part of a cell analogous to an organ) and the living cell itself. Applications of this type of research might include modification of cellular surface regions to enhance wound healing, facilitate drug absorption or hinder virus penetration, he said.

Brook said research in ecology (the study of organisms in their natural surroundings) is necessary because no organism lives alone in nature and the associations of organisms which exist are delicately balanced, closely related organizations which utilize energy and raw materials in their functioning.

"Man, as the world's dominant organism, is having an ever increasing impact on the total environment, an impact which affects not only himself but also all forms of life," Brook said. "Industries, the explosive and appalling growth of the world's human population and the introduction of new chemicals and technologies are leading to a most critical period in the habitation of the earth by man."

Brook said the mission of ecologists is "to teach and preach concern for the survival of the entire ecosystem of which man is a part."

Since basic ecological knowledge is essential for the control of pollution; for the preservation of natural areas and wildlife refuges; for decision and jurisdiction regarding the use of insecticides, herbicides and pesticides, there clearly is a pressing need for the training of graduate students in ecology, Brook said.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 8, 1967

For further information, contact:
JUDY VICK, 373-2126

'U' GRAD STUDENT
WINS NATIONAL
PLAYWRIGHTING CONTEST

(FOR IMMEDIATE RELEASE)

Roger N. Cornish, candidate for a doctor of philosophy degree in theatre at the University of Minnesota, has won first place in the 15th annual National Collegiate Playwrighting Contest short play competition.

He has received \$300 and his play will be published by Samuel French, Inc., New York, N.Y.

As a result of Cornish's achievement, the Samuel French Award for excellence in instruction in playwrighting has been presented to the University of Minnesota. This is the fifth French award to be received by the University.

Cornish's winning one-act play, "Open 24 Hours," deals with a power conflict between a black man and a white man. It was produced by the University Theatre in the fall of 1966 with the title, "The Laundromat." Last summer and fall it ran for three months, with another Cornish play, "Satisfaction Guaranteed," at the Hull House in Chicago, Ill.

Cornish also authored "This Play Has No Title," produced at Catawba College, Salisbury, N.C., in 1965. He currently has plays under option to CBS-TV and Theatre '67.

Cornish, 33, was born in Canada. He received a bachelor's degree from the University of Connecticut and a master's degree from Catholic University of America.

The Cornishes live at 330 W. Fiftieth st., Minneapolis. Mrs. Cornish is a counselor in the University of Minnesota General College Project "Help" Center. They have two children.

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'U' HOSPITALS
ADMINISTRATORS
CHANGE JOBS

For further information, contact:
ROBERT LEE, 373-5830

(FOR IMMEDIATE RELEASE)

Two University of Minnesota Hospitals administrators will assume new staff positions effective Friday, Dec. 15.

Thomas Jones, assistant director and instructor in the College of Pharmacy, will replace McCollum Brasfield as administrative officer in charge of the Variety Club Heart Hospital.

Brasfield, an assistant administrator since July 1, 1965, will devote full-time duties to the Community-University Health Care Clinic, 2016 Sixteenth ave. S., Minneapolis.

The clinic program is a five-year demonstration project of the Children's Bureau of the Public Health Service. A staff of 20 doctors, dentists, social workers and psychologists from the University are providing health evaluations and care for the children of Seward, Adams and Greeley elementary school districts.

Brasfield will be the clinical administrator working under Dr. Edward Defoe, associate professor of pediatrics and director of the project.

Presently, resident physicians from the pediatrics department spend two months at the clinic as part of their residency. Other University students who are being trained in various fields of the health sciences also serve at the clinic.

Commenting on the appointments, John Westerman, director of University Hospitals, said both men are experienced health administrators and predicted they would make many contributions to their respective areas.

Dr. Defoe called Brasfield's appointment "a positive step forward in the University's expression of interest and commitment to the community."

"Brasfield's intense interest in the community and educational potential that can be tapped will undoubtedly prove to be an asset to the program," Dr. Defoe said.

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NEWS SERVICE-220 MORRILL HALL
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DECEMBER 11, 1967

'U' LIBRARIES TO RECEIVE
FRANK ELLI COLLECTION
IN CEREMONIES WEDNESDAY

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

A record of the development of the novel "The Riot"---from its beginning as an idea to a copy of the published, prize-winning manuscript---will be donated to the University of Minnesota Library in a ceremony to be held on the Minneapolis campus Wednesday (Dec. 13) at 10 a.m.

Frank Elli, author of the drama of a two-day prison riot, wrote the book while serving a 10-to-80-year sentence at Stillwater Prison for armed robbery. The book was published by Coward-McCann, Inc. Publishers early in 1966.

The body of works to be donated to the library, which will be known as the "Frank Elli Collection," consists of the manuscript and galley proofs of "The Riot," the University of Minnesota correspondence course lessons Elli completed while writing the novel, and criticism of the manuscript by University Professor Harold J. Alford.

Papers and correspondence surrounding the placement of the manuscript with a literary agent, its sale to Coward-McCann and its subsequent publication are included in the collection.

The materials will be placed in the manuscripts and archives division of the University Libraries, located in Walter Library on the Minneapolis campus.

Accepting the collection from Elli on behalf of the University will be Edward B. Stanford, director of University Libraries, who remarked recently that the works "constitute a great asset to the literary manuscript holdings of the library."

"The collection is unique not only because much of it is unpublished, but because it offers valuable insights into the writing of a book and the growth of a literary career," Stanford said. "The whole body is an important and invaluable tool for critical and biographical research about this popular, living writer," he added.

(MORE)

Elli, who was born in St. Paul in 1925, commented that he decided to donate the materials to the University Libraries for two reasons. "I wanted the collection to stay here because I'm a native of Minnesota," he explained. In addition, he said, he hoped that by giving the materials to the University he'd be able to show his appreciation for the assistance Professor Alford had given him during the years he wrote the book.

Alford, director of the University General Extension Division's department of off-campus classes, is credited as being one of the first persons to recognize Elli's talent and to encourage him to write the novel.

In 1962, while serving the fourth year of what was to be a seven-year prison term, Elli received a General Mills Foundation scholarship which paid University tuition for a correspondence course. He enrolled in Alford's class in narrative writing, and during the progress of the course submitted a short story he titled "The Riot."

Alford returned the manuscript with the comment that it was not a story, but was rather a synopsis, and the germ of an effective novel.

The novel writing began. Elli enrolled in another writing course in 1964, and regularly submitted chapter after chapter as class assignments. Alford's criticisms followed each lesson.

The correspondence course materials to be donated to the library reveal such comments from Alford as, "All I have to say is that you have written a novel which should be able to stand up to practically any kind of scrutiny and criticism..... From the point of view of the straight action story, you have told a straightforward, suspenseful, fast-moving yarn."

"The Riot," which will be published in paperback by Avon sometime next month, has been translated into French, Spanish, Dutch and Finnish, and has been released in England, Australia and Canada. Paramount Pictures has bought movie rights to the book.

-U N S-

(Note to Editors: Newsmen are invited to attend the 10 a.m. presentation ceremony which will be held Wednesday (Dec. 13) in the Arthur Upson Room, 109 Walter Library.

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UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
DECEMBER 11, 1967

MOULTON TO CONDUCT
DANCE WORKSHOP

Robert Moulton, professor of speech, communication and theatre arts at the University of Minnesota, will conduct a workshop on "Theatre Games for Actors and Dancers" at the National Dance Guild's annual meeting, Dec. 26-28, at the 92nd-street YMHA in New York, N.Y.

Participating in the demonstration will be Thomas Jacoby, an instructor in the University department of speech, communication and theatre arts; Peter Goetz, teaching assistant; William Lampe, teaching assistant; Phyllis Rice, teaching assistant; Cynthia Wells, teaching assistant, and Jackie Bertrand, a former student of Moulton's at the University who is now working as a dancer in New York. Moulton directed the University Theatre's recent production of "Pajama Game."

INDIANA STATE NAMES
COFFMAN PROFESSORSHIP

A professorship at Indiana State University, Terre Haute, Ind., has been named in honor of the late Lotus D. Coffman, fifth president of the University of Minnesota.

The new position is called the Lotus D. Coffman Distinguished Professor of Education and is occupied by Dr. William Van Til. Coffman was president of the University of Minnesota from 1920 to 1938. He was a graduate of Indiana State University. The union building on the University of Minnesota's Minneapolis campus is named in his honor.

'U' ADMISSIONS DIRECTOR
HEADS REGIONAL ORGANIZATION

T. E. Kellogg, University of Minnesota director of admissions, recently was elected to a one-year term as president of the Upper Midwest Association of Collegiate Registrars and Admissions Officers. The organization includes about 150 member institutions in Minnesota, Iowa, and North and South Dakota.

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UNIVERSITY ECONOMIST
APPLIES SCIENTIFIC METHOD
TO TRANSPORTATION PROBLEMS

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

A University of Minnesota economist is attempting to untangle the snarl of metropolitan transportation problems in a two-year research project financed by a \$39,100 National Science Foundation grant.

Heading the project is Herbert Mohring, professor of economics, who has been studying urban transportation problems---both past and projected---for several years. The study is entitled "Economics of Urban Transportation."

Instead of running cars and buses along city streets, Mohring is running mathematical models through computers in an effort to determine the effects of various types of urban transportation systems on urban travelers.

Mohring said his broad goals are:

1. To undertake a general theoretical exploration of a world in which consumers value commodities not in their own rights, but rather because of characteristics they possess (such as the size, color, horsepower and trim of automobiles); individual consumers differ in the relative values they place on different characteristics and the average cost of manufacturing commodities decreases with the number manufactured.
2. To determine relationships between the costs of various types of transportation facilities (city streets, expressways, buses and various forms of rapid transit service) and their size, spacing and frequency with which access to them is provided.
3. To apply the conclusions developed under the first goal to the relationships found under the second goal in order to spell out the characteristics of the best transportation networks in hypothetical urban areas with different travel patterns, when optimum pricing and financing procedures can be employed.
4. To determine both the changes needed in transportation networks using non-optimum pricing and financing plans, and the loss of convenience associated with the non-optimality.

(MORE)

Mohring pointed out that the basic characteristic of present day mass transit is that public transportation is provided in "relatively large blobs," such as buses or commuter trains.

These methods are slow because of the frequent stops required to pick up passengers. The average speed for a trip aboard a Twin City Lines bus, for example, is only about 11.5 miles an hour, Mohring said. The nation's fastest subway, in Cleveland, has an average trip speed of about 22 miles an hour.

A system in which people could be put into small packages so that they could travel non-stop to their destinations would be much faster, Mohring said. Such a system would also be much cheaper if it could be controlled by a central computer, since more than half of the cost of operating a bus is the driver.

"We'll be building cost models to determine how best to trade access to transportation stations for speed once aboard," he said. "Every time you stop for passengers, you cut down the average speed of the system."

Mohring also plans to study a facet of transportation which has not been studied systematically---the effect of transportation systems on land use.

"In predicting future trips in urban areas, the origin-destination studies currently undertaken typically take into account the fact that land use has a substantial effect on travel patterns," Mohring said. "It also is widely recognized that shopping centers and high-density residential areas grow up around expressway interchanges, for example. However, this and other effects of transportation systems on land use aren't systematically taken into account in origin-destination studies."

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PROFESSOR MARKUS APPOINTED
VISITING NUFFIELD PROFESSOR
AT WARWICK, ENGLAND

For further information, contact:
GLENN ICKLER, 373-2126

(FOR IMMEDIATE RELEASE)

A leading University of Minnesota mathematics professor has been appointed Nuffield Visiting Professor for 1968-69 at the Mathematics Research Centre of the University of Warwick, England.

Professor Lawrence Markus, director of the University's Center for Controlled Sciences, will be chairman of a year-long symposium which will concentrate on topological problems in dynamical systems. The symposium will be conducted by 25 leaders in this field from all parts of the world.

Markus was appointed to the endowed chair by the Research Centre's board of directors. The Warwick Centre has been established recently to advance research in mathematical sciences. Each year the center offers a special scientific program and institute headed by top scholars in a particular field.

Markus will work with Professor E. C. Zeeman, of the University of Warwick, who is in charge of the overall program.

Markus, 45, has been a member of the University faculty since 1957. He previously taught at the University of Chicago, Harvard University, Yale University and Princeton University. Since coming to the University, he has been a visiting professor at Yale, Columbia University and the University of California (Berkeley).

He worked in Paris under a Fulbright Fellowship in 1951 and in Switzerland under a Guggenheim Fellowship in 1963.

Markus and E. B. Lee, University professor of electrical engineering, are co-authors of "Foundations of Optimal Control Theory," an advanced textbook published this fall. Markus is teaching a mathematics course for prospective grade school teachers and a research course in mechanics.

A native of Hibbing, Markus holds a bachelor of science degree and a master of science degree in meteorology from the University of Chicago and master of arts and doctor of philosophy degrees in mathematics from Harvard.

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KUOM TO PRESENT
ANNUAL CHRISTMAS
MUSIC FESTIVAL

For further information, contact:
BETH KENT, 373-5166

(FOR RELEASE SUNDAY, DEC. 17)

The annual Christmas Music Festival presented by University of Minnesota radio station KUOM (770 kc) will begin Monday (Dec. 18) at 11:15 a.m. with a program featuring the Magnificat by Claudio Monteverdi.

Christmas music will be broadcast throughout the week, concluding with a presentation of Handel's Messiah on Saturday at 2 p.m. The following is a complete schedule of starting times and major works:

On Monday at 11:15 a.m. features will be Locatelli's Christmas Concerto and Monteverdi's Magnificat. At 2:30 p.m. the same day, KUOM will present Czechoslovakian Christmas Carols and Liszt's The Christmas Tree.

On Tuesday at 2:30 p.m. features will be Corelli's Christmas Concerto and Vaughan-Williams' Hodie (a Christmas cantata).

On Wednesday at 11:15 a.m. featured work will be Menotti's Amahl and the Night Visitors. At 2:30 p.m. the same day, Tchaikovsky's The Nutcracker will be broadcast complete.

On Thursday at 2:30 p.m. features will be Pinkham's Christmas Cantata, Bartok's Rumanian Christmas Carols, Jolivet's Pastorales de Noel, and Respighi's Laud to the Nativity.

On Friday at 11 a.m. features will be Gabrieli's Magnificat, Samuel-Rousseau's Variations on an Old Noel, and Christmas Carols of Europe. At 2:30 p.m. the same day, features will be Tournier's Six Noels, Charpentier's In Nativitatem Domini Nostri Jesu Christi Canticum, Britten's A Ceremony of Carols, and Rimsky-Korsakov's Christmas Eve.

On Saturday at 2 p.m. featured work will be Handel's Messiah.

KUOM is an educational service of the University's General Extension Division.

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For further information, contact:
BETH KENT, 373-5166

UNIVERSITY EVENING CLASSES
TO OFFER COURSE IN POVERTY

(FOR IMMEDIATE RELEASE)

Structure and Dynamics of Poverty, a new course in the University of Minnesota social science program, will be offered winter quarter through the University General Extension Division's department of evening classes.

The course, open to anyone who has completed nine credits in the social sciences, will carry three degree credits. Classes will meet from 6:20 to 8:50 p.m. on Thursdays during the winter quarter of evening classes (Jan. 3 through March 16).

The course will examine characteristics of poverty from a social, legal and economic point of view. Specific problems of poverty, such as unemployment, immobility, illiteracy and crime, will be discussed. Private and public programs designed to alleviate poverty will be examined.

Registration for the winter quarter of evening classes begins Monday (Dec. 18) and continues until Thursday, Dec. 28. Registration may be conducted at the three following locations: 57 Nicholson hall on the Minneapolis campus; the downtown St. Paul Extension Center, Ninth and Exchange; or the MacPhail Center at 1128 LaSalle ave., downtown Minneapolis.

For additional information, telephone the campus office, 373-3195.

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For further information, contact:
ROBERT LEE, 373-5830

'U' MEDICAL SCHOOL
OFFERS FIRST SEMINARS
IN HISTORY OF MEDICINE

(FOR IMMEDIATE RELEASE)

Medicine may seem as modern as a heart transplant but doctors also owe a debt to the many researchers whose centuries of painstaking work laid the groundwork for the principles taken for granted today.

The College of Medical Sciences at the University of Minnesota recognized this debt and created a division of the history of medicine in July.

Dr. Leonard Wilson, professor of the history of medicine and the first chairman of the new division, will begin teaching two seminars winter quarter. The seminars, Development of Modern Medicine and Older Medical Traditions, are being offered to senior medical students.

Professor Wilson said Dr. Owen Wangensteen, professor and chairman emeritus of the department of surgery, was the prime mover in establishing the history of medicine library section of the Bio-Medical library.

The history of medicine library, on the fifth floor of Diehl Hall, has some 8,000 volumes from the 16th through the 19th centuries. When the Bio-Medical library was started 43 years ago, a consistent effort was made to collect professional journals into the 19th century, Dr. Wilson explained.

"While medicine has undergone some profound changes in recent years, it is essentially a very old subject. Many of the sciences were developed by medical men," Dr. Wilson pointed out.

(MORE)

He also cited two main reasons for studying medical history:

"It makes a physician or medical student critically aware of the sources and bases for his instruction, much of which has to be taught as catechism without examining the evidence on which the knowledge is based.

"It also helps the physician or medical student to develop a self awareness. An understanding of the traditions of his profession helps him realize where he is and makes him aware of the strengths and limitations of his knowledge."

A native of Canada, Dr. Wilson received his college education in that country and England. He received his Ph.D. in the history of science in 1958 at the University of Wisconsin. Afterward he taught at the University of California at Berkeley and at Cornell University before going to Yale University in 1960. In 1965 he was promoted to associate professor in the department of history of science and medicine. He joined the University of Minnesota faculty when the division he heads was formed last July.

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For further information, contact:
JEFF B. CARRUTHERS, 373-2126

COMPUTER SIMULATES
POLYNESIAN MIGRATION
WITH DRIFT VOYAGES

(FOR IMMEDIATE RELEASE)

A University of Minnesota geographer is settling the Polynesian Islands via a computer.

Professor John W. Webb, chairman of the department of geography, is testing the theory that over a period of centuries the Polynesians settled their sprawling Pacific kingdom by accident. He is trying to duplicate the huge migration to all the island groups (in an area that stretches from New Zealand to the Hawaiian Islands to the Easter Islands) solely through drift voyages of small craft lost at sea. He expects to support the feasibility of the "drift theory" with his computer simulation.

Webb is simulating the voyages on a huge Atlas Computer (London, England), instead of performing actual voyages at sea, to save money, time, and possibly lives.

The computer, part of the University of London's Atlas Computing Service, literally plays a quick but complex game of chance, much like Monopoly. The computer moves imaginary mathematical boats, hopefully from one island to another. These movements are subject to various rules (which try to make the game as realistic as possible) and to random choices made by the computer, like a game of dice.

The board for the "Polynesia Drift Voyage" game is most of the Pacific Ocean. It is divided into "squares," five degrees longitude by five degrees latitude, each about 90,000 square miles in area. The observed probabilities for wind and sea currents for each square and for each month are stored within the computer and act as rules of movement for the drifting vessels. A probability for survival is also included.

(MORE)

The object of the game, of course, is for a boat and its passengers to drift successfully from an origin island to any other island. The computer, by running many such simulated voyages, tests the feasibility of the "drift theory" of migration by which all of the major Polynesian Islands were populated. Many of the island groups are separated by thousands of miles of open Pacific water, and the question of how they were settled is a hot academic controversy.

The prevailing theory, according to Webb, is that the Polynesians originally came from Asia, probably southern China, and not from South America (as some believe). The big question is how the Polynesians migrated from the central islands to the rest---intentionally or accidentally?---between 200 and 1200 A.D. Europeans, at this time, were barely beginning to wander warily from their shores.

The Polynesians may have traveled intentionally, with the aid of navigation instruments and the stars, between the hundreds of islands. Or persons lost at sea (perhaps during short voyages between adjacent islands) or families cast out to sea may simply have drifted to other islands.

Though the computer simulation will not prove or disprove the drift voyage theory, it will add supporting data if it shows there is a good chance that the Polynesian Islands could be populated in this manner. And the theory is not without basis. There are records of more than 150 accidental and 60 deliberate long voyages in the Pacific. But there is no record of any drift voyage reaching New Zealand, South America, or the Hawaiian Islands from tropical Polynesia.

(MORE)

Webb and Gerard Ward, professor of geography at the University of Papua and New Guinea, are currently "only simulating voyages from a number of island groups to be able to assess the relative possibilities of reaching other groups as a result of drifting." They intend to indicate the likelihood of the longer journeys, since it is already known that the shorter voyages could have resulted from accident.

Webb says he hopes to finish all the computer calculations this winter and, if there is time, run the whole thing "backwards" (that is, beginning at the end of a voyage and moving back to its beginning). In addition, he intends to simulate climatic changes (since the events actually took place) by shifting the current data five degrees to the north and to the south, again if there is time.

And computer time is important---and expensive. Luckily, the time has been donated by the Atlas Computer unit. Its staff is so interested in the programming of the problem that some of them have spent many months preparing the materials and programs for the computer.

The reams of computer print-out (that include every move of each boat and the final outcome of the voyage) and the 100 computer-drawn maps (showing the final position for each voyage with respect to actual islands) will take months to analyze. Then and only then will Webb and Ward be able to "indicate the likelihood" of such a drift voyage settlement of the Polynesian Islands.

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For further information, contact:
JUDY VICK, 373-2126

HARVARD PROF
ACCEPTS INVITATION
TO 'U' LAW CHAIR

(FOR IMMEDIATE RELEASE)

Professor Robert Braucher, a member of the Harvard Law School faculty and one of the country's leading experts in commercial law, has accepted the invitation of the University of Minnesota Law School to occupy the first Law School Chair for distinguished law professors of national stature.

His appointment to the faculty for 1968-69 will be recommended to the University Board of Regents.

Funds to augment Braucher's regular salary at the University will be provided by the Minnesota Law School Fund. The fund, now totalling some \$30,000 in pledges from 40 contributors, has been established as a part of a program to add teachers of national stature to the Law School faculty.

"Our aim is to insure to the state and the nation the benefits that will result when all Minnesota law school graduates bring to the complex problems of society the best possible in legal skills and training," said Dean William B. Lockhart of the Law School.

"To do this, we must enrich the Law School by bringing several mature scholars and teachers of national renown to join those we already have on our faculty."

The Minnesota Law School Fund campaign will be formally initiated in the early months of 1968. The goal is \$100,000 in annual gifts to be used to augment the salaries of faculty members. Several Law School Chairs are proposed and professorial awards will be given to faculty members of high distinction.

(MORE)

Braucher has been on the Harvard faculty since 1946. He served as coordinator for the Revision of the Uniform Commercial Code, which has been adopted by 49 of the United States. Since 1964, he has been the reporter-author of the second edition of the Restatement of Contracts for the American Law Institute. He has been the Massachusetts Commissioner on Uniform State Laws since 1954.

Braucher is the author of several leading texts on contracts and commercial law, including "Introduction to Commercial Law," "Cases on Commercial Law," "Commercial Transactions: Cases and Problems," "Commercial Transactions, Text Forms and Statutes," "Documents of Title Under Uniform Commercial Code," "Commercial Transactions, Text Cases and Problems," "Commercial Transactions: Selected Statutes," and "Basic Contract Law."

He is a graduate of Haverford College and received his law degree magna cum laude from Harvard Law School in 1939, where he was an editor of the Harvard Law Review. He practiced with a New York law firm for two years and served with the U. S. Army Air Force for four years.

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For further information, contact:
JUDY VICK, 373-2126

HIGH SCHOOL STUDENTS
TO PARTICIPATE
IN TV CAREER PROGRAMS

(FOR IMMEDIATE RELEASE)

Students from Twin Cities area high schools, their counselors and University of Minnesota faculty members will participate in career information programs to be aired on KTCA-TV (Channel 2, Twin Cities) beginning Monday (Dec. 18).

The career programs are a part of the "After High School, What?" series presented by the University of Minnesota in an effort to assist students with education and career planning.

The half-hour programs are broadcast every Monday at 9 p.m. Leonard Bart, assistant professor of speech, communication and theatre arts at the University, is the program moderator. Joseph North is the producer.

"How To Choose Careers" will be discussed on the first program Monday night. Participants will be Theda Hagenah, professor and assistant director of the University Student Counseling Bureau; David P. Campbell, associate professor and assistant director in the University Student Counseling Bureau; Elnora Huyck, University High School counselor, and University high students.

"Careers in Business" will be featured Dec. 25. Nicholas A. Glaskowsky, associate dean of the University School of Business Administration; Robert Burke, counselor at Hill High School, St. Paul, and Hill high students will participate.

(MORE)

Glaskowsky will appear again Jan. 1 on the program "Management in the Professions." With him will be Leonard Tracy, counselor at Humboldt High School, St. Paul, and Humboldt students.

"Careers in Agriculture" will be discussed Jan. 8 by Ralph Miller, associate professor in the College of Agriculture, Forestry and Home Economics Placement office; Raymond Erwin, counselor at Stillwater High School, and Stillwater students.

"Careers in Forestry" will be the topic for Jan. 15. Discussants will include Kenneth E. Winsness, assistant to the director of the School of Forestry; John Haygreen, professor of forestry; Thomas Kelly, counselor at Harding High School, St. Paul, and Harding students.

"Careers in Home Economics" will be discussed Jan. 22 by Robert Forsyth, University instructor in home economics; Larry Zimmerman, counselor at North High School, Minneapolis, and North high students.

Students and counselors from other Twin Cities area high schools will participate in the following scheduled programs:

Careers in Social Work -----	Jan. 29
Careers in Engineering -----	Feb. 5
Careers in Space Science -----	Feb. 12
Careers in Architecture -----	Feb. 19
Careers in Pharmacy -----	Feb. 26
Careers in Dentistry -----	March 4
Careers in Medicine -----	March 11
Careers in Nursing -----	March 18
Careers in Biological Sciences -----	March 25
Careers in Communication -----	April 1
Careers in Education -----	April 8
Careers in Law -----	April 15
Careers in Government -----	April 22

The "After High School What?" series will continue through May 27 with programs on "Effective Study Habits," "New Student Orientation" and "Extra-Curricular Activities."

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STATEWIDE ENTRIES
POURING INTO 'U' FOR
CREATIVE ARTS FESTIVAL

For further information, contact:
DORIS FENICK, 373-2126

(FOR IMMEDIATE RELEASE)

Entries from Minnesota college artists for competition in "Arts '68" are pouring in to the office of the University of Minnesota's annual creative arts festival to be held Jan. 3-12, according to Renae Pieri, this year's festival director.

"Early entries in the fields of art, literature, film and theatre already have exceeded the total in last year's competition," Miss Pieri said. "We feel that by the closing date for entries, Dec. 22, we may have doubled last year's numbers in all of the areas."

"Again this year, we are making the festival an all-state competition, and we are delighted to have early entries from such institutions as Carleton College, Hamline University, St. Cloud and Mankato State Colleges and Brainerd State Junior College, as well as from University students."

Coffman Union Board of Governors, sponsor of the annual event, is providing the more-than-\$800 in prize money. Four \$50 awards will be made in the art and film classifications; three awards of \$50 and two of \$25 will go to the top literature entries; and \$200 in the theatre competition will be divided between the best director, the best actor in a leading role, the best actor in a supporting role and the director "with the most guts."

While the areas of music and the dance were included in the competition last year, Miss Pieri pointed out, they are not scheduled as competitive events this year.

"Competitive judging in these areas was just too difficult, but many local musical and dance groups will be presenting workshops and programs throughout the festival."

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DECEMBER 15, 1967

(FOR IMMEDIATE RELEASE)

PROF KONOPKA WRITES
PAMPHLET FOR PARENTS

Parents of teenage daughters now can get advice about their relationships with their daughters from a new pamphlet issued by the New York State Division for Youth.

"The Teenage Girl" is the second in a series of pamphlets issued by the division. The author is Gisela Konopka, professor of social work at the University of Minnesota. Professor Konopka, whose most recent book is "The Adolescent Girl in Conflict," has been honored internationally for outstanding service to children. She has been on the Minnesota faculty since 1947.

The pamphlet is available free from New York State Division for Youth, University Place, Albany, N.Y., 12203.

BROWN WINS
MORRISON AWARD

William F. Brown, Jr., University of Minnesota professor of electrical engineering, has won an A. Cressy Morrison Award in Natural Sciences for his paper entitled "The Fundamental Theorem of the Theory of Fine Ferromagnetic Particles." These awards are presented annually by the New York Academy of Sciences for the two most acceptable papers in a field of science covered by the academy.

Brown, a member of the University faculty since 1957, recently was elected a Fellow by the Institute of Electrical and Electronics Engineers. He was honored for his contributions to the field of magnetism, especially micro-magnetics, and to engineering education.

(MORE)

4 FACULTY CONTRIBUTE TO 'HANDBOOK OF PHYSICS'

Four University of Minnesota faculty members have contributed chapters to the second edition of the "Handbook of Physics," which was published this fall by McGraw-Hill Co. The contributors, all in the School of Physics, are Professor William F. Brown, Jr., Professor E. L. Hill, Associate Professor Walter H. Johnson, Jr., and Regents' Professor Alfred O. C. Nier.

'U' PRESS PUBLISHES BOOKS ON IRISH THEATRE

Two books on the Irish theatre by Robert Hogan have been published recently by the University of Minnesota Press. "After the Irish Renaissance: A Critical History of the Irish Drama Since 'The Plough and The Stars'" provides critical introductions to some 30 or 40 playwrights who have worked in Ireland since 1926. "Seven Irish Plays" includes works by Michael Molloy, Seamus Byrne, Bryan MacMahon, John O'Donovan, John B. Keane and James Douglas.

ROGERS ELECTED OFFICER IN NATIONAL ORGANIZATION

William C. Rogers, director of the World Affairs Center of the University of Minnesota General Extension Division, recently was elected secretary-treasurer of the international affairs section of the Adult Education Association, a national organization. Rogers now serves in an official capacity in four related groups. He is chairman of the world affairs section of the National University Extension Association, secretary-treasurer of the National Council of Community World Affairs Organizations, and secretary-treasurer of the Society of Citizen Education in World Affairs.

UNIVERSITY OF MINNESOTA
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For further information, contact:
BETH KENT, 373-5166

EXTENSION DIVISION RECEIVES
GRANT TO STUDY DEVELOPMENT
OF STATE JUNIOR COLLEGES

(FOR IMMEDIATE RELEASE)

A two-year grant awarded by the Hill Family Foundation of St. Paul will allow the University of Minnesota General Extension Division's department of conferences and institutes to explore some of the broader issues confronting the development of state junior colleges.

Announcement of the grant was made by Ramon Stave, program director for the department of conferences and institutes and director of the grant.

Purpose of the grant is to hold a series of six Minnesota Junior College Faculty Conferences, and to publish the proceedings of each conference.

Stave commented that impetus to apply for the grant came from a recent publication, "Junior College Faculty Issues and Problems," written by Roger H. Garrison for the American Association of Junior Colleges while he was a staff member there. He is now chairman of the English department at Westbrook Junior College, Portland, Me.

Garrison conducted hundreds of in-depth interviews on junior college campuses across the country over a period of ten months. Stave said the study "leaves one with the impression, indeed the conviction, that the junior college teacher is---or may be becoming---a new breed of instructor."

The report says, "The junior college is a unique educational invention. We ought to be finding unique solutions to our problems, not just using the patterns established by the four-year college or by public school systems."

(MORE)

The report emphasizes the need for university communities to become interested and involved with such concerns as junior college staff problems. "Effectively tied to his own campus, the junior college teacher is apt to lack awareness that he belongs to a larger community of scholars," the report says.

The grant was sought as a means to bring together junior college teachers and members of the University community.

"This is a two-way street of communication," Stave said. "The University must determine what the needs are, and the junior college faculty must know the resources of the University. They must be given a voice in deciding which of these resources it will be most profitable to develop."

In general, the conferences will seek ways in which the University of Minnesota can help junior colleges with such problems as faculty and curricular development.

The first conference will be held on the University's Minneapolis campus Jan. 14-16. It will concentrate specifically on the areas of the humanities, communications and library personnel. Roger H. Garrison is consultant and keynote speaker for the program.

According to Stave, 75 junior college teachers representing all junior colleges in Minnesota will be invited to the campus "to meet in small and spirited groups to address themselves freely to questions of vital concern to them."

Two additional conferences to be held in 1968 will focus on the social sciences and student personnel and on the natural sciences, mathematics and occupational education.

The final three conferences, to be held in 1969, will consider the same three subject groupings.

Philip Helland, executive director of the State Junior College Board, is chairman of the conference steering committee.

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For further information, contact:
JUDY VICK, 373-2126

'U' TO OFFER
ART CLASSES
FOR CHILDREN

(FOR IMMEDIATE RELEASE)

Children from ages 5 to 10 are eligible to enroll in winter quarter art classes offered by the University of Minnesota Institute for Child Development beginning Jan. 6, 1968.

Classes meet from 9 to 11:30 a.m. every Saturday for 10 weeks. They are planned to provide opportunities for teachers and students to experiment with new art materials and methods of instruction in art.

Professor Clifton Gayne, chairman of the University of Minnesota art education department, is supervisor of the program. Classes are taught by graduate students from the art education department and coordinated by Mrs. Ardis Norberg.

Registration materials and further information can be obtained by writing to Mrs. Helen Dickison, Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455 or by phoning 373-2386. Children who have not previously attended an art class at the institute will be enrolled first. Fee for the series is \$7.50.

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'U' TO EXTEND
CHILEAN PROGRAM
WITH NEW GRANT

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

A two-year supplementary grant of \$251,000 from the Ford Foundation will enable the University of Minnesota to extend its cooperative program at the University of Concepcion, Chile, Harry Foreman, associate dean of the University Office of International Programs, announced today (Tuesday, Dec. 19).

The new grant, plus some \$50,000 remaining from the original Ford Foundation grant awarded in 1964, will make it possible to continue the program of academic and administrative development at the Chilean university for at least another two years, Foreman said.

"This will provide an opportunity for us to continue work that is of interest and considerable benefit to both institutions," he said. "The grant indicates the Ford Foundation's continuing interest in the project and their confidence in its potential to advance education in Chile."

The program provides assistance in the reorganization of the academic program at the Chilean university. The purpose of the reorganization is to deemphasize the traditional independence of the professional schools in order to provide a more liberal and cultural orientation to the general education of students. A university-wide, first-year program has been put into effect and a central library is being established. Minnesota has sent consultants and advisers to Concepcion to aid the university in these developments.

The supplementary grant will provide funds for faculty development at the University of Concepcion (fellowships, seminars and study tours), advisory services (visiting professors, a librarian, consultants and coordinators from Minnesota), library development (books and supplies) and administrative costs.

Professor William Rosendahl, of the University rhetoric department, has served as chief-of-party at Concepcion since March 1967. Working with him have been Roy E. Carter, University professor of journalism and mass communication, and Charles W. Harrington, on leave from his position as head librarian at Centenary College of Louisiana. Three University of Minnesota graduate students are currently in Chile doing research financed by the Ford Foundation grant.

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NEW POETRY PROGRAMS
TO BEGIN ON KUOM

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

Three new series of programs on poetry will be broadcast shortly over University of Minnesota radio station KUOM (770 kc).

The first, ten lectures entitled "The Search for the New," will begin at 11 a.m. Tuesday (Dec. 26). The program features the well-known American poet Donald Justice, whose lectures originally were presented at the University of Cincinnati and sponsored by the George Elliston Poetry Foundation.

Each lecture will be broadcast from 11 a.m. to noon on the following dates:
Dec. 26, The Poet as Amateur: Emily Dickinson; Dec. 28, Distortions of the
Dec. 29, Distortions of the Psychotic;
Primitive; Jan. 2, The Poet as Mad; Jan. 3, The Control of Chaos: John Berryman;
Jan. 4, Poet or Poem?: Robert Lowell; Jan. 5, Questions of the Organic: W. C.
Williams and After; Jan. 8, Donald Justice: A Reading of his Poems; Jan. 10,
Silence and the Open Field: John Cage and Charles Olson; and Jan. 12, Prose as
Poetry.

The other two series each consists of 13 programs to be broadcast one day a week from 1 to 1:30 p.m. during the winter quarter. Beginning Friday, Jan. 5, John Ferguson, University of Minnesota visiting professor of classics from the University of Ibadan, Nigeria, will read poems by some of the major English poets of the 20th century.

Beginning Monday, Jan. 8, poet Roland Flint, a University instructor of English, will read and comment on American poetry of this century. The Flint series is entitled "The Language That Saves."

KUOM is an educational service of the University's General Extension Division.

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(FOR IMMEDIATE RELEASE)

DR. WANGENSTEEN
TO RECEIVE AMA
SERVICE AWARD

Dr. Owen Wangensteen, chairman emeritus of the department of surgery at the University of Minnesota, will receive the 1968 Distinguished Service Award of the American Medical Association at the AMA convention in San Francisco next June.

Chairman of the surgery department for more than 30 years, Professor Wangensteen was a pioneer in the training of surgeons with M.D. and Ph.D. degrees as specialized investigators. He retired in June 1967.

'U' FACULTY MEMBER
HEADS WOMEN'S COMMITTEE

Kathryn Scott Randolph, director of the Minnesota Planning and Counseling Center for Women at the University of Minnesota, has been elected chairman of the new Advisory Committee in the Division of Women's Affairs of the State Department of Human Rights.

Mrs. Randolph, a member of the previous Governor's Commission on the Status of Women, has been a faculty member at Minnesota since 1965. The advisory committee will advise Human Rights Commissioner Frank C. Kent on problems which concern women in the areas of employment, education, health and welfare, civil and political liberties and the rights of home, community and family.

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SCHOOL OF THE AIR DIRECTOR
TO RECEIVE HERITAGE AWARD

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

A new award initiated by Governor Harold LeVander, the Minnesota Heritage Award, will be presented to Miss Betty T. Girling, director of the Minnesota School of the Air, in ceremonies to be held Friday, Dec. 29, at 3 p.m. in the Governor's Reception Room of the State Capitol.

The Heritage Award, given in recognition of persons contributing to the development and direction of conservation progress in the state, will be presented to Miss Girling in conjunction with the Governor's Public Service Citation.

Miss Girling will be honored particularly for the radio program "Following Conservation Trails" which she has produced---and often written---since 1946.

The dramatic series, the oldest conservation radio program in the nation, is broadcast by the Minnesota School of the Air, a part of the department of radio and television of the University of Minnesota's General Extension Division. It is broadcast over University radio station KUOM during the school year on Fridays from 2:15 to 2:30 p.m.

"Following Conservation Trails" is also available on tape recordings from either the University's Audio-Visual Extension Service or the Minnesota State Department of Education. More than 300 Minnesota schools have received the programs in the past 21 years, and they have been broadcast in schools outside the state as well.

The award, which will be presented by Governor LeVander, singles out Miss Girling as a distinguished educator and a "voice of conservation" in the state of Minnesota.

-U N S-

Note to Editors: Newsmen are invited to attend the presentation ceremony to be held at 3 p.m. Friday, Dec. 29, in the Governor's Reception Room of the State Capitol; pictures of the ceremony will be available on request from the information section of the State Department of Conservation.

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DECEMBER 26, 1967

GRADUATE, LAW STUDENTS
CAN APPLY FOR NEW
2-YEAR NROTC PROGRAM

For further information, contact:
DORIS FENICK, 373-2126

(FOR IMMEDIATE RELEASE)

Minneapolis---Graduate students at the University of Minnesota and other nearby institutions may be eligible for enrollment in a new Naval Reserve Officers' Training Corps (NROTC) program through which they may earn a naval commission and also postpone active military duty until they have obtained their graduate degree. The degree must require at least two years of work.

Under this new U. S. Navy program, which will go into effect at the University next fall, law and pre-law students---until this time barred from NROTC programs---will have a special exemption program, according to Captain James M. Marshall, professor of naval science and commanding officer of the Navy unit at the University.

Students are not required to do their graduate work at the University. However, they must take the graduate work in institutions located nearby so that they can take part in the NROTC courses on the University's Minneapolis campus. Students at the William Mitchell College of Law, St. Paul, in addition to the University's Law School, could qualify for this new program, for example.

Students may apply for one of the following optional types of service available under the two-year contract NROTC program: surface, aviation, supply, science and engineering, law or the Marine Corps.

Those selected will attend a six-week summer naval science institute where they will complete a course of instruction in naval science classes, laboratories and drill similar to that required of freshman and sophomore NROTC students.

They also must agree to accept a commission, if offered, upon successful completion of the two years of NROTC work, as a regular or reserve officer in the U. S. Navy or Marine Corps, and agree to serve on active duty for a period of not less than three years. Law students will incur a four-year active-duty obligation upon admission to the bar.

(MORE)

Male citizens of the United States who hold undergraduate degrees and who have been admitted to either Law or Graduate School by the application deadline date--- March 15, 1968---can discuss their possibilities for qualification under this new program with the NROTC staff immediately.

Information and applications are available at the University of Minnesota Department of Naval Science, Room 203 Armory.

Selection of candidates from qualified applicants will be made by the Chief of Naval Personnel, Washington, D. C., upon recommendation of the local officials. Notification of selection or non-selection will be forwarded to applicants by May 5, 1968.

The customary Navy physical standards pertain; however, vision standards for all the optional service choices except aviation have been relaxed. Minimum age at enrollment is 18 years; maximum age is 25 years on June 30 of the year in which the student will be commissioned.

The Navy has eliminated restrictions on married students in contract programs during the last year, Capt. Marshall said.

Because the Navy obtains medical and dental officers through other programs, medical and dental students are not eligible for this special program.

Interested students who have been admitted either to the University Graduate School or to a degree-granting law school will not be affected by the minimal grade of "C" required by Navy specifications, as a B or better grade is required for admission to graduate-level work.

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For further information, contact:
JUDY VICK, 373-2126

VERN SUTTON
TO SING
NEW OPERA WORK

(FOR IMMEDIATE RELEASE)

A scene from an unfinished opera, "Sebastian's Dream" by Dominick Argento, will be premiered in a vocal recital by Vern Sutton, Sunday, Jan. 7, at 4 p.m. in Scott Hall auditorium, University of Minnesota.

The program also includes an 18th-century Italian cantata by Nichola Porpora and songs by Franz Liszt, Robert Schumann, Yrjo Kilpinen and Benjamin Britten.

Sutton, a tenor, is an instructor in the University of Minnesota music department and musical director at the Stagecoach in Shakopee. He will appear in the Center Opera Company's January production of "The Man in the Moon." His accompanist for the Jan. 7 concert is William Johnson, conductor of "The Man in the Moon."

The recital is sponsored by the University of Minnesota music department and Rho chapter of Phi Beta, a national music and theatre fraternity. Admission is \$1 for adults and students. Proceeds will go to the Phi Beta scholarship fund.

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For further information, contact:
JUDY VICK, 373-2126

HARKINS DIRECTS
TRAINING CENTER
FOR COMMUNITY PROGRAMS

(FOR IMMEDIATE RELEASE)

Arthur M. Harkins, who identifies himself as a student of American Indian life, has been named director of the University of Minnesota Training Center for Community Programs.

Harkins, 31, has been acting director of the center since August. He succeeds Mrs. Barbara Knudson.

The purpose of the center is to relate the resources of the University to the needs of the community. Its offices are in Clay School on the University's West Bank.

Harkins is an instructor in the University departments of sociology and the history and philosophy of education and an instructor in the department of sociology and anthropology at Macalester College. He is research director for a three-state project on the modern culture of the Ojibwa Indians, financed by the U. S. Department of Health, Education and Welfare.

Previously he was an assistant instructor at the University of Kansas and Peace Corps project instructor in community development at the University of Missouri in Kansas City. He has taught courses in introduction to sociology, comparative societies, juvenile delinquency, educational sociology, social problems and institutions and stratification.

(MORE)

With T. C. Helvey he is the author of "Biophysical Factors of a Human Lunar Ecosystem," published by Radiation, Inc., in 1959 and "Moon Base: Technical and Psychological Factors" published by Rider in 1960.

He is currently editing "Modern Minnesota Ojibwa: Selected Research Reports" with Ada E. Deer, coordinator of Indian affairs in the Training Center for Community Programs. It is to be published by Coronado Press. He has written a number of articles for the "Kansas Journal of Sociology," which he founded in 1964, and for "The Journal of American Indian Education."

For two years he has served as consultant on Indian community action programs for Human Sciences Research, Inc., and Lear Siegler, Inc., private research companies.

Harkins is working for his doctor of philosophy degree in sociology from the University of Kansas. His doctoral dissertation is "Public Education on a Minnesota Chippewa Reservation," based on research conducted on the White Earth reservation in Minnesota for the U. S. Office of Education. He received a master's degree from the University of Massachusetts and a bachelor's degree from the University of Kansas.

Harkins is married and has one child. He lives at 136 Melbourne ave., Minneapolis.

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DIVISION MEANS GROWTH
FOR UNIVERSITY
LANGUAGE DEPARTMENTS

For further information, contact:
JUDY VICK, 373-2126

(FOR IMMEDIATE RELEASE)

Division has resulted in growth for three University of Minnesota language departments.

The Slavic and Oriental languages department was divided in 1965 to form the departments of Middle Eastern languages, East and South Asian languages and Slavic and East European languages.

Since that time the Middle Eastern languages department has more than doubled its teaching staff and increased the number of students enrolled in its courses from 3 to 160; the Slavic and East European language department has nine times the number of majors today that it had two years ago; and East and South Asian languages has doubled the number of students enrolled in its first-year Japanese and Chinese classes.

"The division has made it possible for each department to concentrate on its specialties, providing greater opportunity for every student," said Professor Anwar Chejne, Lebanese-born head of the Middle Eastern languages department.

The department now offers Hebrew and Arabic courses at all levels, in addition to many courses on the history of the Arabs and Jews.

This year, for the first time, it is possible to earn bachelor's degrees in Hebrew and Arabic and a master's degree in Arabic at the University. Just two years ago there were two Arabic teachers for three students and Hebrew was not offered. Today the department includes three teachers of Arabic and two teachers of Hebrew, plus a teaching assistant.

The department also has, for the first time, an evening class in Persian, as well as in Hebrew and Arabic.

More than 10,000 volumes of Arabic and Hebrew books have been added to Walter Library and a librarian has been hired for the collection.

The department offers a unique program in Hispano-Arabic culture studies that is of value to the student of Spanish as well as Arabic. In the field of Hebrew, medieval Hebrew thought and its relation to Arabic is taught.

(MORE)

The department, which began its existence with only printed stationery and no office, is now located in a five-room suite in the Temporary building South of Folwell hall.

Today there are 45 Slavic language majors. Two years ago there were five. Eight new courses have been added to the offerings of the department of Slavic and East European languages in the years since the division. Most of the progress to date has been in the development of the undergraduate program which is now directed toward giving the student more exposure to the spoken language.

Mrs. Adele Donchenko, a graduate of the University of Chicago and the University of Minnesota, is acting head of the department which today has a faculty of nine, plus three teaching assistants. Two years ago there were five Slavic language teachers. Student enrollment in the department has increased from 306 in 1965 to 492 in 1967. Russian, Polish and Serbo-Croatian are taught on a regular basis and other Slavic languages are taught based on demand and faculty availability.

"We feel we have the best undergraduate program in Slavic languages since the department was founded," Mrs. Donchenko said.

The University of Minnesota's first master's degree in Japanese was granted last June and there are three candidates for master's degrees in Japanese and Chinese who expect to complete their requirements this year. A doctoral program in East Asian languages was begun last fall.

The East and South Asian languages department, headed by Associate Professor Edward M. Copeland, has 23 faculty members including teaching assistants. In 1965 there were 18 students enrolled in first-year Chinese and 27 enrolled in first-year Japanese. Two years later there were 40 in first-year Chinese and 60 in first-year Japanese.

This year, for the first time, the department is offering Tibetan and first and second-year Thai, in addition to Chinese, Japanese, Hindi, Sanskrit, Bengali, Gujarati, Marathi and a seminar in Luchuan.

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For further information, contact:
ROBERT LEE, 373-5830

DR. C. D. CREEVY,
LEADING UROLOGIST,
TO RETIRE FROM 'U'

(FOR IMMEDIATE RELEASE)

Dr. C. D. Creevy, director of the division of urology in the College of Medical Sciences, University of Minnesota, since 1936, will retire January 1 to enter private part-time practice.

He will be in practice with three former associates, Dr. E. A. Webb, Dr. B. A. Smith, and Dr. William Price, in the Medical Arts building, Minneapolis.

A Minneapolis native, Dr. Creevy received all his degrees from the University: bachelor of science in 1924, bachelor of medicine in 1926, doctor of medicine in 1927, master of science in surgery in 1931, and doctor of philosophy in 1932.

Membership in scholastic, scientific, and professional societies includes Alpha Omega Alpha, Sigma Xi, the North Central Section of the American Urological Association, the American Association of Genito-Urinary Surgeons, and the Clinical Society of Genito-Urinary Surgeons.

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For further information, contact:
BETH KENT, 373-5166

FIVE U OF M COURSES
TO BE OFFERED EVENINGS
AT HOPKINS HIGH SCHOOL

(FOR IMMEDIATE RELEASE)

Five University of Minnesota courses which carry credit toward a two-year associate in arts degree will be offered in the evenings this winter at the Hopkins High School, 1001 Hwy. 7.

The following classes will be available: fields of applied psychology, physics, salesmanship, oral communication, and Minnesota history.

The courses, open to anyone interested in taking a University class, are presented by the University General Extension Division's department of off-campus classes and by the General College.

No prerequisites are required for any of the courses. High school students interested in attending the classes may "bank" the credits and apply them toward a future University degree. Each course costs \$33 and awards three degree credits.

Each class will meet from 7 to 9:30 p.m. one day a week during the period Jan. 8 to March 15. Registration will be held at the Hopkins High School from 5 to 8 p.m. Jan. 8 to 11.

Individual counseling and program advising sessions are available free to prospective students. For additional information contact the Department of Off Campus Classes, 314 Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455; or telephone 373-5166.

UNIVERSITY OF MINNESOTA
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DECEMBER 28, 1967

ANNUAL PROGRAM SET FOR
JUVENILE LAW OFFICIALS

For further information, contact:
BETH KENT, 373-5166

(FOR IMMEDIATE RELEASE)

Minneapolis---A program designed to bring juvenile law enforcement officials up to date on recent developments in their field, the 13th Annual Juvenile Officers Institute, will be held Jan. 31-Feb. 2 at the Minnesota Civil Defense and Highway Training Center, located in the St. Paul suburb of Arden Hills.

Registrations must be received by Jan. 10.

The institute, open to all law enforcement officers interested in legal proceedings involving the juvenile, is presented by the University of Minnesota General Extension Division's department of conferences and institutes, in cooperation with various state agencies concerned with juvenile problems.

The opening lecture at 9 a.m. Jan. 31 will be delivered by James L. Hetland, Jr., University professor of law and chairman of the Metropolitan Council. He will speak on "The Gault Decision and Its Impact on the Juvenile Officer."

Other featured speakers on the program include George Shepard, training consultant in the Division of Juvenile Delinquency Service, Washington, D. C., who will speak at 9 a.m. Feb. 1 on the topic "Attitudes of the Police Toward Juveniles," and Walter Eldot, feature editor of the Duluth Herald and News Tribune and a member of the Youth Conservation Commission Board, Duluth, who will speak at 10:30 a.m. Feb. 2 on the topic "A Critical Look at Corrections in Minnesota."

Panels comprised of law enforcement officers from throughout the state will follow each speaker.

The final talk on the program at 1 p.m. Feb. 2 will be delivered by Minnesota Attorney General Douglas Head, who will issue "A Challenge to the Juvenile Officer." Head will close the institute by awarding General Extension Division certificates to the participants.

Fee for the program is \$20. For further information, or to enroll, contact the Director, Department of Conferences and Institutes, Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455.

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For further information, contact:
JUDY VICK, 373-2126

SISTER ST. PETER
TO BE PRESENTED
IN VOCAL RECITAL

(FOR IMMEDIATE RELEASE)

A varied program of vocal music with string and woodwind accompaniment will be presented at 4 p.m. Sunday, Jan. 14 in Scott Hall at the University of Minnesota.

The program by Sister St. Peter Zeleny, C.S.J., soprano, will include works by Handel and Mozart, French art songs, French opera arias, German lieder and the poetry of Emily Dickinson and Mark Van Doren with the music of Aaron Copland and Richard Lane.

Her piano accompanists will be Mrs. Omer Schommer and Sister Jean Mary Stodola, C.S.J.

Sister St. Peter, a student of Assistant Professor Paul Knowles, is a candidate for a master of fine arts degree from the University of Minnesota. She has taught in Twin Cities elementary parochial schools for 12 years and now teaches music to seventh and eighth graders at St. Lawrence School in Minneapolis.

"Sister St. Peter has a very fine potential in opera. She turns on a magnetism that permeates the audience," Professor Knowles said.

(MORE)

The program for her Jan. 14 concert, sponsored by the University of Minnesota music department, is as follows:

The Soft Complaining Flute from "Ode to St. Cecilia"---Handel
With harpsichord, flute and cello

Exultate, Jubilate -----Mozart
With two violins, two oboes, two French horns, viola and cello

Four French Art Songs -----Henri Duparc

Je Dis Que Rien from "Carmen" -----Georges Bizet

Je Veux Vivre from "Romeo and Juliet" -----Charles Gounod

Six German Lieder -----Hugo Wolf

Why Do They Shut Me Out of Heaven

The World Feels Dusty

from "12 Poems Of Emily Dickinson"-----Aaron Copland

Mountain House, December

Dunce's Song

Will He Come Back?

from poems by Mark Van Doren -----Richard Lane

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 28, 1967

For further information, contact:
BETH KENT, 373-5166

FIRST WORKSHOP ON SEX & FAMILY LIFE EDUCATION
TO BE HELD AT UNIVERSITY IN FEBRUARY

(FOR IMMEDIATE RELEASE)

Minneapolis---The first Workshop on Sex and Family Life Education, presented by the department of conferences and institutes of the University of Minnesota's General Extension Division, will be held Feb. 13-14, 1968. All sessions will meet in Mayo Auditorium on the University's Minneapolis campus.

Mrs. Elizabeth Peterson, director of the program and coordinator of parent and family life education for the department of conferences and institutes, explained that the workshop is being offered as a result of needs expressed by educators at three previous Institutes on Sex Education which she helped to direct.

"People not only want to know what information to present to students at different age levels; they need to know how to do it," she said.

The two-day workshop, designed for teachers, religious educators and parents, will focus on sex and family education for students in kindergarten through eighth grade. Mrs. Peterson emphasized that the entire program will be of value to workshop participants. "A teacher can't expect to present sex education material effectively in the second grade classroom if he has no understanding of the broader picture," she said.

The workshop will be conducted by Ralph Eckert, professor in the counseling division of California State College, Long Beach. Eckert, who has had long experience in sex and family education, is the author of numerous articles and books on the subject, including "Sex Attitudes in the Home."

For five years he served as a consultant in parent and family life education for the California Department of Education. Recently, he completed "A Teachers' Resource Guide," kindergarten through eighth grade, in family life and sex education for the La Mesa, Calif., county schools. A copy of his curriculum guide will be included in the packet of materials all workshop participants will receive.

(MORE)

Eckert will deliver two general lectures, "Why Sex and Family Life Education" at 8:40 a.m. on Feb. 13, and "Love and Human Sexuality" at 3:30 p.m. on Feb. 14. Other sessions will be devoted to sex and family life instruction appropriate for grades kindergarten to three, four to six, and seven and eight.

Comments from Minnesota teachers who have presented sex education in their classrooms will follow each of Eckert's speeches. Panel members will discuss their overall goals, problems, questions children ask, and parent education. Particular emphasis will be placed on the panel members' self-preparation prior to beginning a program of sex education.

At 1 p.m. on Feb. 14 Eckert will speak on the subject "Teenage Morality: A New Morality?" His talk will be examined from different points of view by the following persons: Mrs. Nancy Birger, home economics teacher in grades 7-9, Minneapolis Lincoln Learning Center; Gerald Bolmeier, coordinator of pupil personnel services, Minnetonka Public Schools; Edgar Pillow, executive director of the Hennepin County Office of Economic Opportunity; the Rev. Jeanne Audrey Powers, state director of the Minnesota Methodist Student Movement and associate pastor of the First University Methodist Church, Minneapolis; and Dr. James Wall, St. Paul obstetrician and gynecologist.

Space for the workshop will be limited and early registration is advised. Cost of the program, including two luncheons, is \$15. For further information contact the Director, Department of Conferences and Institutes, Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn., 55455.

The workshop is presented with the cooperation and financial support of the Minnesota Department of Health.

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Note to Editors: Workshop participants will be admitted to Mayo Auditorium by name tag only. Newsmen interested in attending should make arrangements in advance with Beth Kent, or stop at the registration table in the foyer of Mayo Auditorium for a name tag.

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DECEMBER 29, 1967

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NANCY PIRSIG, 373-2126

NATIONAL CONFERENCE TO BRING
SOCIAL WORK EDUCATORS
TO MINNEAPOLIS JAN. 23-26

(FOR RELEASE MONDAY, JAN. 1)

Minneapolis---Some 1,500 social work educators and leaders from throughout the United States and Canada will gather here Jan. 23-26 for the 16th annual national conference of the Council on Social Work Education, to be held at the Leamington hotel.

Those attending will be deans, directors and faculty of the 71 accredited graduate professional schools of social work in this country and Canada, teachers from many undergraduate departments offering courses in social welfare, faculty and administrators from higher education, social workers from many of the public and voluntary social welfare agencies and departments, and representatives from the National Association of Social Workers.

Herman D. Stein, president of the CSWE and provost of the social and behavioral sciences at Case Western Reserve University, Cleveland, stated that a wide variety of subjects will be tackled during the three-plus days of sessions, designed to exchange knowledge and ideas on the most urgent problems facing social work educators.

Among these problems, he listed the acute shortage of social workers, the questions raised by the rapid changes in social welfare programs both nationally and locally, the question of what direction social work curricula---both graduate and undergraduate---should take, and the training and utilization of persons with less than a master's degree in social work.

(MORE)

Hosting the conference---which is called the Annual Program Meeting---will be the University of Minnesota School of Social Work, headed by Director John Kidneigh, which this year is celebrating its 50th anniversary. Highlighting this celebration will be a banquet held Wednesday, Jan. 24, in the Leamington's Hall of States.

Featured after-dinner speaker at the anniversary banquet will be Whitney M. Young, executive director of the National Urban League, a social-work graduate of the University of Minnesota and a recipient of the University's Outstanding Achievement Award and of the CSWE's Distinguished Service Award. He will talk on "Social Work Education---For What End?"

Other major speakers at the Annual Program Meeting will include:

Mary Switzer, head of the newly created Social and Rehabilitation Service of the U. S. Department of Health, Education and Welfare, and former chief of U. S. Vocational Rehabilitation from 1950-67; speaking on "New Opportunities and Responsibilities in Our Changing Society," at a plenary session at 8 p.m. Thursday, Jan. 25;

Mitchell I. Ginsberg, former New York City commissioner of welfare and now commissioner of the city's newly created Division of Human Resources; speaking on "Changing Values in Social Work" in the first Ann Elizabeth Neely Memorial Lecture at 9 a.m. Friday, Jan. 26;

T. R. McConnell, professor of higher education at the University of California, Berkeley, who will deliver the keynote address on "The Professional School and the University" at the Opening General Session at 8 p.m. Tuesday, Jan. 23;

N. L. Gage, professor of education and psychology at Stanford University and co-director of Stanford's Center for Research and Development in Teaching, speaking on "The Current Status of Theories of Teaching: What Can Science Contribute to the Art of Teaching?" at a 9 a.m. plenary session Thursday, Jan. 25; and

Henry S. Maas, professor of social welfare and associate director of the Institute of Human Development at the University of California, Berkeley, speaking at a plenary session at 9 a.m. Wednesday, Jan. 24, on "Social Work, Knowledge and Social Responsibility."

Outside of the plenary sessions which all delegates will attend, the conference will consist of small concurrent sessions, up to 12 running at a time, on various subjects of interest to the delegates. Some of these will have speakers who present papers and then invite questions and discussion, others will consist of a speaker panel, still others will be workshops with a chairman and general discussion among participants.

One of the most unusual sessions will be a three-way telephone discussion to be carried on between two persons at the conference and a distinguished educator in London. Purpose of the session, being held at 2 p.m. Wednesday, Jan. 24, will be to demonstrate the use of amplified telephone teaching. Discussants will be Dame Eileen Younghusband, president of the International Association of Schools of Social Work, in London; and in Minneapolis, Herman Stein and Mrs. Katherine A. Kendall, director of the CSWE Division on International Education.

This session will be chaired by Ellen Winston, former U. S. Commissioner of Welfare, current board member of the CSWE and member of the preparatory committee of a 1968 U. N. Conference of Ministers of Social Welfare.

On Monday and Tuesday, Jan. 22-23, before the larger meeting begins, the deans and directors of schools of social work will hold a special preliminary meeting.

From 2 to 5 p.m. Tuesday, Jan. 23, the CSWE House of Delegates will hold its annual meeting to elect members of the CSWE Board of Directors, officers and others, and to discuss matters of general concern to all members.

In addition to the University of Minnesota, host-sponsors of the Annual Program Meeting are the Community Health and Welfare Planning Council of Greater St. Paul; the Health and Welfare Council of Hennepin County; the Minnesota Conference on Social Work Education; the Minnesota Welfare Association; the Southern Minnesota Chapter, National Association of Social Workers; the University of Minnesota Student Social Work Association; and the University of Minnesota School of Social Work Alumni Association.

The Council on Social Work Education (CSWE) is an organization dedicated to ensuring the quality and quantity of social welfare personnel needed to meet human needs. Its membership includes the graduate schools of social work, undergraduate departments offering social welfare courses, public and voluntary agencies that employ social workers, the National Association of Social Workers, and individuals interested in social work education.

It serves these members, and the public, by setting and maintaining standards for graduate schools of social work (it is the agency that accredits these schools), developing guidelines for undergraduate programs in social welfare, giving leadership to curriculum developments, educational experimentation and research, publishing pamphlets, a periodical and a journal on social work education, and acting as the national spokesman for social work educators in their dealings with the federal government and various agencies.

The CSWE maintains headquarters in New York City, where Arnulf M. Pins, executive director, heads a staff of some 25 professional workers. The council is financed by dues and by contributions from many sources, among them the United Fund or Community Chest drives in communities all over the country, corporations, labor unions, foundations and individuals. Some special programs are supported by federal and foundation restricted grants.

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DECEMBER 29, 1967

LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF DEC. 31-JAN. 7

- Wed., Jan. 3 -- Start of winter quarter classes.
- Wed., Jan. 3 -- "Arts '68": annual all-state creative arts festival opens: to run through Jan. 13. Major events, open to public, listed below. All events, unless otherwise stated, in Coffman Union.
Bobby Lyle and His Quintet-11:15 a.m. and 12:15 p.m., main ballroom.
Art opening-Exhibition of all accepted works for Arts '68 competition.
4:30-6:30 p.m., judges and winning artists present to discuss entries; music, refreshments. Gallery. Free.
- Thurs., Jan. 4- Special lecture: Center for Research in Human Learning Colloquium series; Edward B. Coleman, psychology professor, University of Texas, speaks on "Collecting a Data Base for an Educational Technology;"
4 p.m., Room 155 Ford. Free.
- Thurs., Jan. 4- "Arts '68": Opening concert in daily recital series---Dwayne Tannihill, saxophonist, and pianist Sandra Williams; 10:15 a.m., Gallery. Free.
Concert by Frank Cammarata, pop organist; 11:15 a.m. and 12:15 p.m., main ballroom. Free.
Concert-Jeffrey Van, classical guitarist; 3:15 p.m., women's lounge. Free.
Concert by folk singer Mark Anderson; 8:30 p.m., main ballroom. Free.
- Fri., Jan. 5 -- "Arts '68": Dance Guild Theatre: Nancy Hauser, dancer and choreographer, will conduct dance improvisation to jazz accompaniment.
11:15 a.m. and 12:15 p.m., main ballroom. Free.
Poet John Berryman will read from his works; 3:15 p.m., women's lounge. Free.
University Film Society: "The Titicut Follies"---controversial documentary on Massachusetts hospital for criminally insane. Three showings, 3:30, 7:30 and 9:30 p.m., Bell Museum auditorium. Tickets.
- Sat., Jan. 6 -- "Arts '68": "The Titicut Follies," 7:30 and 9:30 p.m., Bell Museum auditorium. Tickets.
"Roar of the Greasepaint, Smell of the Crowd"---special repeat performance of this fall-quarter musical-mime hit. 8 p.m., main ballroom. Tickets.
- Sun., Jan. 7 -- Bell Museum of Natural History Sunday program: "Vanishing Prairie" color film; 3 p.m., museum auditorium. Free.
- Sun., Jan. 7 -- "Arts '68": "The Titicut Follies," 7:30 and 9:30 p.m., Bell Museum auditorium. Tickets.
"Roar of the Greasepaint, Smell of the Crowd;" 8 p.m., main ballroom. Tickets.
- Sun., Jan. 7 -- Vocal recital by Vern Sutton; 4 p.m., Scott auditorium. Benefit performance for Phi Beta scholarship fund. Tickets.