

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 1, 1968

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

- Sun., Nov. 3 -- "Landscape Design and Environment," exhibit of University of Minnesota student projects and site development projects by the New York American Society of Landscape Architects, through Nov. 6, Mann Court, Architecture building. Free.
- Sun., Nov. 3 -- "Waters of St. Croix," movie on seasonal activities along the river, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 3 -- "The Roots of Radical Theology and Radical Christianity," lecture by John A. Cooper, head of the philosophy department at Eastern Kentucky University, Richmond, Ky., Coffman Union men's lounge, 8 p.m. Free.
- Sun., Nov. 3 -- "The Whole," coffeehouse with local talent, Coffman Union, 8:30 p.m.-midnight. Admission.
- Mon., Nov. 4 -- Films of the Minnesota-Iowa football game, Coffman Union main ballroom, 11 a.m.-12:30 p.m. Free.
- Mon., Nov. 4 -- "Habituation to Electrical Stimulation of the Brain," lecture by Holger Ursin of the Physiological Institute, University of Bergen, Norway, room D-672 Diehl hall, 1 p.m. Free.
- Mon., Nov. 4 -- "The Abyssinian War -- A Lost Opportunity and a Prelude to World War II," lecture by Erich Kordt, anti-Nazi conspirator and now a professor of international law and modern history at the University of Cologne, Germany, room 4 Mechanical Engineering, 2:15 p.m. Free.
- Mon., Nov. 4 -- David Leighton, piano recital, Scott hall auditorium, 4 p.m. Free.
- Mon., Nov. 4 -- "Schizophrenia, Biology and Language," lecture by Brendan A. Maher, professor of psychology at Brandeis University, Murphy hall auditorium, 5 p.m. Free.
- Tues., Nov. 5 -- "War War Inevitable After Munich?", lecture by Erich Kordt (see Monday), room 370 Anderson hall, 3:15 p.m. Free.
- Wed., Nov. 6 -- Program on Guatemala, Coffman Union terrace reading room, 3:15-5 p.m.; Coffman Union main ballroom, 8-10:30 p.m. Free.
- Wed., Nov. 6 -- "The African Heritage of Americans," lecture by Lawrence Reddick, executive director of the Opportunities Industrialization Center, Philadelphia, Pa., first in a series of six lectures on color and culture in America, Mayo auditorium, 8 p.m. Admission.
- Wed., Nov. 6 -- University Gallery: Jerome Hill, paintings, through Nov. 30, Northrop auditorium. Public opening 8-10 p.m. Regular gallery hours 8:30 a.m.-4 p.m. Mon.-Fri.; 2-5 p.m. Sun. (except during paid events in Northrop). Free.

(MORE)

- Wed., Nov. 6 -- University Gallery: Don Paden, photography, and Jacque Bakke, ceramics, M. F. A. exhibitions, through Nov. 30, Northrop auditorium. Public opening 8-10 p.m. Regular gallery hours 8:30 a.m.-4 p.m. Mon.-Fri.; 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Thurs., Nov. 7 -- "Tense Days in the Late Thirties -- Personal Recollections," lecture by Erich Kordt (see Monday), room 370 Anderson hall, 3:15 p.m. Free.
- Thurs., Nov. 7 -- "Photon and Electron Beam Accessed Memories," lecture by D. O. Smith of Lincoln Laboratories, Boston, Mass., room 25 Architecture, 4:15 p.m. Free.
- Thurs., Nov. 7 -- "Where Do We Go From Here?", speech by Edward P. Morgan, chief correspondent for the National Educational Television Network's Public Broadcast Laboratory, Museum of Natural History auditorium, 8:15 p.m. Free.
- Thurs., Nov. 7 -- "A Flea in Her Ear," French farce by Georges Feydeau, Scott hall auditorium, 8 p.m. Thursday and Friday, 7 and 10 p.m. Saturday, and 3:30 p.m. Sunday. Admission.
- Fri., Nov. 8 -- "Lovers of Tereul," University Film Society, Museum of Natural History auditorium, 7:30 and 9:30 p.m. Admission.
- Fri., Nov. 8 -- "The Whole," coffeehouse with local talent, Coffman Union, Friday and Saturday 8:30 p.m. to 1 a.m.; Sunday 8:30 p.m.-midnight. Admission.
- Sun., Nov. 10 -- "The Royal Pardon," children's play by John Arden and Margaretta D'Arcy, sponsored by the University Young People's Theatre. Crawford Livingston Theatre, St. Paul, 2 p.m. Admission.
- Sun., Nov. 10 -- "Unchained Goddess," movie on weather, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 10 -- Stephen Chenette, trumpet recital, Grace Lutheran Church, 8 p.m. Free.

REGISTRATION FOR
SEX EDUCATION INSTITUTES
STILL OPEN AT 'U'

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For further information, contact:
LYNN MARASCO, 373-2126

(FOR IMMEDIATE RELEASE)

Registration for the Fourth Institute on Sex Education for teachers, parents, religious leaders and other interested adults, and "Sex and the Young Adult," a new program for those 17 to 25 years old, is still open at the University of Minnesota.

Both programs will be held Nov. 13-14, the adult sex education program during the days, and "Sex and the Young Adult" during the evenings, in Mayo auditorium.

Henry Bowman, professor of sociology at the University of Texas and a recipient of the Texas Student Association's award for outstanding teaching, will lead the young adult program.

"Most of the young people I've worked with blame adults for not talking or teaching about sex," said Mrs. Elizabeth Peterson, coordinator of parent and family life education in the General Extension Division.

"Our young adult program will give them a chance to talk about sex with an adult who is internationally recognized as an expert in the field of sex education, and who, in addition, is well liked by students."

The sex education institute for adults is a repeat of last year's institute. Speakers will be Bowman, Richard Hey of the Family Study Center at the University of Minnesota, Harlan Norem, academic dean of Augustana Academy, Canton, S. D., and Chester Pennington, senior minister of Hennepin Avenue United Methodist Church in Minneapolis.

Registration for both programs can be made through the Nolte Center for Continuing Education, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-3151.

"Sex and the Young Adult" registrations also are being taken at the campus YWCA, YWCA, 215 Coffman Union, and the campus YMCA, 1425 University ave. SE.

'U' STUDENTS INVITED
TO DO 'COMINGS AND GOINGS'
IN NEW YORK THEATRE

UNIVERSITY OF MINNESOTA
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For further information, contact:
JUDY VICK, 373-2126

(FOR RELEASE SATURDAY, NOV. 2)

A company of University of Minnesota theatre students, directed by Maxine Klein, has been invited to present its production of Megan Terry's play, "Comings and Goings," at the Cafe LaMama, an off-off-Broadway theatre in New York City's East Village, during the Christmas holidays.

The avant-garde production, with students cast in such varied roles as bacon slices, swimming fish, sirens, waves and hallelujahs, will be presented for local audiences in the Shevlin hall arena theatre at the University, Nov. 12-17.

Performances will be at 8 p.m. Tuesday through Saturday, Nov. 12-16; and at 3:30 p.m. Friday and Sunday, Nov. 15 and 17.

"The play is a happy communion between actors and audience -- in which each enjoys the other," said Mrs. Klein, associate professor of speech, communication, and theatre arts.

Each member of the cast plays some 50 roles while on stage. They portray machines, animals, people, oceans, deserts, inanimate objects, works of art and countless other things. All actors are on stage for the entire performance.

In New York and locally the group will also do "Kiss Rock," an original rock musical, directed by Mrs. Klein. The production was created by Mrs. Klein, Carolyn R. Fellman and Jacqueline Bertrand with music by Theodore P. Unseth and Lawrence Zetzmar.

Funds for the New York trip will be provided by a \$900 grant from the Minnesota State Arts Council and receipts from the University Theatre's Centennial Showboat season.

The cast for both the play and the musical include Leigh Abdallah, Vanessa Bjornson, Lloyd Bremseth, Ivar Brogger, Patrick Burke, Cynthia Byrne, Carey Connell, Patricia Donaghue, Lana Vee, Terry Harris, Janice Hobbs, Merile Hobbs, Robert St. John Metcalf, Christian Mulke, Jr., Pamela Nice, Guy Schuessler, Mark Siegel and Rick Watson.

AWARD WINNER SAYS
RESEARCH AND TEACHING
BELONG TOGETHER

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For further information, contact:
BILL HAFLING, 373-2126

(FOR RELEASE SUNDAY, NOV. 3)

"Contrary to popular opinion, good teaching is both widespread and entirely possible at a large state-supported University," according to Rutherford Aris, professor of chemical engineering at the University of Minnesota.

Today (Nov. 3) Professor Aris was presented one of the 1969 E. Harris Harbison Awards for Distinguished Teaching in St. Louis, Mo., at a dinner given for recipients by the sponsoring organization, the Danforth Foundation. The Harbison Award is to "call attention to the qualities of teaching which encourage effective learning on the part of students."

"Research work goes hand in hand with good teaching," Aris said. "One of the functions of research is to give students experience in the work they'll be doing in the world and to introduce them to some of the more interesting problems in their field of study."

Aris cited the stimulating research atmosphere and good interaction of faculty members at the University as beneficial to both teaching and research activities.

Professor Aris is a graduate of London University in England, first coming to the University of Minnesota as a research fellow in chemical engineering in 1955. He became a professor at the University in 1963, and associate head of the department of chemical engineering in 1965.

Aris is the author of five books, including "Vectors, Tensors and the Basic Equation of Fluid Mechanics," published in 1962. He is also on the editorial advisory board of "Chemical and Engineering News," the official publication of the American Chemical Society.

Named in honor of E. Harris Harbison, the late Princeton University history professor and trustee of the Danforth Foundation, the award endeavors to recognize unusual accomplishments in college teaching, but "not at the expense of other types of responsibility which the competent teacher-scholar bears." The award has been given annually since 1963.

The Danforth Foundation was created in 1927 by the late Mr. and Mrs. William Danforth of St. Louis to "strengthen education and to develop equal opportunities for all citizens."

'U' FAMILY STUDY CENTER
RECEIVES GRANT TO STUDY
FAMILY PROBLEM SOLVING

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(FOR IMMEDIATE RELEASE)

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

Family problem solving will be studied under a \$791,389 grant awarded recently to the University of Minnesota Family Study Center by the National Institute of Mental Health.

Four investigators will be responsible for carrying out the several projects in the five-year program which is designed to help families develop better ways of solving their problems in such situations as child-rearing, finances, marital relationships and the loss of family members.

The investigators are Joan Aldous, associate professor of family studies and sociology at Minnesota; Reuben Hill, University professor of sociology and former director of the Family Study Center; Murray A. Straus, former Minnesota faculty member and now professor of sociology at the University of New Hampshire; and Irving Tallman, former associate professor at Minnesota and now associate professor of sociology at the University of California, Riverside.

Three of the four investigators are using game situations to help families find new ways to solve their problems. The families are observed as they play games that are so designed that new ideas receive high credit and formerly successful moves are penalized. The games also give the investigators the opportunity to observe communication among the family members and determine the relationship of communication to problem-solving.

Real-life situations, such as engaged couples preparing for marriage, are also being studied by the investigators.

Each investigator is also studying an area of special interest to him. Miss Aldous is studying children's originality in solving problems in games and its relationship to their parents' behavior. Families in crises -- in Minneapolis, San Juan, Puerto Rico, and Bombay, India -- are being studied by Professor Straus. Parents' ability to adapt to problem situations is being studied by Professor Tallman. Professor Hill is investigating family decision-making about the optimum timing of marriage in the United States and abroad.

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NANCY PIRSIG, 373-2126

MUSIC DEPT.
TO PRESENT
STEPHEN CHENETTE

(FOR IMMEDIATE RELEASE)

Stephen Chenette, principal trumpet player with the Minnesota Orchestra and an instructor in the University of Minnesota music department, will be presented in a recital at 8 p.m. Sunday (Nov. 10) at Grace University Lutheran Church, Harvard and Delaware streets SE., Minneapolis.

Performing with Chenette will be Philip Brunelle, Markell C. Brooks pianist and a percussionist with the Minnesota Orchestra; and Robert Jamieson, John and Elizabeth Bates Cowles principal violincellist with the Minnesota Orchestra.

The free public program is sponsored by the University of Minnesota departments of music and music education.

Works to be performed include the first midwest performance of Sonata, Op. 21, by Yves Chardon, a former member of the Minnesota Orchestra; Legend by Georges Enesco, Concerto for Trumpet and Orchestra by Johann Nepomuk Hummel, and two preludes by Bach.

Originally from New Mexico, Chenette has played with the Boston Pops, the Denver Symphony, the Buffalo Philharmonic and the St. Paul Chamber Orchestra. He received a bachelor's degree from the Curtis Institute of Music in Philadelphia and is a candidate for a master's degree from Minnesota.

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O'BRIEN VISITING LECTURER
TO GIVE 3 TALKS AT 'U'

(FOR IMMEDIATE RELEASE)

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

Dr. A.J. Ballantyne, associate professor of surgery at the University of Texas, will deliver three lectures at the University of Minnesota this week as the eighth William O'Brien Visiting Lecturer.

Sponsored by the Minnesota Division of the American Cancer Society, Dr. Ballantyne will be discussing aspects of his work in head and neck surgery. He is an associate surgeon at the M.D. Anderson Hospital and Tumor Institute in Houston, Texas.

His schedule at University Hospitals:

"The Management of Carcinoma of the Pharyngeal Wall, Postcrioid Area and Cervical Esophagus," at 11:30 a.m. Thursday (Nov. 7) in Todd Amphitheater;

Problem of Recurrence of Head and Neck Cancer," at 2 p.m. Friday (Nov. 8) in B-507 Mayo;

"The Present Status of Pre- and Post-operative Irradiation for Cancer of the Head and Neck," at 11 a.m. Saturday (Nov. 9) in Todd Amphitheater.

Dr. Ballantyne received his doctor of medicine degree in 1942 from the Columbia University School of Medicine. He was on the staff of the Mayo Clinic in Rochester from 1948 to 1952 and was named a fellow of the American Board of Surgery in 1954. In 1956 he received his master of science degree in surgery at the University of Minnesota.

The O'Brien Visiting Lectureship honors Dr. William O'Brien, director of the School of Public Health at the University of Minnesota, who died in 1947 after 26 years there. Dr. O'Brien, also a professor of pathology, was University Hospitals pathologist and directed a course in medical technology. He instituted conferences which were later expanded into weekly general staff meetings.

A born teacher, Dr. O'Brien became director of postgraduate education for the College of Medical Sciences, and also served as president of the Minnesota Cancer Society for several years.

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ALL-UNIVERSITY 'EQUAL EMPLOYMENT
OPPORTUNITY' POLICY TO BE ISSUED

(FOR IMMEDIATE RELEASE)

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

The University of Minnesota is moving forward on a broad front in extending equal employment opportunities, according to Vice President Donald K. Smith, interim Equal Employment Opportunity officer.

Meetings last week between Smith and the three new affirmative action officers --- James Hogg, Eugene Kogl and Lee Hart --- helped define courses of action to be taken in three areas: civil service, academic administration, and University construction work. (Hogg is assistant vice president for academic administration, Kogl is supervising engineer in plant services, and Hart is associate director for civil service personnel.)

First, decision was reached that Smith and the three officers will initiate discussions aimed at developing a new University-wide policy on equal employment opportunities.

"Our group believes," said Smith, "that, while our three different realms have moved in various ways in recent years to affirm the University's position as an equal opportunity agency, nevertheless progress could be stimulated by a clear policy affecting all realms of University activity. We intend to expedite the development of such a policy, and to submit it to the president for possible transmission to the Board of Regents."

Second, H.U.D. officials in Chicago will be invited to the University as soon as feasible to confer with Smith, the affirmative action officers, and representatives from the Task Force on Human Rights.

According to Smith, the criticism of the University voiced by H.U.D. official Ben S. Wattenberg in a recent meeting of the task force "does not seem to square with the written record of University actions on equal opportunity in its construction projects. We need to nail down the facts about what the University has or hasn't done, so that we can move to take additional affirmative actions open to the University and likely to promote equal employment opportunity!" (MORE)

Third, consultations are being initiated with other universities and other public agencies involved in equal opportunity programs. The purpose of such consultations will be to uncover policies and actions which other agencies have found effective and which could be used by the University of Minnesota.

In the area of academic administration, Assistant Vice President Hogg has started consultations with the sub-committee of the Task Force on Human Rights dealing with academic affairs. According to Hogg, the University has moved vigorously in the last six months to extend educational opportunity to disadvantaged students, which is one of its most important contributions to equal employment opportunity.

"There may be further steps we can and should take," said Hogg, "to open opportunities for employment to minority groups, and we will seek to define and act on these as rapidly as possible."

In the Civil Service area, the affirmative action group conferred with Frank Pieper, director of civil service personnel, on the variety of actions undertaken by Civil Service in the last year to extend employment opportunities. It was also announced that the Department of Civil Service is now moving to employ a full-time affirmative action representative who will work with Lee Hart on furthering the equal opportunity programs of the department.

"I am encouraged" said Smith, "by the fact that there are many specific lines of policy and action available to us to strengthen the University's equal opportunity program. We can and will make progress."

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HISTORY OF U'S MEDICAL
COLLEGE IS PUBLISHED

(FOR IMMEDIATE RELEASE)

A 1,100-page history of the University of Minnesota's College of Medical Sciences has been published -- the culmination of six years' research and writing by its author, Dr. Jay Arthur Myers, professor emeritus of internal medicine and public health.

Publication of "Masters of Medicine, An Historical Sketch of the College of Medical Sciences, University of Minnesota, 1888-1966" --- which includes some 245 pictures --- was made possible by a \$20,000 gift from Dr. Frank McKinney, a Minneapolis surgeon who practiced with Dr. Myers, a 1920 graduate of the University's Medical School.

A reception for Dr. Myers and for the publisher, Warren H. Green of St. Louis, Mo., will be held from 4 to 6 p.m. Wednesday (Nov. 6) in the Campus Club of Coffman Memorial Union.

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ROBERT LEE, 373-5830

PEDIATRIC CARDIOLOGY
CHAIR IS ENDOWED;
DR LUCAS IS RECIPIENT

(FOR IMMEDIATE RELEASE)

Dr. Russell V. Lucas, Jr., associate professor of pediatrics, has been named the recipient of a recently endowed chair in pediatric cardiology at the University of Minnesota.

Dr. and Mrs. Paul F. Dwan of 3401 Overlook dr., Bloomington, will provide \$40,000 a year for 20 years through a charitable trust. The purpose of the endowment is to continue the teaching, research and patient care in an area in which Dr. Dwan pioneered and has shown special interest for 30 years.

Dr. Lucas, a diplomat of both the American Board of Pediatrics and the Subspecialty Board of Pediatric Cardiology, explained the chair will enable him to take a long-range view of pediatric cardiology and concentrate his efforts in those areas of teaching, research and patient care he feels are most important.

The Paul F. and Faith S. Dwan Chair in Pediatric Cardiology will enable Dr. Lucas to apply the knowledge gained in the laboratory to improving patient care. He is especially interested in improving the care of infants born with heart disease, half of whom die within their first year of life. To do so requires an increased research effort, improved education for doctors, nurses and other medical personnel, and improved facilities for the care of these infants.

"The secret to better care for these infants is in the team approach," Dr. Lucas says, "---researcher, doctor, and the numerous other medical people. It's through a combination of all their efforts that diagnosis can be achieved within the first weeks of life and treatment accomplished."

(MORE)

Dr. Lucas, of 3264 N. Victoria, St. Paul, received his doctor of medicine degree in 1954 from Washington University, St. Louis, Mo., and interned at the University of Minnesota. His residency in the University pediatrics department was split by service in the U.S. Army. He returned to the University in 1966 from West Virginia University.

Dr. Dwan graduated from the University of Minnesota in 1924 and received his doctor of medicine degree in 1928 from the Harvard School of Medicine. He has been on the clinic staff of the pediatrics department since 1931 and is now a clinical professor. He was one of the organizers and a former president of the Minnesota Heart Association.

U.S. STATE DEPARTMENT
OFFICIALS TO SPEAK IN
FOUR MINNESOTA CITIES

UNIVERSITY OF MINNESOTA
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(FOR IMMEDIATE RELEASE)

For further information, contact:
LYNN MARASCO, 373-2126

Twin Citians will get "State Department Reports from Around the World" on Nov. 15 when a team of foreign service officers from the U. S. Department of State will be speaking in the metropolitan area.

Sent by the State Department's "community meetings on foreign policy" program, the speakers were invited by the University of Minnesota's World Affairs Center, part of the General Extension Division.

They will speak at a noon-to-2 p.m. luncheon at the Sheraton-Ritz Hotel in Minneapolis on Friday, Nov. 15. The public is invited to attend the luncheon and can make reservations by calling the local Foreign Policy Association office, another of the sponsors, at 373-3170.

Prior to their Twin Cities visit, the speakers will be in Rochester Nov. 12, in Austin Nov. 13 and in Mankato Nov. 14. The League of Women Voters and other organizations in each of these cities have planned the following public events:

Rochester: Chamber of Commerce luncheon, 12:15 p.m., Tycoon Room of the Depot House (\$2.50) and public meeting at 8:30 p.m. in Mayo Civic Auditorium (50 cents).

Austin: Public meeting at 8 p.m. in Ellis Junior High School (free).

Mankato: Public meeting at 8 p.m. in Morris Hall auditorium of Mankato State College (free).

In addition to the public presentations in each of the four cities, the speakers will visit schools and colleges and meet with teachers, said Barbara Stuhler, associate director of the World Affairs Center. The purpose of the entire program is to spread vital information on foreign policy issues, she said.

(MORE)

The members of the speaking team are:

Thomas J. Barnes, country officer for Laos, Bureau of East Asian and Pacific Affairs. Barnes is a native of St. Paul and holds bachelor's and master's degrees from the University of Minnesota. He has held diplomatic and consular posts in Saigon and Hue, Vietnam; Bangkok, Thailand; and Vientiane, Laos. He was senior adviser to Binh Long Province, Vietnam, in 1967-68 under the auspices of the U. S. civilian and military aid programs.

Christine Camp, chief of the speakers and community meetings division of the Bureau of Public Affairs. Prior to joining the staff of Sen. John F. Kennedy in 1959, Miss Camp served on the American Embassy staff in Afghanistan and the first U. S. trade mission to India. After the 1960 election she became executive secretary to the President's press secretary, a position she held until May 1964, when she joined the Department of State as public information officer for the Bureau of Security and Consular Affairs. In October and November of 1966, she was temporarily assigned to the White House press office staff to prepare the presidential and press schedules for President Johnson's trip to Asia.

John D. Hemenway, Berlin desk officer, Bureau of European Affairs. Hemenway was first assigned to the U. S. consulate in Munich, Germany, and later became political officer to the American embassy in Moscow. Since 1963, he has done Soviet research and served in the all-German affairs section at the state department.

Edward W. Holmes, country director for Malawi, Zambia, Angola, Mozambique and Portuguese Guinea, Bureau of African Affairs. Since becoming a foreign service officer in 1946, Holmes has had diplomatic and consular assignments in Venezuela, Israel, South Africa, Ethiopia and Malawi.

Thomas C. Lyons, demographic analyst for the population service in the Agency for International Development's (AID) war on hunger. Before joining AID in 1966, Lyons was assistant dean of men at Ohio University and professor of American government and constitutional law at the University of Virginia. He was associated with Planned Parenthood-World Population, the Library of Congress' Legislative Reference Service and the Population Reference Bureau, and is the author of numerous publications concerning the U.S. population crisis hearings in the U. S. Senate.

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NURSING FOUNDATION
TO SPONSOR
'STAR' PREMIERE

(FOR IMMEDIATE RELEASE)

Nursing students at the University of Minnesota will benefit from the Thursday, Nov. 14, premiere of the motion picture film "Star!", starring Julie Andrews.

The 8 p.m. showing at the downtown Mann theatre is sponsored by the University of Minnesota School of Nursing Foundation. Proceeds will be used for scholarships for nursing students.

"One of the critical needs for nursing students is scholarships --- both to encourage young women to enter nursing and to enable young women to remain in nursing," said Mrs. Elva D. Walker, Minneapolis, president of the foundation.

"We continually have more requests for scholarships than we are able to meet," said Edna Fritz, director of the School of Nursing.

Since July 1, 1967, the foundation has awarded 17 scholarships to students, totalling \$5,300.

Mrs. Walker said there is currently a need for 117,000 additional nurses in the United States.

Mrs. Charles Mayo, White Bear Lake, and Mrs. Bertrum Schiele, Minneapolis, are chairmen of the foundation resources committee which is in charge of arrangements for the premiere. The movie is the story of musical star Gertrude Lawrence.

Tickets may be reserved through Mrs. Paul Carroll at 335-4517; or by calling 373-2126.

PAULU, 'U' RADIO & TV HEAD, RECEIVES
INTERNATIONAL BROADCASTING AWARD

(FOR IMMEDIATE RELEASE)

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Burton Paulu, director of the department of radio and television in the University of Minnesota General Extension Division, recently received the executive shield of the International Broadcasters Society of Bossum, The Netherlands.

Awarded to Paulu for "outstanding contributions to education, especially the education of broadcasting professionals" and to "acknowledge the extraordinary services of this eminent scholar, especially his search for better understanding of the uses already being made of broadcasting in different countries," the shield was presented to him last week.

Among the other 13 recipients of the 1968 award were C. M. Jansky, Jr., of the Atlantic Research Corporation of Washington, D. C., Harry Skornia, professor of radio and television at the University of Illinois, Urbana, Ill.; and 11 men from Denmark, France, Great Britain, West Germany, Holland, Mexico, Nigeria, and Switzerland.

The awards were presented at the 1968 International Radio-Television-Press Exhibition in Hilversum, Holland, in September. Paulu, who was in Moscow, was not able to attend the ceremonies and received the plaque last week from Jansky, who accepted the awards for the three American winners at the Hilversum ceremony.

Paulu was director of KUOM, the University radio station, from 1938 to 1957, when the department of radio and television was created and he became its head.

He is the author of numerous books and articles on national and international radio and television broadcasting, including "Radio and Television Broadcasting on the European Continent," published a year ago by the University of Minnesota Press.

UNIVERSITY OF MINNESOTA EVENTS

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FILM SOCIETY TO SHOW
FRENCH DRAMA-BALLET

A 1962 French film, "Lovers of Teruel," will be shown by the University Film Society Friday (Nov. 8), at 7:30 and 9:30 p.m. in the Bell Museum of Natural History auditorium.

The movie, starring Ludmilla Tscherina and directed by Raymond Rouleau, is described by Film Society Director Al Milgrom, humanities instructor, as "the Renaissance legend of star-crossed lovers of Teruel, Spain, turned into drama-ballet (a la 'Red Shoes'). A good flick to help you forget the election."

'U' CONCERT CHOIRS
TO SING NOV. 24

The University of Minnesota Concert Choirs will present a concert, free and open to the public, at 2 p.m. Sunday, Nov. 24, in Mayo auditorium on the Minneapolis campus.

The two Concert Choirs consist of 20 voices each, selected from the 350-voice University Chorus. The choirs are under the direction of LeRoy Larson and Thomas Inglis, graduate students in music.

The program will include works from Palestrina, Byrd, Scarlatti, Hindemith, Kodaly and Vaughan-Williams. Also on the program will be a wind ensemble playing Beethoven's Trio for 2 Oboes and English Horn.

-UNS-

UNIVERSITY OF MINNESOTA NEWS NOTES

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MINNEAPOLIS, MINNESOTA 55455
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NOVEMBER 6, 1968

'U' CHEMISTRY PROFS
TEACH COURSE IN D.C.

Associate Professor James R. Bolton and Professor John E. Wertz, of the University of Minnesota chemistry department, conducted a short course in Washington, D.C., recently.

The course, under the sponsorship of the American Chemical Society, was in "Electron Spin Resonance." Electron spin resonance is an increasingly important method of attempting to study the structure of certain molecules, especially those with unevenly numbered or unpaired electrons.

The course was attended by 38 industrial and academic chemists from the Eastern Seaboard states.

'U'. PRESS PUBLISHES
'SCULPTURE WITH TORCH'

"Sculpture With a Torch" by John Rood has recently been published in paperback by the University of Minnesota Press.

The book, No. 17 in the Minnesota Paperbacks series, is a practical how-to-do-it discussion of welded metal sculpture and includes numerous illustrations. Rood is a former professor of art at the University of Minnesota. Katherine Nash, University of Minnesota professor of studio arts, is among the artists whose works are shown in the book.

'U' RECEIVES GRANT
FROM OIL COMPANY

The University of Minnesota recently received a \$2,000 grant from the Humble Oil and Refining Co. of Oak Brook, Ill.

The departments of chemical and mechanical engineering will receive \$1,000 each. The only stipulation made by the grant is that the money be used to improve the quality of teaching and research or to enable outstanding students to continue their education. The University is one of 95 colleges and universities receiving a total of \$393,000 from Humble.

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NOVEMBER 6, 1968

For further information, contact:
BILL HAFLING, 373-2126

'OFF-BEAT PROJECT' FUND
SUPPORTS STUDENT'S RESEARCH

(FOR IMMEDIATE RELEASE)

Instead of working as a laborer in a warehouse for higher wages, an engineering student at the University of Minnesota did research in methods to cut down the vibration in aircraft this past summer.

Money --- a whopping \$300 --- from a fund known as the Lazan Fund made the difference. The fund was first used this year to supplement the part-time earnings of Michael Regenfuss, a junior in aeronautics and engineering mechanics, enabling him to afford to take the undergraduate research appointment.

"Regenfuss," according to Professor Robert Plunkett, "is a truly exceptional student having a nearly straight 'A' record in the very demanding engineering program."

The Lazan Fund is named after the late Professor B.J. Lazan, former head of the department of aeronautics and engineering mechanics. Lazan, who was very much interested in improving informal interaction between students and faculty and between the department and the public, donated a fund to be used for "off-beat" projects which could not be financed through normal channels.

Regenfuss lettered in basketball for the 1967-68 season as a sophomore. He is from Superior, Wis. and also holds a tuition scholarship.

According to Plunkett, "the committee felt that this use of the Lazan Fund would have pleased Dr. Lazan, who was a well-known amateur athlete."

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For further information, contact:
PATRICIA JULIANI, 373-2126

NROTC APPLICATIONS
DUE NOV. 15 AT 'U'

(FOR IMMEDIATE RELEASE)

Applications for enrollment in the Regular Naval Reserve Officers Training Corps (NROTC) for the 1969-70 academic year must be submitted before Friday, Nov. 15, according to Captain W. T. Broughton, USN, professor of naval science and commanding officer of the NROTC unit at the University of Minnesota.

The Regular NROTC program, designed to train career officers for the Navy and Marine Corps, includes payment by the Navy of the student's tuition, educational fees, textbooks and uniforms in addition to providing a monthly subsistence allowance for the four years of his undergraduate work.

Upon graduation, midshipmen enrolled in this program will have earned regular commissions as ensigns in the U.S. Navy or as second lieutenants in the U.S. Marine Corps.

Information regarding this program and application forms for the examination are available from high school counselors and U.S. Navy recruiting stations, as well as from the NROTC unit, 203 Armory, University of Minnesota, Minneapolis, Minn. 55455.

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For further information, contact:
PATRICIA JULIANI, 373-2126

REAR ADMIRAL TO ADDRESS
NROTC BANQUET AT 'U'

(FOR IMMEDIATE RELEASE)

Rear Admiral James C. Donaldson, Jr., U.S. Navy, will give the principal address at the eighth annual Naval ROTC Parents and Son Banquet at 7:30 p.m. Saturday (Nov. 9) in Coffman Union main ballroom at the University of Minnesota.

"The dinner will give some 300 midshipmen and their parents a chance to meet with career naval officers, University officials, and some of their NROTC instructors," said Captain W.T. Broughton, commanding officer of the University NROTC unit.

Rear Admiral Donaldson is the director of Fleet Operations Division, Office of the Chief of Naval Operations. In the past, he served with the battleship Iowa during World War II and was in command of the USS Hermitage as it steamed off the shores of the Dominican Republic during the uprising there. In 1955 he took command of the attack aircraft carrier USS Hancock, during operations in the Vietnam area. He was awarded the Legion of Merit for his meritorious commanding of the Hancock during that period.

Rear Admiral Donaldson has also been awarded the Navy Unit Commendation Ribbon and numerous other decorations for performance in combat operations. These include the National Order of Vietnam Fifth Class accompanied by the Gallantry Cross and Palm, and the Republic of Vietnam Campaign Ribbon and Device.

The Parents and Son Banquet is sponsored by the University of Minnesota Navy ROTC unit and the Twin Cities chapter of the Navy League, a private organization of people interested in the Navy.

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

ISRAEL TUMOR INCIDENCE
REPORTED BY 'U' RESEARCHERS

(FOR IMMEDIATE RELEASE)

The frequency of nervous system tumors in Israel will be reported to the American Public Health Association, meeting Tuesday (Nov. 12) in Detroit, by Dr. Milton Alter, chief of neurology at the Minneapolis Veterans Administration Hospital.

Dr. Alter, also an associate professor of neurology at the University of Minnesota, determined, after collecting data for four months at Israeli medical centers, that tumor frequency was higher in European immigrants than in Afro-Asian immigrants. He found however that there was no difference in tumor type or tumor site between the two groups.

Israel was selected for the study because the inhabitants come from many different countries yet all population groups receive identical medical treatment.

Co-authors of the paper are Dr. Uri Leibowitz from the department of nervous diseases at Hebrew University, Jerusalem, and Dr. Michael Yablonski, post-doctoral fellow in the department of physiology at the University of Minnesota.

The study was supported by a grant from the Office of International Research, National Institutes of Health.

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
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WILLIAMS TO APPEAR ON FIRST IN
AFRO-AMERICAN HISTORY SERIES

"The Black Man in America: Myths and Realities" is the topic for the first broadcast in a new Afro-American history television course, which begins Tuesday (Nov. 12) on the University Television Hour at 9 p.m. on KTCA-TV, channel 2.

Milt Williams, educational director of The Way community center in Minneapolis, will be the guest of University associate professor of history Allan Spear, who is teaching the course.

Future broadcasts will trace Negro history from black slavery through black power.

The University Television Hour is an educational service of the General Extension Division.

HEART HOSPITAL TO BE SUBJECT
OF TELEVISION DOCUMENTARY

The Variety Club Heart Hospital at the University of Minnesota will be the subject of a documentary at 11:30 a.m. Sunday (Nov. 10) over KMSP-TV, channel 9.

Appearing on the 30-minute program will be Dr. Russell Lucas, associate professor of pediatrics; Dr. Yand Wange, associate professor of medicine; Thomas Jones, assistant to the director of University Hospitals; and Edward Schwartz, member of the Variety Club board of directors.

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

'U' COLLEGE OF LIBERAL ARTS
TO IMPLEMENT POLICY
OF PLANNED GROWTH

(FOR RELEASE FRIDAY, NOV. 8)

Because of critical demands on its resources and facilities, the University of Minnesota's College of Liberal Arts (CLA) will implement a planned-growth policy that will affect next fall's entering students, CLA Dean E. W. Ziebarth announced today (Friday, Nov. 8).

It had been hoped that additional enrollment safeguards would not be needed until the fall of 1970, Dean Ziebarth said, but the timetable had to be advanced when enrollment reached the 17,448 level this week.

University planners predicted that CLA enrollment might have climbed by as many as 1,200 students next fall unless some additional controls were imposed.

Faculty committees working intensively on the problem, Dean Ziebarth explained, decided on a review of standards and procedures governing admission at all four points at which students enter the college: as new freshmen from high schools, as transfer students from colleges outside the University, as transfers from within the University, and as adult special students.

The chief means of controlling the growth crisis within CLA will be through limitation on the entry of new freshmen. This is consistent with the University's previously announced policy of changing the proportion of lower to upper division students in the college. (Lower-division students --- those in their first two years --- currently number around 12,000; upper-division students --- juniors and seniors --- number 4,600.)

"It is also consistent with the development of a strong junior college system which will absorb many additional students," Dean Ziebarth said, "as will other colleges in the state."

(MORE)

No definite proportion has been determined for upper-to-lower-division students in the future, but "it is certainly not our intention to become exclusively a senior college and graduate institution," says Dean Ziebarth.

Freshmen applicants with a CAR (College Aptitude Rating) of 50 will continue to be considered for admission, as they have been since 1965. However, those with scores falling between 50 and 70 on the CAR scale will be subject to greater screening, and will be considered on an individual basis. Those with CAR scores of 70 or higher usually will be admitted.

High school principals and counselors throughout the state have been advised of the changing criteria. The chief criterion for admission, however, according to Dean Ziebarth, will remain the student's likelihood of academic success.

T. E. Kellogg, associate dean for admissions who worked with the CLA committees in setting up the new standards and procedures, has stressed that his office will be eager to get additional information on prospective freshmen from their high schools, particularly on those with a CAR score between 50 and 70.

The number of CLA adult special students currently is around 450. To help limit their numbers, those adult-special applicants who already hold bachelor's degrees will be asked to apply to the Graduate School or a professional school, so that most of this group will not find it necessary to register in CLA.

Transfer students from colleges outside the University will be judged primarily on a criterion of "prediction of success," a policy that has been in effect for the last two years. Before that, any student with a C average (2.0) was admitted automatically. The same approach will be used with regard to students transferring into CLA from other colleges of the University. The only change is that the standards used in predicting success will be tightened up somewhat, according to the dean.

(MORE)

The dean stressed that special committees within the college have been working intensively on the issue of growth planning since the fall enrollment figures became available. They recently made strong recommendations in favor of controlling growth next fall, and these recommendations were accepted by the standing committees of the college. Initial action in this field was taken by the CLA faculty last spring after lengthy deliberations.

President Malcolm Moos has endorsed the recommendations of the college regarding fall 1969 admissions. He emphasized, as did Dean Ziebarth, that the University was taking this action reluctantly, but that the current limitations on space are such that there is no satisfactory alternative that would not seriously impair educational quality --- a prospect the University finds completely unacceptable.

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

JAMES FORD BELL LIBRARY
ASSOCIATE TO MEET
TUESDAY IN NEW QUARTERS

(FOR IMMEDIATE RELEASE)

The Associates of the James Ford Bell Library will hold their annual meeting at 8 p.m. Tuesday (Nov. 12), their first ever in the new Wilson Library, on the West Bank of the University of Minnesota's Minneapolis campus.

The James Ford Bell Library, an historic collection of rare books, charts and manuscripts related to early world commerce, was moved in September, transplanting its old-worldly setting from Walter Library to the fourth floor of Wilson Library. Thus the first item of business at Tuesday's meeting will be an open house to acquaint the associates with their new quarters.

Following the annual election of members of the Board of Directors, the associates will hear an illustrated talk by Dr. Arthur C. Aufderheide of Duluth, a member of last year's Plaisted Polar Expedition.

Dr. Aufderheide served as physician and photographer for the expedition, which reached the North Pole last April. He was on the earlier, unsuccessful Plaisted Expedition of 1967 as well, and in 1966 lived in igloos with the Eskimos of the Central Canadian Arctic, eating raw seal and caribou meat, for the purpose of photographing a documentary film. In June 1964 Dr. Aufderheide floated down Canada's 1,200-mile-long Mackenzie River in the Northwest Territories.

A native of New Ulm, Dr. Aufderheide graduated from the University of Minnesota with an M.D. degree in 1946, completing studies in pathology in 1952. Since 1953 he has been chief of the pathology department at St. Mary's Hospital in Duluth.

The meeting is open to members only.

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

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GRAUBARD TO ADDRESS
ST. PAUL CAMPUS CONVO

Professor Mark Graubard, chairman of the natural science program at the University of Minnesota, will speak at a St. Paul campus convocation Tuesday.

He will talk at 10:15 a.m. in the North Star ballroom of the St. Paul Student Center on "The Anatomy of Change: Progress or Decay." The convocation is open free to the public.

Professor Graubard recently returned to the campus after a year of lecturing in Japan and India. His latest of many books, "In the Clutches of Homo and Sapience," was published in 1967. He is a leading writer on the early history of science, particularly alchemy, witchcraft, and beginning attempts at science.

He owns the largest collection in America of ancient scientific instruments such as water clocks, Heron's engines, gnomons, armillary and planimetric astrolabes. He has been at the University of Minnesota since 1947.

The convocation is sponsored by the convocations advisory committee.

CONCERT SET BY CHAMBER
SINGERS, ENSEMBLE

The University of Minnesota Chamber Singers and Instrumental Ensemble will be presented in a concert at 8 p.m. Sunday, Nov. 17, in Grace University Lutheran church, Harvard and Delaware streets SE., Minneapolis.

Directed by Charles Schwartz, associate professor of music, the Chamber Singers are 24 male and female singers who sing works from all periods --- the 15th to the 20th centuries. They are preparing for an April concert at the Guthrie Theatre in Minneapolis.

The Nov. 17 concert will include works by Des Pres, Scarlatti, Brahms, Mozart, Argento, Fetler, and others, and will end with some Christmas carols.

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'MAN FOR ALL SEASONS'
OPENS NOV. 22 AT SCOTT HALL

(FOR IMMEDIATE RELEASE)

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

"A Man for All Seasons," second offering of the 1968-69 University of Minnesota Theatre season, will open Friday, Nov. 22, for a six-day engagement in Scott hall.

The two-act drams is Robert Bolt's story of Sir Thomas More and his conflict with King Henry VIII over the king's divorce and remarriage to Anne Boleyn.

Performances will be at 8 p.m. Nov. 22, 27 and 29; at 7 and 10 p.m. Nov. 23 and 30; and at 3:30 p.m. Nov. 27 and Dec. 1. (There will be no performance on Nov. 28, Thanksgiving day.)

Tickets are available at \$2 at the Scott hall ticket office or Dayton's (\$1.25 for students). Seating is on a first-come, first-served basis.

"A Man for All Seasons" is directed by Theodore Herstand, associate professor of theatre arts. Set design is by Professor Wendell Josal and costumes by James Sharon.

Kenneth Albers, theatre graduate student and holder of a McKnight fellowship in acting, plays the leading role of Sir Thomas More, who loses his life for his principles --- called by Sameul Johnson "the person of the greatest virtue these islands ever produced."

King Henry VIII is played by Barry J. W. Steinman, and Lady Alice More, Sir Thomas's wife, by Norma Jean Wood, both theatre graduate students. Other roles will be handled by:

The Common Man.....	Bill Schoppert
Master Richard Rich.....	John Parriott
The Duke of Norfolk.....	Bruce McConachie
Lady Margaret More.....	Catherine Albers
Cardinal Wolsey.....	Warren Frost
Thomas Cromwell.....	Peter Goetz
Signor Chapuys.....	Ron Wendschuh
Roper.....	Steven Herrmann
A Woman.....	Brenda Baumhart
Thomas Cranmer Archbishop of Canterbury.....	Clyde Lund

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For further information, contact:
PATRICIA JULIANI, 373-2126

DELAYED STREET CHANGES
TO GO INTO EFFECT
TUESDAY AT U OF M

(FOR IMMEDIATE RELEASE)

After nearly two months of delay, the proposed street changes at the University of Minnesota will go into effect Tuesday (Nov. 12), it was announced by C.B. Hanscom, chief of University police.

"The changes are part of the long-range parking and circulation plan adopted last year," said Elmer Learn, University planner and executive assistant to the president. "They will provide added convenience for pedestrians and facilitate movement of intracampus buses."

Street changes on campus include:

* Church street (or Seventeenth avenue SE.) which will become two-way from Washington avenue to Fourth Street SE., with the area from Morrill hall to Washington avenue closed to all but buses and service vehicles serving buildings along the closed portion of the street. Turns onto Church street from Washington avenue will be restricted to buses only.

Contract parkers in lots C-26 and C-27 will be permitted to enter and leave the closed portions of the street from the north only.

* Pillsbury, between Fifteenth avenue and Church street, which will be closed to all traffic except buses and service trucks. The transient parking area behind Nolte Center for Continuing Education will be eliminated.

* Union street, which has been one-way at Washington avenue and will become a two-way. Patrons to the Washington-avenue ramp must enter by going north on Harvard at Washington avenue and proceeding behind the ramp to the west entrance. This portion of Harvard street is to be used only by ramp patrons. Exit from the ramp will be from the east end.

(MORE)

STREET CHANGES

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All of these revisions are subject to change under police supervision during special events such as concert nights and athletic events.

The East-West Bank bus will follow the present eastbound route for both east and westbound travel from Jones hall to the West Bank. A new stop for westbound traffic will be made on Church street, south of Morrill hall.

The Auditorium drive north of Morrill hall will be one-way with the entrance behind Pillsbury hall and the exit by Morrill hall. Entrance to the parking lot will be located next to Northrop auditorium rather than on Church street.

For information regarding the new traffic pattern, contact A.R Vernes, assistant chief of police, at 373-3550. Questions regarding the East-West Bank bus should be directed to Glenn Johnston at 373-2777.

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UNIVERSITY OF MINNESOTA
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For further information, contact:
LYNN MARASCO, 373-2126

MACPHAIL TO PRESENT
FACULTY IN FREE
CONCERTO PROGRAM

(FOR IMMEDIATE RELEASE)

MacPhail Center for the Performing Arts will present a faculty concerto program Sunday, Nov. 17 at 8 p.m. in the First Unitarian Society, 900 Mount Curve ave., Minneapolis.

The program will be free and open to the public and a reception will follow the concert.

Richard Sieber, conductor of the University of Minnesota Symphony Orchestra and coordinator of continuing music education in the University's General Extension Division, will conduct the orchestra.

Soloists for the program are as follows:

Variations on a theme of Paganini.....Rachmaninoff
Karen Johnson, piano
Concerto in A minor (first movement).....Schumann
Sherry Bjorklund, piano
Concerto in E minor (first movement).....Chopin
Susan Hellerud Standen, piano
Concerto in D minor (first movement).....Bach
LaVerne Smith, piano
Toccata for Organ and Orchestra.....Barber
Steve Gentile, organ
Jewell Sonf from "Faust".....Gounod
Maret Pank, soprano
Introduction, Rondo and Capriccioso.....St. Saens
Mark Bjork, violin
Concerto in C minor (first movement).....Beethoven
Gary Sipes, piano
Concerto for two pianos in E Flat (first movement).....Mozart
Elsie Wolf Campbell and Theodore Bergman
Concerto for two pianos in C minor (third movement)....Bach
Maricarol Hansen Morstad and Cleo Munden Hiner

MacPhail Center is a part of the General Extension Division of the University of Minnesota.

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

2 PHOTOGRAPHIC EXHIBITS
SHOWING IN COFFMAN UNION

(FOR IMMEDIATE RELEASE)

Two photographic exhibits currently are on display in Coffman Union. They are "Children of the World," a photo display by Rohn Engh, free-lance photographer for national magazines; and a photo documentary of "The Walker-Bryant Art Workshop."

The Engh show is set up on easels in the CMU main lounge, where it will remain through Friday, Dec. 6. It shows camera glimpses of children on their way to growing up, as photographed in Africa, Europe and Central America, as well as in the United States.

Engh attended the Maryland Institute of Design in Baltimore and was a painter before taking up the camera, a medium he now uses exclusively. His work has won many prizes and awards.

"The Walker-Bryant Art Workshop" documents a summer art project for high school students primarily from inner-city areas, conducted last July. Almost 100 students attended the workshop, which was sponsored by Walker Art Center and the Minneapolis public schools with the help of the Minnesota State Arts Council. Professional artists and teachers worked with the children, stressing new approaches and unconventional materials. Projects were in a variety of media, including large-scale sculptures and environments using light and sound.

The CMU exhibition, on view in Coffman Gallery through Sunday, Nov. 17, includes some of the innovative art work produced by the young people. The students were selected on the basis of strong creative ability and interest in art, as well as their potential placement as junior instructors and teachers' aides in schools and neighborhood houses.

The show was originally produced for Walker Art Center.

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LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF NOVEMBER 10-17

- Sun., Nov. 10 -- University Gallery: Jerome Hill, paintings, through Nov. 30, Northrop Auditorium, 8:30 a.m.-4 p.m. Mon.-Fri.; 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Sun., Nov. 10 -- University Gallery: Don Paden, photography, and Jacque Bakke, ceramics M. F. A. exhibitions, through Nov. 30, Northrop auditorium, hours listed above. Free.
- Sun., Nov. 10 -- "The Royal Pardon," children's play by John Arden and Margaretta D'Arcy sponsored by the University Young People's Theatre. Crawford Livingston Theatre, St. Paul, 2 p.m. Admission.
- Sun., Nov. 10 -- "Unchained Goddess," movie on weather, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 10 -- "A Flea in Her Ear," French farce by Georges Feydeau, final performance, Scott hall auditorium, 3:30 p.m. Admission.
- Sun., Nov. 10 -- "Reflections on Elections," Dudley Riggs, Baptist Student Fellowship, Thirteenth and University aves. SE., 5:30 p.m. Supper 50 cents.
- Sun., Nov. 10 -- "The Whole," coffeehouse with local talent, Coffman Union, 8:30 p.m.-midnight. Admission 25 cents.
- Sun., Nov. 10 -- Stephen Chenette, trumpet recital, Grace University Lutheran Church, Harvard and Delaware sts. SE., 8 p.m. Free.
- Mon., Nov. 11 -- Veterans Day, University holiday.
- Tues., Nov. 12 -- "The Anatomy of Change: Progress or Decay," convocation lecture by Mark Graubard, chairman of the University of Minnesota natural science program, North Star ballroom, St. Paul Student Center, 10:15 a.m. Free. (St. Paul campus)
- Tues., Nov. 12 -- Films of the Minnesota-Purdue football game, Coffman Union main ballroom, 11 a.m.-12:30 p.m. Free.
- Wed., Nov. 13 -- "The Genesis of Pakistan: The Communal Triangle in Indian Nationalism," lecture by Anil Seal, lecturer in history at Cambridge University, Murphy hall auditorium, 7 p.m. Free.
- Wed., Nov. 13 -- "Conformational Changes in the Regulation of Enzyme Activity," lecture by Daniel E. Koshland, Jr., department of biochemistry, University of California, Berkeley, North Star ballroom, St. Paul Student Center, 7:30 p.m. Free. (St. Paul campus)
- Wed., Nov. 13 -- "Nuclear Pollution," lecture by Dean Abrahamson, University of Minnesota assistant professor of anatomy, Museum of Natural History, 7:30 p.m. Free.

(MORE)

CALENDAR

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- Wed., Nov. 13 -- "Slavery in America," lecture by Gene Genovese, professor of history, Sir George Williams College, Montreal, Canada, second in a series of six lectures on color and culture in America, room 45 Nicholson hall, 8:30 p.m. Admission.
- Thurs., Nov. 14 -- "Magnetic Domains in a Dziale Shinskii Ferromagnet," lecture by A. H. Morrish of the University of Manitoba, Winnipeg, Canada, Room 25 Architecture, 4:15 p.m. Free.
- Thurs., Nov. 14 -- School of Nursing Foundation benefit premiere of "Star!", downtown Mann theatre, 8 p.m. Admission.
- Fri., Nov. 15 -- "State Department Reports from Around the World," five speakers from the U. S. Department of State, luncheon meeting at the Sheraton Ritz Hotel, noon. Luncheon \$3.50 and reservations. Admission after lunch, 50 cents; no charge to students.
- Fri., Nov. 15 -- University Film Society, Nicholson hall auditorium, "Tol'able David," 7:30 p.m. and "Foolish Wives," 9:15 p.m. Admission.
- Fri., Nov. 15 -- "New Excavations at Ancient Corinth," illustrated lecture by James Wiseman, associate professor of classics at the University of Texas, Murphy hall auditorium, 7:30 p.m. Free.
- Fri., Nov. 15 -- "The Whole," coffeehouse with local talent, Coffman Union, Friday and Saturday 8:30 p.m.- 1 a.m., 50 cents; Sunday 8:30 p.m.-midnight, 25 cents.
- Sun., Nov. 17 -- "How Animals Communicate," film on animal messages, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 17 -- Football marching band concert, Northrop auditorium, 4 p.m. Admission.
- Sun., Nov. 17 -- Chamber Singers, Grace University Lutheran Church, Harvard and Delaware sts. SE., 8 p.m. Free.

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UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

INDIAN HISTORY PROFESSOR
TO SPEAK AT 'U'

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 12, 1968

Anil Seal, lecturer in history at Cambridge University, England, will speak on "The Genesis of Pakistan-The Communal Triangle in Indian Nationalism," at 7 p.m. Wednesday (Nov. 13) in Murphy hall auditorium.

Professor Seal has recently been appointed director of studies in history to His Royal Majesty Prince of Wales at Cambridge. He is the first Indian to have such an advisory relationship with the royal family of Britain. Seal is the author of "The Emergence of Indian Nationalism," the first volume of a series now under way in England entitled "Political Changes in South Asia." He is now writing a volume called "India and the West."

A member of a distinguished Bengali family, Seal was educated at Canterbury and Cambridge. He has taught at the Universities of Wisconsin and Chicago since being appointed lecturer at Cambridge in 1963. This year he is a visiting professor at the University of Chicago.

Professor Seal's talk is sponsored by the South Asia Center at the University of Minnesota.

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NOVEMBER 12, 1968

For further information, contact:
LYNN MARASCO, 373-2126

NATIONAL EXPERTS TO
SPEAK AT MARKETING
BREAKFAST SERIES

(FOR IMMEDIATE RELEASE)

National authorities on marketing and related disciplines will speak at a series of 7:30 a.m. breakfast meetings for presidents, vice-presidents and other high-level business executives beginning Wednesday, Nov. 20.

The series, to be held in the Sheraton-Ritz Hotel, Minneapolis, is sponsored by the University of Minnesota's School of Business Administration and General Extension Division.

Leading off the series will be Lee Loevinger, commissioner of the Federal Communications Commission, who will discuss the social and economic impact of government regulation. He is a recent recipient of the University's Outstanding Achievement Award, presented to former University students who have attained high professional eminence.

Other speakers in the series will be:

Dec. 4 -- Frederic Welsh of the Eastman Kodak Company

Jan. 8 -- Reavis Cox of the University of Pennsylvania

Jan. 24 -- Philip Kotler of Northwestern University

Feb. 10 -- Marcus Alexis of the University of Rochester

Feb. 26 -- David Harding, president of Market Facts, Inc., Chicago

April 30 -- E. T. Grether of the University of California

May 14 -- T. J. Kreps of Stanford University

Anyone interested in attending the breakfast meetings can contact

Peter Rosko, director of continuing business education in the General Extension Division.

'U'THEATRE GROUP
SELECTED TO TOUR
SMALL DEFENSE BASES

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 12, 1968

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

(FOR IMMEDIATE RELEASE)

For the second time the University of Minnesota Theatre has been selected to participate in a pioneer program for entertaining U.S. troops abroad.

Frank M Whiting, director of the University Theatre, announced today (Tuesday, Nov. 12) that the University has been chosen by the United Service Organization (USO) and the American Educational Theatre Association (AETA) to send a group on the first entertainment tour of small "hardship units" authorized by the U.S. Defense department.

In 1958 the University Theatre was selected to participate in the USO-AETA's first Overseas Touring Program. The cast of "I Remember Mama," directed by Whiting, toured major bases in the Orient.

"This is an attempt to bring the entertainment where it is really needed," Whiting said.

A group of seven University Theatre students will leave next March for a 12-week "suitcase" tour of small units in the Mediterranean area. They will visit Spain, Morocco, Libya, Saudi Arabia, Lebanon, Ethiopia, Greece, Turkey, Cyprus and Italy, appearing in such places as on-board ships and at radar sites.

Directing the company will be Lee Adey, associate professor of speech, communication and theatre arts, who directed the University Theatre's recent production of "A Flea in Her Ear."

Auditions for members of the student cast are being held this week, Adey said. He indicated that the need is for cast members who can play a musical instrument and/or sing.

Including the first tour in 1958, this will be the fourth USO-AETA tour the University has participated in. In 1960 "The Matchmaker" cast directed by Arthur Ballet, professor of speech, communication and theatre arts, toured Iceland and Greenland. In 1964 the University Showboat's crew took "Zoey" to Europe.

NOTE TO NEWSMEN: The display can be photographed Friday morning.

'U' ARCHITECTURE STUDENTS
TO PRESENT EXHIBIT
OF ROMAN STUDY

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 12, 1968

For further information, contact:
PATRICIA JULIANI, 373-2126

(FOR IMMEDIATE RELEASE)

The University of Minnesota School of Architecture will present an exhibit of works done by 34 architecture students, who studied in Rome last spring, at 4 p.m. Friday (Nov. 15) in Mann Court of the Architecture building. University regents, administrative officials and others have been invited to attend the opening.

The display, which will run until Thanksgiving, consists of models, drawings and designs related to the transportation problem in Rome and its effect on urban and architectural forms of the city.

"This year's project was part of three experimental architectural studies of the transportation crisis in Rome," said John S. Myers, architecture professor who accompanied the students abroad and under whose direction they studied. "The first studies were accomplished in the spring quarters of 1966 and 1967."

A major goal of the study project was to develop a research technique which could be applied to future projects in any city throughout the world.

"We also wanted to develop an agreeable and mutually beneficial working relationship," said Myers, "between my design team and me, and the Roman architects, planners, government officials, and students of architecture."

The success of this venture is illustrated by the fact that Paolo Ghera, outstanding Roman architect, planner, and educator, was attracted to accept a Hill Visiting Lectureship at the University in the winter of 1968.

"The increase of lecturer exchanges will be the inevitable result of the project," said Myers.

Myers explained that the project has proven that students can live and work abroad while they are accomplishing highly original work. The students, who received no financial subsidy, have been "extraordinary emissaries of the University and this country, in contrast to the dissenters of our times," said Myers.

Research drawings and models of the Rome project have been widely exhibited in Europe and this country and have been the subject of television and radio programs.

Myers said that future projects will cover the area of transportation studies throughout the world.

6 'U' LAW STUDENTS
PICKED FOR REGIONAL
MOOT COURT COMPETITION

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 12, 1968

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

Six University of Minnesota law students --- all seniors --- will travel to Omaha, Neb., Thursday (Nov. 14) to take part in three days of regional Moot Court competition.

The six, who won a campus competition held in October, are:

Orville Fisher, Minneapolis;

Larry Houk, Grove City, Minn.;

Theodore May, Sioux Falls, S.D.;

Vance Opperman, St. Paul;

Jeffrey Schwartz, Los Angeles, Calif.;

Thomas Wenner, Cold Spring, Minn.

The winning team from the Omaha meet will take part in national competition in New York City in December.

The theoretical case being argued by all contestants is George Ivan Joseph vs. the United States of America, in which Joseph, a fictitious army private, refuses to participate in the Vietnam war. He seeks an injunction restraining the secretary of defense from forcing him to serve in Vietnam, and also seeks a declaratory judgment stating that the war is illegal, unconstitutional and immoral.

The case is being argued as an appeal to the U.S. Supreme Court, after having been lost in the Federal District Court and the Court of Appeals.

Fisher, Opperman and Schwartz will argue the case for the defendant while Houk, May and Wenner will represent the United States. However, each team must trade sides once during the competition.

The National Moot Court Competition is sponsored annually by the Young Lawyers Committee of the Association of the Bar of the City of New York.

NEWSMEN: See note at end of release

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 12, 1968

For further information, contact:
BILL HAFLING, 373-2126

MINNESOTA SCIENTIFIC TEAM WILL EXPLORE
PROMISING GREEK HILLTOP CITADEL

(FOR RELEASE AT NOON NOVEMBER 14, 1968)

A bronze axe, a broken drinking cup, ancient royal tombs with caved-in roofs, and the crumbled stone wall of a once mighty fortress---all are clues to a mystery over 3,000 years old.

Was the citadel once part of the Bronze Age Greek kingdom of Pylos, ruled by King Nestor, a leader in the Trojan wars?

One of the detectives, the discoverer of the clues, has reason to believe so. He is University of Minnesota Classics Professor William A. McDonald of St. Paul.

He and a team of scientific investigators have been exploring the site of the fortress and surrounding area at Nichoria, an acropolis in southwestern Greece, for the past 10 years. Evidence for the importance of the discovery has mounted.

Today, at a news conference held at the University, McDonald disclosed that "after a 10-year wait for permission, we have been granted a permit by the Greek government to commence excavation of Nichoria."

"This may well be the second most important site found in southwestern Greece, Nestor's palace being first," McDonald said.

"The Nichoria hilltop fulfills every requirement for a major ancient settlement. Its position was strategic to land and water communications, the north end commanded the main pass between western and eastern Messenia, and it had excellent land and water resources."

(MORE)

Only three such permits to dig are available to Americans at any one time from the Greek authorities. These are issued through the American School of Classical Studies in Athens, Greece.

Plans call for six experienced archaeologists and nine graduate students to commence "test trenching" of the acropolis ("hill city") next summer.

McDonald first made the discovery in 1958 after meeting a friendly Greek peasant who was casually using the 3,200-year-old bronze axe. The peasant took McDonald to nearby hills where the axe had been found, and here he found the first royal tomb.

The presence of such tombs in the area of the Nichorian acropolis is a major reason for believing the area to be the center of an important part of Nestor's ancient kingdom.

McDonald heads an interdisciplinary group of experts known as the University of Minnesota Messenia Expedition (UMME) which is attempting a scientific reconstruction of the region.

From 1961 to 1968, the UMME "team of scientific detectives" completed a thorough study of the surface aspects of an area of nearly 2,000 square miles. Clues were collected and critically examined by experts in such fields as metals technology, surveying and aerial photography, geography and population distribution, archaeology, geology and ancient history.

Hundreds of previously unknown habitation sites from all periods of history, Neolithic to Medieval, as well as the actual line of an ancient Bronze Age highway---perhaps one mentioned in Homer's poem the "Odyssey"---are among the major findings of the group, which concentrates on the Messenian region of extreme southwestern Greece on the South coast of the Peloponnesus peninsula.

(MORE)

"Surface exploration and historical documentation are necessary preparation to proper investigations under the earth," McDonald explained.

"We are always cautious, however, about the validity of surface indications until they can be tested by excavation. For instance, potsherds scattered over ancient settlements can be roughly dated, but only careful stratigraphic investigation below ground can prove the age and relationship of a certain type of pottery."

Next year's archaeological excavators will coordinate their findings with those of the "surface" specialists in the UMME group, using electrical and magnetic sensitivity equipment, and low-level aerial photography. In this way, more accurate time dating and correlation between these findings and those in other areas will be obtained.

McDonald was a member of the Carl Blegen expedition in 1939 which discovered Nestor's palace, unearthing hundreds of clay tablets -- the earliest "documents" found on the European continent.

No one area since that time has captured McDonald's imagination more than the recently discovered -- and still mysterious-- Nichorian acropolis and royal tombs near the present village of Rizomylo on the Gulf of Messenia.

-UNS-

NOTE TO EDITORS, NEWSMEN, PHOTOGRAPHERS: There will be a news conference with McDonald and other members of the UMME team at 9 a.m. Thursday (Nov. 14) in the Regents Room, 238 Morrill hall, University of Minnesota.

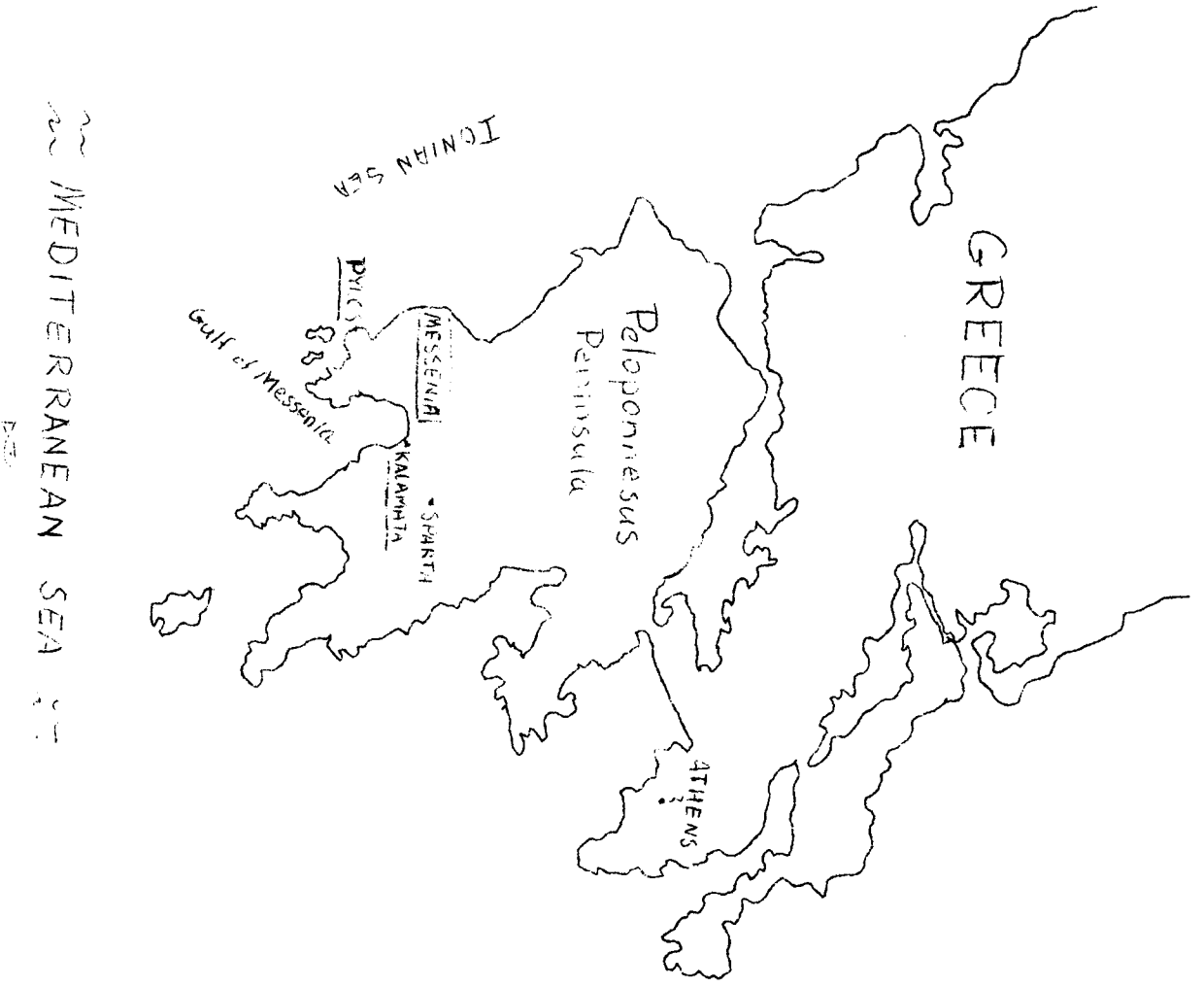
Artifacts and maps of the area will be available.

A fact sheet will be available for reporters intending to prepare a more extended version of the story -- or for future reference. It will include the names of the 15-man UMME team.

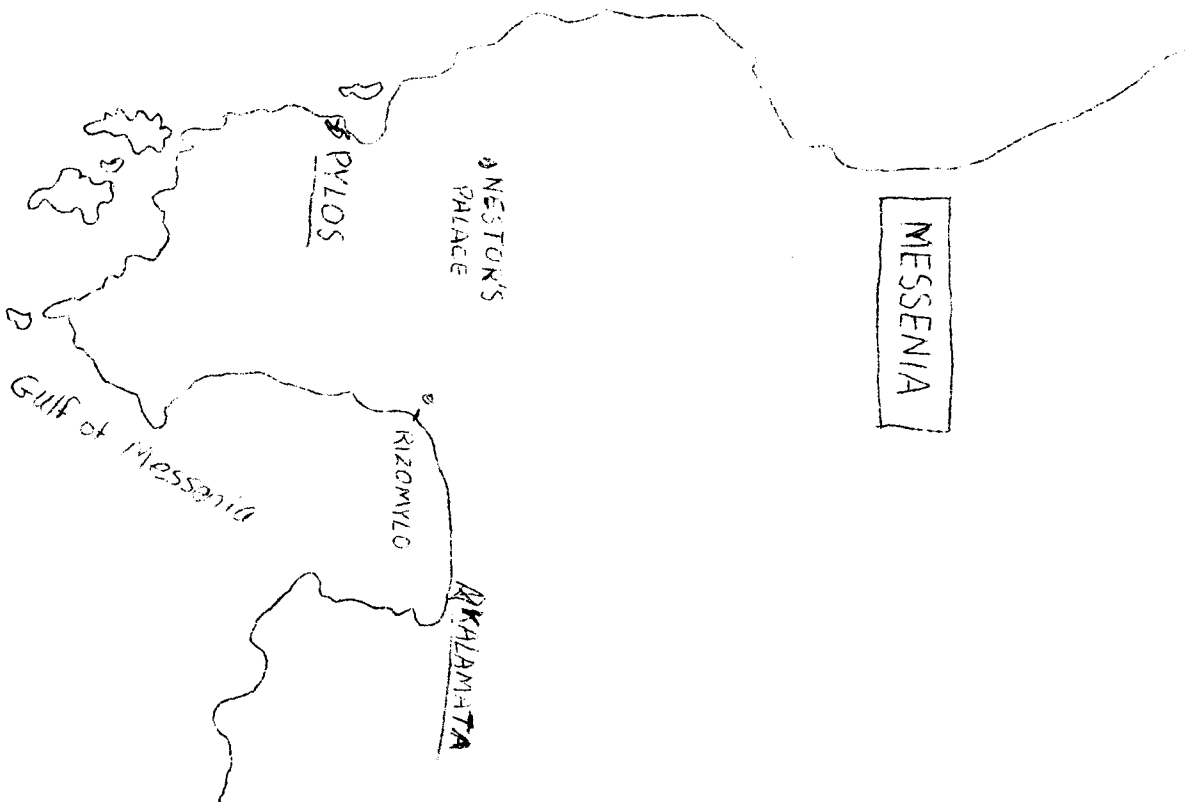
A videotape showing some details of the expedition from past years, e.g. Dr. Wright's pollen-core analysis, is available from Professor Jesse Fant for television showing.

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(See map, next page)



MEDITERRANEAN SEA



UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 15, 1968

IGNATOW TO GIVE
PUBLIC POETRY READING

Poet David Ignatow will give a public poetry reading Wednesday (Nov 20) at 8:30 p.m. in room 5 Blegen hall on the University of Minnesota's West Bank.

Ignatow is presently poet in residence at Vassar College. He is the author of several volumes of poetry, including "Say Pardon," "Figures of the Human" and his most recent books, "Rescue the Dead" and "Earth Hard: Selected Poems."

A recipient of an award from the National Institute of Arts and Letters "for a lifetime of creative effort," Ignatow has also been poet in residence at the universities of Kentucky and Kansas.

The reading is sponsored by the General Extension Division in cooperation with the Academy of American Poets and the Minneapolis Public Schools. Admission is \$1.

Ignatow also will take part in the "Art of Poetry" program, partially funded by the National Endowment for the Arts, in the Minneapolis schools.

'AFRICAN LEGACY' TO BE DISCUSSED
IN BLACK HISTORY TELEVISION COURSE

Mrs. Victoria Coifman, assistant professor of African history, will join Allan Spear, associate professor of history, in the second lecture in a new television course in Afro-American history being broadcast Tuesdays on the University of Minnesota Television Hour, 9-10 p.m. on KTCA-TV, channel 2.

"The African Legacy" is the topic for the Nov. 19 lecture, which will place special emphasis on the civilization of west Africa -- the background of most Afro-Americans. Among specific points to be discussed will be the impact of Africa on Afro-American life and culture.

The University Television Hour is an educational service of the General Extension Division.

(MORE)

WILLIE LEE ROSE TO SPEAK
ON RECONSTRUCTION

Mrs. Willie Lee Rose will speak on "Reconstruction in Black: Issues and Participants" at 8 p.m. Wednesday (Nov. 20) in Mayo auditorium on the University of Minnesota campus.

Mrs. Rose, an associate professor of history, is the author of "Rehearsal for Reconstruction," an award-winning book on the post-Civil War era, published in 1964.

Now finishing a year's leave of absence from the University of Virginia on an American Council of Learned Societies fellowship, she is completing a documentary history of slavery in the United States.

She also worked on a study of the Field brothers of 19th-century Massachusetts and New York. "Their lives crossed into many important fields of activity, and I conceive of the study as being intellectual history," Mrs. Rose said. She holds a doctor of philosophy degree from Johns Hopkins University.

The Wednesday lecture is the third in a series of six lectures by distinguished American scholars on color and culture in America. The series is sponsored by the General Extension Division's departments of special courses and continuing education in urban affairs.

TELEPHONES AT U HOSPITALS
GO TO CENTREX SYSTEM

University of Minnesota Hospitals telephones were converted Friday (Nov. 15) to the Centrex system which serves the rest of the University.

The conversion included a new patient telephone system which will give almost every patient-room its own telephone number. The patient-room information number is 373-8585. The Hospitals' general information number is 373-8484.

UNIVERSITY OF MINNESOTA
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NOVEMBER 15, 1968

LUNCHEON PROGRAM TO HONOR
THE LATE DEAN BUCHTA

For further information, contact:
PATRICIA JULIANI, 373-2126

(FOR IMMEDIATE RELEASE)

The life and work of one of the University of Minnesota's most distinguished professors will be honored at a noon luncheon Tuesday (Nov. 19) in Coffman Union junior ballroom.

The late Dean J. William Buchta, professor of physics who served as chairman of the University College Committee and associate dean of the College of Liberal Arts prior to leaving the University in 1962, will be honored at the luncheon given by the University College.

Mitchell V. Charnley, retired professor of journalism, who served as acting chairman of the committee after Buchta's retirement, will deliver a talk after the luncheon about Buchta's academic ideals and how they related to the University College. The talk, beginning at 1 p.m., is open to the public.

Dean Alfred L. Vaughan, dean of the General College and current chairman of the University College Committee, explained that the luncheon is the first function of the Dean J. W. Buchta Memorial Fund. The fund, set up by relatives, friends, and associates of Buchta after his death in 1966, will be used for special projects, events, lectures, and scholarships within the University College.

Dean Vaughan stated that the University College is a "mechanism" within the University rather than an actual school. Students enroll there who cannot find a satisfactory curriculum in any of the existing programs in the University. Usually in his sophomore year, such a student will talk to members of the University College Committee and submit a plan involving courses from two or three colleges within the University. If his program meets with the committee's approval, he is free to pursue his own personalized education.

(MORE)

In recent years students have combined courses in business administration and engineering; and in agriculture and languages to prepare for work in the Peace Corps. Students have also decided to focus their education around a concept such as world population problems or urban problems and have taken courses related to that concept.

One of the most unusual programs Dean Vaughan cited was a combination of agriculture and humanities taken by a girl from Montana, who expected to return to her hometown and manage her father's ranch. She wanted a background in humanities so that she could add to the cultural activities in her small Montana town.

Dean Vaughan said there are usually 50-60 students enrolled in the University College. Each of these students receives close guidance from the University College Committee.

Dean Buchta's wish --- that students find a small-college atmosphere within the large University --- was fulfilled by the idea of the University College. But his interest in the individual student did not end with the University College. In the physics department, where he taught for more than 40 years, he initiated the idea of disregarding the lowest grade in a series of weekly quizzes, to allow the student to have "an off day." According to his colleagues and students, he taught with imagination and enthusiasm.

After his retirement from the University in 1962, he had been executive secretary of the American Association of Physics Teachers and editor of "The Physics Teacher," a journal he was instrumental in founding.

Present at the luncheon will be Mrs. J. W. Buchta, widow of the late dean; his daughter, Mrs. Clair Gustafson; his son, John, and many other relatives, friends, and former associates.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 15, 1968

LIST OF UNIVERSITY OF MINNESOTA, MINNEAPOLIS CAMPUS, PUBLIC EVENTS
WEEK OF NOVEMBER 17-24

- Sun., Nov. 17 -- University Gallery: Jerome Hill, paintings, through Nov. 30, Northrop auditorium, 8:30 a.m.-4 p.m. Mon-Fri.; 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Sun., Nov. 17 -- University Gallery: Don Paden, photography, and Jacque Bakke, ceramics, M. F. A. exhibitions, through Nov. 30, Northrop auditorium, hours listed above. Free.
- Sun., Nov. 17 -- Architecture students' exhibit of models, drawings and designs related to transportation problems in Rome, through Thanksgiving, Mann Court of the Architecture building. Free.
- Sun., Nov. 17 -- Two photographic exhibits in Coffman Union: "Children of the World" by Rohn Engh, free-lance photographer, in main lounge. 1-11 p.m. Sunday, 7 a.m.-11 p.m. Mon.-Sat. through Dec. 6. Photo-documentary of "The Walker-Bryant Art Workshop," Coffman Gallery, 1-9 p.m. Sunday, last day.
- Sun., Nov. 17 -- Football marching band concert, Northrop auditorium, 4 p.m. Admission.
- Sun., Nov. 17 -- "How Animals Communicate," film on animal messages, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 17 -- University of Minnesota Chamber Singers and Instrumental Ensemble, Grace Lutheran Church, Harvard and Delaware sts. SE., 8 p.m. Free.
- Sun., Nov. 17 -- McaPhail Center faculty concerto program, First Unitarian Society, 900 Mount Curve ave., Minneapolis, 8 p.m. Free.
- Sun., Nov. 17 -- "The Whole" coffeehouse featuring The Montreal, circuit performers, Coffman Union, 8:30 p.m.-1 a.m. through Nov. 23. (Sundays 8:30 p.m.-midnight.) Admission 25 cents.
- Mon., Nov. 18 -- Films of the Minnesota-Indiana football game, Coffman Union main ballroom, 11 a.m.-12:30 p.m. Free.
- Mon., Nov. 18 -- Prison seminar with Clinton Duffy, former warden of San Quentin, Coffman Union main ballroom, 11 a.m.- 1 p.m. Tuesday and Thursday, 2-3:30 p.m., Coffman Union Pop Inn. Free.
- Mon., Nov. 18 -- "The Whole," coffeehouse with entertainment by folk trio "Montreal," Mon.-Thurs. 8:30 p.m.-midnight; Fri. and Sat. 8:30 p.m.-1 a.m. Admission 50 cents.
- Wed., Nov. 20 -- "3 Ways to Design an Environment," by J.B. Jackson, former publisher of "Landscape" magazine, visiting lecturer in geography dept., room 130 Architecture, 3:30 p.m. Free.

(MORE)

CALENDAR

-2-

- Wed., Nov. 20 -- "The Prevention of Chromosome Catastrophes," lecture by M. Neil MacIntyre of Case-Western Reserve University, Campus Club, Coffman Union, 8:30 p.m. Free.
- Wed., Nov. 20 -- "Reconstruction in Black: Issues and Participants," lecture by Mrs. Willie Lee Rose, associate professor of history at the University of Virginia, third in a series of six lectures on color and culture in America, Mayo auditorium, 8 p.m. Admission.
- Wed., Nov. 20 -- Poetry reading by David Ignatow, poet in residence at Vassar College, room 5 Blegen hall, West Bank, 8:30 p.m. Admission \$1.
- Thurs., Nov. 21 -- Election analysis, Coffman Union men's lounge, 3:30-5 p.m. Free.
- Thurs., Nov. 21 -- "Computer-Aided Engineering," lecture by John Atwood of the Perkin-Elmer Corp. of Norwalk, Conn., room 25 Architecture, 4:15 p.m. Free.
- Thurs., Nov. 21 -- "Pierre Louis: Blood-letting and the Introduction of Statistics into Clinical Therapy," history of medicine lecture by Dr. Alvan R. Feinstein, professor of medicine at the Yale University School of Medicine, Mayo auditorium, 8 p.m. Free.
- Fri., Nov. 22 -- "Les Carabiniers," 1963 Jean-Luc Godard film on war, University Film Society, Museum of Natural History auditorium, 7:30 and 9:30 p.m. Repeated Saturday. Admission.
- Fri., Nov. 22 -- "A Man for All Seasons," drama by Robert Bolt, 8 p.m. Friday, 7 and 10 p.m. Saturday, Scott hall. Admission.
- Fri., Nov. 22 -- Concert by Denver, Boise and Johnson (formerly the Mitchell Trio) Coffman Union main ballroom, 8-10 p.m. Admission.
- Sat., Nov. 23 -- Football marching band concert, Northrop auditorium, 8 p.m. Admission.
- Sun., Nov. 24 -- University of Minnesota Concert Choirs concert, Mayo auditorium, 2 p.m. Free.
- Sun., Nov. 24 -- Two films on glaciers, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 24 -- "The Whole," coffeehouse with local talent, Coffman Union, 8:30 p.m.-midnight. Admission 25 cents.

-UNS-

3 CLA PROFESSORS
TO RECEIVE DISTINGUISHED
TEACHER AWARDS THUR.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 15, 1968

(FOR RELEASE MONDAY, NOV. 18)

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

Three University of Minnesota faculty members will receive \$500 Distinguished Teacher Awards Thursday night (Nov. 21) at the annual meeting of the College of Liberal Arts and University College Alumni Association.

The three are English Professor Mary C. Turpie, chairman of the American studies program; History Professor David H. Willson; and Associate Professor of French Peter W. Lock.

Also on the program for the 7 p.m. dinner meeting in the Campus Club of Coffman Union is a panel discussion on the "State of the College." Panelists will be E. W. Ziebarth, dean of the College of Liberal Arts, and Associate Deans John G. Turnball and Roger B. Page.

CLA alumni and anyone interested are invited to attend. Reservations can be made by calling the alumni office, 373-2466.

The meeting will be chaired by Mrs. Joan K. Scott, president of the CLA-UC Alumni Association.

Born in Columbus, Ohio, Miss Turpie was graduated with high distinction from the University in 1930. She taught English at Elk River, Minn., high school for 10 years while working on her master's and doctoral degrees, returning to the University as an instructor in 1943. Her nominations from faculty colleagues and students cite the "humanizing effect of Mary Turpie's administrative work" and the "enriching nature of her teaching."

Professor Willson was born in Philadelphia and came to the University of Minnesota in 1924 from Cornell University, where he completed his Ph.D. In addition to lecturing freshmen courses in survey of English history, he has for many years conducted graduate seminars in the Tudor-Stuart period. Professor Willson's text, "History of England," was published in 1967. His nomination recalls the "many generations" of Minnesota students he has taught and cites his contributions to the teaching mission of the faculty. (MORE)

DISTINGUISHED TEACHER AWARD

-2-

Professor Lock was born in England and came to the University in 1966 from Dartmouth College. Educated at Oxford, he holds a Ph.D. from the University of California at Berkeley. A teacher of French, he has specialized in the study of Balzac.

Nominations for the decade-old CLA Distinguished Teacher Awards come from faculty and students; recipients are selected by a committee comprised of former winners and students.

According to Dean Ziebarth, the awards "symbolize in a significant way our interest in and concern for good teaching.

"The College of Liberal Arts values research and scholarly productivity, but it also values highly those who teach articulately, effectively and with devotion."

Certificates of award and checks for \$500 are provided by the College's Alumni Association.

-UNS-

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 18, 1968

JEROME HILL FILMS
TO PLAY AT 'U'

Films created by St. Paul native Jerome Hill will be shown free to the public at 8 p.m. Wednesday (Nov. 20) in the Museum of Natural History auditorium at the University of Minnesota.

"The Sand Castle" and two shorts, "Merry Christmas" and "Anti-Corrida, Or Who's Afraid of Ernest Hemingway?", will be included in the showing which is sponsored by the University Film Society and the University Gallery.

Paintings by Hill are currently on exhibit in the University Gallery.

###

THE MONTREAL APPEARS
IN THE WHOLE AT 'U'

The Montreal, a Canadian folksinging group, will be appearing in The Whole coffee house in the University of Minnesota Coffman Union through Saturday (Nov. 23). The trio performs nightly at 9:30 and 11 p.m.

The group, which plays the Bitter End coffee house circuit, includes Gilles Losier on piano; his wife, Fran, vocalist, and Jean Cousineau, guitar accompanist.

The Montreal has performed at the Youth Pavillion at Expo '67, Cafe Andre, the Yellow Door Coffee House, and The Web in Montreal.

Admission to The Whole is 50 cents, which includes all the peanuts you can eat. It is open to the public.

-UNS-

UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 18, 1968

'U' MUSIC PROFS RECEIVE
ASCAP AWARDS FOR 68-69

Professors Dominick Argento and Paul Fetler, both of the University of Minnesota music department, are recipients of the American Society of Composers, Authors and Publishers (ASCAP) 1968-69 awards, it was recently announced by ASCAP president Stanley Adams.

In a letter to University President Malcolm Moos, Adams stated that the awards "reflect our continuing commitment to assist and encourage writers of serious music... Through these ASCAP grants, we are honored to join with your educational institution in fostering the growth and enrichment of our nation's musical heritage."

###

'U' PRESS PUBLISHES
WASHINGTON IRVING ARTICLES

"Washington Irving's Contributions to 'The Corrector'", edited by Professor Martin Roth, has been published by the University of Minnesota Press.

The slender, clothbound volume includes, for the first time in collected form, a series of 45 sketches written by Irving for his brother's political newspaper, "The Corrector," which was published briefly in New York in 1804.

The sketches were written as campaign literature for Aaron Burr and contain, Roth says, "many instances of low and indecent abuse." "They contradict accepted notions of Irving's literary character."

Roth is an associate professor of English at the University of Minnesota.

JACK MERWIN NAMED
ASSISTANT DEAN
IN COLLEGE OF EDUCATION

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 18, 1968

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

Jack C. Merwin's appointment as assistant dean in the University of Minnesota College of Education has been announced by Dean Robert J. Keller. He also announced 12 new faculty members in education.

Merwin, 43, has been a member of the Minnesota faculty since 1960. He joined the staff as assistant director of the Student Counseling Bureau and associate professor of educational psychology. In 1962 he was named professor of educational psychology and in 1967 became director of psychological foundations for the College of Education. He previously taught at Syracuse University and at John Deere Junior High School in Moline, Ill.

He is the author of a number of publications in the field of education, is vice president of the American Educational Research Association, chairman of the Inter-Associational Council on Test Reviewing and a member of the editorial board of the "Personnel and Guidance Journal."

New education faculty members include:

Gary Alkire, assistant professor of educational administration and assistant director in the Bureau of Field Studies and Surveys, Ph.D. from Michigan State University.

Robert H. Bruininks, assistant professor of special education, Ph.D. from Peabody College.

Shirley Merritt Clark, assistant professor of the history and philosophy of education, Ph.D. from The Ohio State University, formerly a member of the faculty at the University of Illinois and Ohio State.

Joseph Glick, associate professor in the Institute of Child Development, Ph.D. from Clark University and former faculty member at Yale University.

(MORE)

EDUCATION

-2-

Helen H. Juliar, assistant professor in special education and director of the Instructional Materials Center in the special education department, Ph.D. from the University of Minnesota.

John C. Masters, assistant professor in the Institute of Child Development, Ph.D. from Stanford University and former faculty member at Arizona State University.

Anne D. Pick, assistant professor in the Institute of Child Development, Ph.D. from Cornell University and former faculty member at Macalester College.

Susan T. Rydell, assistant professor in special education, Ph.D. from the University of Minnesota.

Warren F. Shaffer, assistant professor in counselor education, Ph.D from Columbia University.

Brandon B. Smith, assistant professor of industrial education, Ph.D from the University of Minnesota and former faculty member at Ellendale State Teachers College.

L. Alan Sroufe, assistant professor in the Institute of Child Development, Ph.D. from the University of Wisconsin.

Albert Yonas, assistant professor in the Institute of Child Development, Ph.D. from Cornell University.

-UNS-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 18, 1968

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

UNIVERSITY SYMPHONY
TO PRESENT
ELECTRONIC MUSIC

(FOR IMMEDIATE RELEASE)

Rhapsodic Variations, the first composition to use the tape recorder as a solo instrument with orchestral accompaniment, will be performed by the University of Minnesota Symphony Orchestra in an all American concert Tuesday, Nov. 26, at 8:30 p.m. in Northrop auditorium.

The solo part of the composition has been recorded in advance using many diverse sounds manipulated electronically to make them different from sounds produced by conventional instruments.

Richard Sieber, assistant professor of music, is the conductor of the University Symphony. He is returning to the podium following a one-year absence during which he devoted full time to his duties as coordinator of continuing education in music for the Univeristy's General Extension Division.

Tuesday's concert will also include the performance of Overture to "The School for Scandal" by Samuel Barber; Decoration Day by Charles Ives, and Symphony No. 2, Op. 30, "Romantic" by Howard Hanson.

-UNS-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 20, 1968

For further information, contact:
LYNN MARASCO, 373-2126

REV. JOHN FRY, CONTROVERSIAL
MINISTER, TO ADDRESS
RELIGIOUS EDUCATION MEET

(FOR IMMEDIATE RELEASE)

The Rev. John Fry, controversial minister of Chicago's First Presbyterian Church, will be the main speaker at the University of Minnesota's 14th Annual Institute on Religious Education, to be held Monday and Tuesday (Nov. 25-26) in Coffman Union.

Fry came to national attention last summer when a U. S. Senate subcommittee investigated his work with the Blackstone Rangers, a black youth group, to determine how federal anti-poverty funds were being used.

In a sermon following the subcommittee hearings, Fry said, "Everything that the Rangers have ever done to make this life better has been twisted by official interpretation to come out bad and warlike."

The Rangers should, he said, be able to "learn the first lesson of democracy -- how to get a voice in determining your own destiny." He protested specifically the fate of black persons charged with crimes and their treatment in criminal courts.

And, Fry said, "the computer fuses just blow out when you put church and Blackstone Ranger in the same sentence," because churches are expected to stay out of controversial situations such as this.

The 1968 religious education institute will focus on personal and group identities, the role of various kinds of authority, maintaining the identity of one's group without violating the integrity of another group, and the role of religious education in these areas.

(MORE)

Fry will speak on the first day of the institute on personal identity and factors which relate to religious and ethnic groups, and on education as a servant of the American way of life.

A panel with representatives from the disciplines of psychiatry, theology, philosophy, sociology and the humanities will respond to Fry's presentations.

On the second day of the institute George Winterowd, University professor of architecture, will speak on the role of esthetics in the formation of beliefs and values; and John Bodo, chaplain at Macalester College in St. Paul, will speak on institutions other than the religious which play a part in shaping beliefs and values.

Small group sessions will meet under the leadership of panel members from the previous day.

The institute is sponsored by the General Extension Division's department of conferences and institutes and by the Office of the Coordinator of Student Religious Activities.

Registration for the program is still open and can be made with the department of conferences and institutes at 373-3151.

-UNS-

NOTE TO NEWSMEN: There will be a press conference for Mr. Fry at 12:45 p.m. Monday, Nov. 25, in room 327 of Coffman Union. Because he will be on an extremely tight schedule during the one day he will be in the Twin Cities, the news conference will be the only opportunity for newsmen to contact Mr. Fry.

TAX LAW CHANGES TO BE
DISCUSSED AT 28TH
ANNUAL TAX INSTITUTE

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 20, 1968

For further information, contact:
LYNN MARASCO, 373-2126

The Minnesota deputy commissioner of taxation, Arthur Roemer, and State Representative Ernest Lindstrom will speak on possible tax law changes in the 1969 Minnesota Legislature at the 28th Annual Tax Institute presented by the section on tax law of the Minnesota State Bar Association.

The institute, co-sponsored by the University of Minnesota department of continuing legal education and the state bar association, will be held Dec. 6-7 at the Radisson Hotel in Minneapolis..

Roemer will discuss the department of taxation's recommendations to the Legislature for changes in the property, sales and income tax laws and Lindstrom will speak on prospective legislative proposals dealing with taxation of exempt property.

Developments in income, gift and death tax laws from Nov. 15, 1967, to Nov. 15, 1968, will be examined through a review of federal legislation, state and federal administrative rulings and cases during that period.

Tax problems encountered in common real estate transactions and corporate acquisitions from the seller's standpoint are the other topics on the program.

Faculty for the institute will include Professors Stephen Scallen and Thomas Waterbury of the University of Minnesota Law School, and John Hibbs and Phillip Martin of the Minneapolis firm of Dorsey, Marquardt, Windhorst, West & Halliday, in addition to Roemer and Lindstrom.

Registration fee for the institute is \$30, which includes a practice manual containing outlines prepared by the speakers. Firms that wish to send more than one attorney without purchasing a manual for each can send one attorney for the \$30 fee and up to four additional attorneys for \$20 each.

Complete information is available from the Department of Continuing Legal Education, 338 Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone (612) 373-5386.

Continuing legal education is a part of the University's General Extension Division.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 20, 1968

FLOOD PLAIN MANAGEMENT
TO BE TOPIC OF SEMINAR

(FOR IMMEDIATE RELEASE)

For further information, contact:
LYNN MARASCO, 373-2126

Control and prevention of floods will be the topic for a one-day seminar at the University of Minnesota Dec. 10. The seminar, entitled "Flood Plain Management," will be held in Nolte Center on the University's Minneapolis campus.

It is designed for county and municipal officials, legislators, agricultural extension specialists, ground area usage personnel and anyone else who is concerned with recurring flood conditions in Minnesota.

J. Wesley Walters, who spent 35 years on water resource projects with the U. S. Army Corps of Engineers and has been a consultant for state and private agencies since his retirement in 1965, will begin the seminar at 9:15 a.m. with a history of floods in Minnesota.

An introduction to flood plain management will be given at 10:30 a.m. by James Goddard, a Tucson, Ariz., consulting engineer. Formerly an engineer with the Tennessee Valley Authority, he was responsible for developing the Local Flood Relations Program, which provided information and counsel to more than a hundred communities vulnerable to floods.

Goddard will discuss identification of flood plains, flood frequencies, land use regulation, insurance and engineering measures.

James Ringenoldus, head of the water resources division of the Harza Engineering Co. of Chicago, will speak at 11:30 a.m. on structural measures for flood plain management.

At 1:30 p.m. James Goddard will discuss economic and social aspects of flood plain management, and at 2:30 p.m. St. Paul attorney Frank Murray will speak on legal aspects of Minnesota flood plain management. A panel discussion and summary will close the institute.

Registration fee is \$18, which includes lunch and coffee breaks at Nolte Center.

The seminar is sponsored by the University General Extension Division's department of conferences and institutes in cooperation with the St. Anthony Falls Hydraulic Laboratory, the Northwest Section of the American Society of Civil Engineers and the St. Paul District of the U. S. Army Corps of Engineers.

Information is available from the Department of Conferences and Institutes, Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone (612) 373-3151.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 20, 1968

For further information, contact:
PATRICIA JULIANI, 373-2126

NEXT YEAR'S GOPHER CAPTAIN
TO BE NAMED AT CEREMONY

(FOR IMMEDIATE RELEASE)

The 1969 University of Minnesota Gopher football captain will be named at an awards program at 10:15 a.m. Wednesday (Nov. 27) in Northrop auditorium. Noel Jenke, captain of the 1968 Gopher squad, will pass the ceremonial torch to the new captain.

Athletes at the University who won their letter will elect the new captain Tuesday evening (Nov. 26).

Awards will also be given to members of this year's football squad by Allan Blatherwick, associate professor of aeronautical and engineering mechanics and chairman of the Senate Committee on Intercollegiate Athletics.

James Kosta, captain of the cheerleader squad, will present the Rooter King Award to the person or group that has shown the most team spirit and enthusiasm in University athletics so far this year. In past years, the cheerleading squad has elected to give the award to the Marching Band, the football squad, and individual students, said Kosta.

The University of Minnesota Marching Band, under the direction of Frank Bencriscutto, and the University cheerleaders will perform at the ceremony.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 21, 1968

WIGGINS TO SPEAK AT
'U' FALL COMMENCEMENT

(FOR IMMEDIATE RELEASE)

For further information, contact:
PATRICIA JULIANI, 373-2126

Ambassador J. Russell Wiggins, U.S. representative to the United Nations, will be the main speaker at the fall commencement of the University of Minnesota Twin Cities campus.

The ceremonies will begin at 7:30 p.m. Saturday, Dec. 14, in Northrop auditorium, when 1,400 candidates for degrees will file into the auditorium. Included in this number will be 150 candidates for doctoral degrees and 350 candidates for master's degrees.

The Reverend G. Russell Hatton, chaplain and director of the University Episcopal Center, will deliver the invocation. University President Malcolm Moos will confer the certificates and degrees upon the members of the graduating class.

The entire commencement will be televised live over the Minnesota Educational Television Network, and will be seen in the Twin Cities area over KTCA-TV, channel 2; in the Duluth area over WDSE-TV, channel 8; in Morris and west central Minnesota over KWCM-TV, channel 10; and in the Fargo-Moorhead area over KFME-TV, channel 13.

Immediately after the commencement ceremonies, members of the graduating class, their families and friends are invited to attend the President's reception in the main ballroom of Coffman Union.

In September 1968, President Johnson nominated Wiggins as the permanent representative of the United States to the United Nations, with the rank of Ambassador Extraordinary and Plenipotentiary and U.S. representative in the United Nations Security Council. He is also chairman of the U.S. delegation to the 23rd session of the United Nations General Assembly.

To accept the appointment, Ambassador Wiggins resigned as editor and executive vice-president of the Washington Post Times Herald, a position he had held since 1960.

Born Dec. 4, 1903, in Luverne, Minn., Wiggins began work as a reporter for the Rock County Star in Luverne at the age of 19. In 1930 he joined the Dispatch-Pioneer Press in St. Paul as an editorial writer. In 1933 he became the newspaper's Washington correspondent, in 1938 managing editor, and in 1945 editor. The following year he was appointed assistant to the publisher of the New York Times.

In 1947 Wiggins was named managing editor of the Washington Post and in 1953 became vice-president of the newspaper. After the merger of the Post and the Times-Herald, he was chosen vice-president and executive editor. He is the author of the book, "Freedom or Secrecy," published in 1956.

INSTITUTE WILL TEACH
HOW TO LEAD
SMALL DISCUSSION GROUPS

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 21, 1968

For further information, contact:
LYNN MARASCO, 373-2126

(FOR IMMEDIATE RELEASE)

The Eighth Annual Institute for Training in Discussion Leadership will be held Dec. 2-3 in Nolte Center at the University of Minnesota.

The purpose of the institute is to provide information and experience which will develop basic skills in working comfortably and effectively with small groups.

Faculty for the program will include John Geier, director of communications and behavioral sciences in the University's School of Dentistry; Q. T. Smith, director of public communication for St. Paul Ramsey Hospital; and Mrs. Elizabeth Peterson, coordinator of parent and family life education in the University's General Extension Division.

The institute is for educators, businessmen, social workers, representatives of industry, government, religious groups, parents' groups and anyone else who can profit from effective small group discussion, Mrs. Peterson explained.

Geier and Smith have worked extensively with communication problems in many of these fields, and as a parent and family life expert Mrs. Peterson also has been involved in many programs designed to open and improve channels of communication.

"The institute is certainly not just for professional people, either," Mrs. Peterson said. "Parents with a communication gap separating them from their teenage sons and daughters could profit by attending."

Two sessions on interpersonal communication will include discussion of expectations in communications, the roles assumed by the people involved and the factors which determine their responses, conditions which produce misunderstanding and barriers to communication.

Also planned are sessions on decision-making communication, improving communication and leading work groups and a system of motive analysis for persuasion.

"The faculty will attempt to increase the participants' sensitivity to factors operating in small groups to promote productive discussion," Mrs. Peterson said. "There will be practice sessions in which everyone will participate, and there will be an opportunity for the registrants to discuss particular problems of their organizations."

Registration fee is \$15. Complete information is available from the General Extension Division's department of conferences and institutes, sponsor of the course, at Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-3151.

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 21, 1968

HARLAN TO GIVE FOURTH
COLOR AND CULTURE LECTURE

Louis Harlan, professor of history at the University of Maryland, will speak on "The Age of Booker T. Washington and W. E. B. DuBois" in Mayo auditorium at the University of Minnesota Monday (Nov. 25) at 8 p.m.

The lecture is part of a Wednesday-evening series on the Negro in America, moved this week to Monday evening because of Thanksgiving holiday.

Harlan, a specialist in Negro and Southern history, is completing research for a biography of Booker T. Washington. He is editor of the Booker T. Washington Papers, a multi-volume letterpress publication project aided by the National Endowment for the Humanities and the National Historical Publications Commission.

Author of many books, articles and anthology selections, Harlan holds degrees from Emory, Vanderbilt, and Johns Hopkins Universities.

The color and culture lecture series is sponsored by the General Extension Division's departments of special courses and continuing education in urban affairs.

'U' CHOIRS, MINN. ORCHESTRA
MEMBERS TO GIVE CONCERT

The University of Minnesota Choirs, directed by Charles Schwartz, associate professor of music, and members of the Minnesota Orchestra will be presented in a free, public concert at 8:30 p.m. Wednesday, Dec. 4, in Northrop auditorium.

Works to be performed will be "The Hymn of Jesus" by Gustav Holst and "Te Deum" by Zoltan Kodaly. The concert is sponsored by the University departments of music, music education and concerts and lectures.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1968

For further information, contact:
LYNN MARASCO, 373-2126

HOW TO GET GRANTS
FOR COMMUNITY PROJECTS
SUBJECT OF WORKSHOP

(FOR IMMEDIATE RELEASE)

How to get money for special educational and community projects will be the subject of a University of Minnesota workshop for project planners, to be held Dec. 5-6 at the St. Paul Hilton Hotel.

Funds for these projects are readily available from government and private agencies -- but getting that money depends on the granting organizations' purposes and criteria for funding, and on the form and substance of the project proposal itself.

The workshop will set down guidelines for project writers, many of whom have had no experience in dealing with granting organizations and writing proposals, to increase their chances of success.

Faculty members will represent government agencies, educational institutions and their extension divisions, private funding organizations, and directors of successful projects.

Among those scheduled to lead the workshop are Alfred Dubbe, director of Title V of the Higher Education Act, U. S. Office of Education; Eugene Welden, special assistant to the director of the division of adult education of the U. S. Office of Education; representatives of the Hill Family Foundation and the Wilder Foundation of St. Paul and the W. K. Kellogg Foundation of Battle Creek, Mich.; Dean Willard Thompson of the University of Minnesota General Extension Division; Assistant Dean Clive Veri of the University of Missouri Extension Division; and Edward Henry, professor of government and director of the Micro-City Study Project at St. John's University, Collegeville, Minn.

(MORE)

A luncheon and keynote address by Thurman White, University of Oklahoma vice president for university projects and former extension division dean, will open the workshop at noon Thursday, Dec. 5.

That afternoon and evening there will be a speech on the categories of information necessary in an effective proposal and a panel making suggestions and additions; small group sessions in which questions for the faculty will be prepared; and an informal session in which these questions will be asked and answered.

The following day will begin with a panel of representatives from granting organizations identifying criteria and priorities of funding agencies. Small group sessions with the panel members will follow.

The workshop is sponsored by the General Extension Division's department of conferences and institutes, in cooperation with the Minnesota Higher Education Coordinating Commission.

Registration can be made for a \$50 fee with the Department of Conferences and Institutes, Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-3151.

Final registration will be at 11 a.m. Dec. 5 at the St. Paul Hilton Hotel.

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 22, 1968

LIST OF UNIVERSITY OF MINNESOTA, TWIN CITIES CAMPUS PUBLIC EVENTS
WEEK OF NOVEMBER 24-DECEMBER 1

- Sun., Nov. 24 -- University Gallery: Jerome Hill, paintings, through Nov. 30, Northrop auditorium, 8:30 a.m.-4 p.m. Mon.-Fri; 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Sun., Nov. 24 -- University Gallery: Don Paden, photography, and Jacque Bakke, ceramics, M. F. A. exhibitions, through Nov. 30, Northrop auditorium, hours listed above. Free.
- Sun., Nov. 24 -- Architecture students' exhibit of models, drawings and designs related to transportation problems in Rome, through Nov. 27, Mann Court of the Architecture building. Free.
- Sun., Nov. 24 -- "Children of the World," photographic exhibit by Rohn Engh, free-lance photographer, Coffman Union main lounge, 1-11 p.m. Sunday, 7 a.m.-11 p.m. Mon.-Sat., through Dec. 6. Free.
- Sun., Nov. 24 -- St. Paul Student Center Galleries: oils by Gordon Mortensen and "Five Perham Women," through November, Sun. noon-11 p.m.; Mon.-Sat. 7 a.m.-11 p.m. Free.
- Sun., Nov. 24 -- University of Minnesota Concert Choirs, Mayo auditorium, 2 p.m. Free.
- Sun., Nov. 24 -- Two films on glaciers, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Nov. 24 -- "The Whole," open stage coffeehouse, Coffman Union, 8:30 p.m.-midnight. Admission 25 cents.
- Mon., Nov. 25 -- Films of the Minnesota-Wisconsin football game, Coffman Union main ballroom, 11 a.m.-12:30 p.m. Free.
- Mon., Nov. 25 -- "Texas John Slaughter," Walt Disney movie, St. Paul Student Center North Star Ballroom, noon. Free.
- Mon., Nov. 25 -- "The Age of Booker T. Washington and W. E. B. Dubois," lecture by Louis Harlan, professor of history at the University of Maryland, fourth in a series of six lectures on color and culture in America, Mayo auditorium, 8 p.m. Admission.
- Mon., Nov. 25 -- Dennis Johnson, piano recital, Scott hall auditorium, 8 p.m. Free.
- Tues., Nov. 26 -- "The Exceptional Executive: Some Thoughts on the Direction of American Business and Its Leadership; The Involvement Role of Business and Its Leaders," lecture by Harry Levinson, Ford Foundation Distinguished Visiting Professor of Business Administration at Harvard University, Room 270 Anderson hall, 10:15 a.m. Free.

(MORE)

CALENDAR

-2-

- Tues., Nov. 26 -- University of Minnesota Symphony Orchestra directed by Richard Sieber, all-American concert, Northrop auditorium, 8:30 p.m. Free.
- Wed., Nov. 27 -- Football awards convocation, Northrop auditorium, 10:15 a.m. Free.
- Wed., Nov. 27 -- Festival season concert by the University resident oratorio choir, St. Paul Student Center North Star Ballroom, noon. Free.
- Wed., Nov. 27 -- University Theatre: "A Man for All Seasons," drama by Robert Bolt, Scott hall, 3:30 and 8 p.m.; Friday, 8 p.m.; Saturday, 7 and 10 p.m.; Sunday, 3:30 p.m. Admission.
- Wed., Nov. 27 -- "Food and Agricultural Policy for India," lecture by Willard Cochrane, dean of International Programs, room 214 Haecker hall (St. Paul), 3:30 p.m. Free.
- Wed., Nov. 27 -- "Ski Happy," sports movie, St. Paul Student Center Rouser Room, 7:30 p.m. Free.
- Wed., Nov. 27 -- "The Whole," last coffeehouse of fall quarter, local talent, Coffman Union, 8:30 p.m.-1 a.m. Admission 50 cents.
- Thurs., Nov. 28 -- Thanksgiving, University Holiday.
- Fri., Nov. 29 -- "Journey Beyond the Three Seas," adventure film by Russian and Indian directors, University Film Society, Museum of Natural History, 8 p.m. Admission.
- Sun., Dec. 1 -- "White Wilderness," Walt Disney movie, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Dec. 1 -- Concert Bank Ensemble, Northrop auditorium, 4 p.m. Free.
- Sun., Dec. 1 -- Renaissance singers and chamber orchestra, University Lutheran Church of Hope, 601 Thirteenth ave. SE., Mpls. 8 p.m. Free.

-UNS-

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

LEVINSON TO DISCUSS
INDUSTRIAL MENTAL HEALTH
AT 'U' TUESDAY

(FOR IMMEDIATE RELEASE)

Dr. Harry Levinson, an expert on industrial mental health will speak at the University of Minnesota Tuesday (Nov. 26) at 10:15 a.m. in room 270 Anderson hall on the West Bank. The talk, sponsored by the Graduate School of Business Administration at the University, is open free to the public.

"The Exceptional Executive," published this year by Harvard Press is Levinson's most recent book. He is also the author of "Men, Management and Mental Health."

Formerly director of the division of industrial mental health for the Menninger Foundation, Levinson is now Thomas Henry Carroll Ford Foundation Distinguished Visiting Professor of Business Administration at the Harvard University Graduate School of Business Administration. He is a consultant to the Dayton Corporation in Minneapolis.

His topic for the University lecture will be "The Exceptional Executive: Some Thoughts on the Direction of American Business and Its Leadership; the Involvement Role of Business and Its Leaders."

-UNS-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1968

For further information, contact:
BILL HAFLING, 373-2126

U OF M PROF TO HELP PLAN
WORLD'S LARGEST RADAR TELESCOPE

(FOR RELEASE MONDAY, NOV. 25, 1968)

Physics Professor Paul J. Kellogg of the University of Minnesota is a member of a panel of scientists from 11 Midwest universities engaged in planning the world's largest radar telescope.

The schools are all members of the Committee on Institutional Cooperation (CIC), an association for strengthening higher education through voluntary cooperation.

With the completion of engineering feasibility studies conducted under \$101,000 in National Science Foundation grants, the panel has recommended building of a steerable dish-shaped radar telescope 360 feet in diameter.

Cost of the project is estimated at \$20 million. The largest comparable instrument now operating is the 240-foot-diameter radio telescope at Jodrell Bank in England -- famous for its monitoring of the recent Russian moon shots.

The primary function of the radar telescope will be research in aeronomy -- study of the earth's upper atmosphere. This will include studies of phenomena such as the aurora borealis, airglow, and little-known high winds.

A location for the telescope has not yet been determined. Site requirements include accessibility, freedom from radio interference, and location within reasonable distance of one or more CIC institutions. The telescope will thus be a regional resource for use on a sharing basis, strengthening ties among all 11 participating universities. (The 11 are the Big Ten plus the University of Chicago.)

(Professor Kellogg has been in Brazil recently on another project. He and his research team are expected back at the University on Nov. 25.)

COOPER TO SPEAK
ON 'AEROBICS' AT 'U'
FITNESS PROGRAM

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 22, 1968

For further information, contact:
LYNN MARASCO, 373-2126

(FOR IMMEDIATE RELEASE)

Dr. Kenneth Cooper, author of "Aerobics," a new book on exercise and physical fitness, will lead a laymen's conference on physical fitness at the University of Minnesota Dec. 9-10 in Mayo auditorium.

The conference will give men and women of all occupations a chance to learn more about exercise programs suited to their personal needs.

Cooper, a major in the U. S. Air Force medical corps, is a specialist in exercise physiology and has done extensive research in the field.

Oxygen is the key to overall fitness, Cooper maintains. Because oxygen enables the body to burn food for energy, physical fitness depends on an adequate supply of oxygen to all parts of the body where food is stored.

"Aerobic" ("with air") exercises require the body to produce and deliver oxygen and, in a faithfully followed program, produce significant long-range changes in the body's oxygen delivery system.

The latest information on physical fitness, including Cooper's point system for fitness through running, walking, cycling, swimming and other activities, will be presented on the first day of the conference.

Participants will be separated into small groups on the second day to discuss appropriate fitness programs for their particular needs.

A registration fee of \$20 includes luncheons on both days and a collection of source materials, including Cooper's book.

The conference is sponsored by the General Extension Division's department of conferences and institutes and the department of physical education.

Registration information is available from Conferences and Institutes, Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-3151.

(FOR RELEASE WEEK OF NOV. 25)

At the U of M---

EARTHQUAKES IN MINNESOTA--
PAST AND FUTURE

by Professor Paul K. Sims, University of Minnesota
Director, Geological Survey

Earthquakes such as that felt locally in the Minneapolis-St. Paul area on Saturday, Nov. 9, are uncommon in the central part of the United States.

The state of Minnesota lies near the southern margin of a stable geological province known as the Canadian Shield and the Canadian Shield is historically a region of very low earthquake activity.

In the Midwest, occasional small earthquakes occur in the central parts of the Mississippi River and Ohio River watersheds. The small earthquake in Illinois on Nov. 9, 1968, was in this category.

A notable exception to this pattern, however, was the severe earthquake that took place in December 1911 and January 1912 at New Madrid, Mo. This was perhaps the greatest earthquake known to have occurred in the United States. It was felt over much of the eastern United States and as far north as Canada. Spectacular earth damage was produced, such as a small waterfall in the Mississippi River and the creation of Reelfoot Lake in Tennessee.

Five earthquakes are known to have occurred within Minnesota during the last century. The largest was a slight tremor near Staples on Sept. 3, 1917. The shock was felt from Brainerd to Minneapolis. Damage consisted of a chimney thrown down in Lincoln, cracking in the wall of a brick building, and cracking in the concrete floor of the vault of the city clerk's office in Staples.

An earlier shock, in 1860, near Long Prairie, may have been nearly as large. An earthquake on Jan. 28, 1939, near Detroit Lakes, was felt over a radius of about 50 miles.

(MORE)

A smaller shock was reported at Bowstring On Dec. 23, 1928. The most recent earthquake appears to have been at Alexandria on Feb. 15, 1950, which produced a muffled boom and damaged two wells at a creamery.

The geographical distribution of earthquakes around the world shows a definite pattern. The dominant earthquake belt occupies a relatively narrow region, perhaps a few hundred miles wide, which encircles the Pacific Ocean basin.

This belt includes the devastating shocks which strike the western coast of South America from time to time, the seismic activity of western Mexico, the frequent earthquakes in California and Nevada, the shocks in southern Alaska such as the great Good Friday earthquake of 1964, and a belt of seismic activity extending from Japan through the Philippines to New Zealand. It should be noted that the deep basin of the Pacific Ocean itself is nearly free of earthquakes, as is the entire continent of Antarctica.

A secondary earthquake belt extends across southern Asia. It diverges from the Pacific belt near the East Indies and then trends westward, following the Himalayas and the high plateaus of Iran and Turkey to terminate in Greece and Italy. Other lesser earthquake belts are scattered around the world, such as the submarine mountain range known as the Mid-Atlantic Ridge.

In the United States, 80 per cent of the seismic activity occurs in California and Nevada. The western mountain states have occasional large earthquakes such as the one in Yellowstone Park in 1959. The eastern United States has relatively few shocks, although Charleston, S.C., was severely damaged by a major earthquake in 1886.

Harold M. Mooney, professor of geology and geophysics in the University of Minnesota's Institute of Technology, reports that "earthquakes originate at depths ranging from a few miles to about 400 miles.

"Most destructive earthquakes," according to Mooney, "occur at depths between 2 and 20 miles. Earthquakes that originate at depths greater than 100 miles cannot be felt, and must be detected by sensitive seismographs."

"The past history of earthquakes in a region provides the best basis for earthquake prediction at the present time," Mooney continued. "Research programs are being undertaken to find more definite earthquake predictors, such as earth tilt or irregularities in the earth's magnetic field, but none of these has yet borne fruit. The earthquake history of Minnesota covers only a century, a tiny speck in the panorama of geologic time. On the basis of available evidence, however, the probability of a destructive earthquake in Minnesota is very small indeed."

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Readers: Send queries to Director, University News Service, 220 Morrill Hall, University of Minnesota, Mpls., Minn. 55455.

UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 25, 1968

THOMPSON NAMED TO
NATIONAL EXTENSION POST

Willard L. Thompson, dean of the University of Minnesota General Extension Division and Summer Session, was named chairman-elect of the council on extensions of the National Association of State Universities and Land Grant Colleges at the group's recent annual convention in Washington, D. C.

The council, composed of deans and directors of extension from member institutions, is one of five major units in the association. After a year as chairman-elect, Thompson will become chairman for the following year.

'U' PRESS PUBLISHES
3 AUSTRALIAN PLAYS

"Three Australian Plays," written by contemporary playwrights and edited by Eunice Hanger, has been published by the University of Minnesota Press as No. 18 in the Minnesota Paperbacks series.

The works included are "Rusty Bugles" by Sumner Locke Elliott, "We Find The Bunyip" by Ray Mathew and "The Well" by Jack McKinney.

PAULU ADDRESSES EDUCATIONAL
BROADCASTERS CONVENTION

Burton Paulu, director of the department of radio and television in the University of Minnesota General Extension Division, addressed the 44th annual convention of the National Association of Educational Broadcasters in Washington, D. C., recently.

"Educational Broadcasting and the Fifth Freedom" was the topic for the convention. McGeorge Bundy, president of the Ford Foundation, delivered the keynote address.

Paulu, a recent recipient of an International Broadcasters Society award, discussed international broadcasting at the convention.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
NOVEMBER 25, 1968

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

3 INTERNSHIPS
OPEN TO 'U' STUDENTS
FOR '69 LEGISLATIVE WORK

(FOR IMMEDIATE RELEASE)

Three legislative internships for University of Minnesota undergraduate students have been made available by the Minnesota House of Representatives in cooperation with the University political science department.

The three interns will work full time for the House Rules committee from Jan. 6 through the end of the session in May. They will receive a stipend of \$500 per month and will earn three academic credits per quarter as independent study directed in the political science department.

"The purpose of the internship is to provide practical experience to students interested in the operation of government at the state legislative level and to provide the state House of Representatives with legislative research personnel," said Charles H. Backstrom, associate professor of political science.

Selection of the interns will be based on career objectives, previous course work and academic recommendations. The sponsoring committee, which will make the selections, includes legislators, political science faculty members and students.

Candidates should have completed at least two years of college work in the social science fields. Since the internship is considered part of the University's academic program a student's selective service status should not be affected.

Deadline for applications is Tuesday, Dec. 3. Further information can be obtained from Professor Backstrom, 1414 Social Science building; phone 373-2686 or 373-2651.

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For further information, contact:
JUDY VICK, 373 2126

'U' GALLERY TO SHOW
LEVINE CARICATURES
BEGINNING DEC. 4

(FOR IMMEDIATE RELEASE)

Caricatures by New York artist David Levine will be on exhibit in the University of Minnesota Gallery Dec. 4-30.

There will be a public preview of the exhibit from 3 to 5 p.m. Wednesday, Dec. 4.

Levine is "a rare man among artists," says Gallery Director Charles Savage. His illustrations appear in many periodicals including "Time," "Newsweek," "Esquire" and "The New York Review of Books." His caricature of Bertrand Russell, kindly likening him to a pelican, is among his best known works.

Opening in the gallery at the same time as the Levine show will be an exhibit of monochromatic paintings by Tom Evans, a candidate for a master of fine arts degree from the University. His works, some of which feature sewn seams as part of the composition, have been seen at the Index Gallery on the West Bank.

The gallery is located on the third floor of Northrop auditorium and is open free to the public from 8:30 a.m. to 4 p.m. Monday through Friday, and from 2 to 5 p.m. Sunday except when there are admission events in the auditorium.

-UNS-

UNIVERSITY OF MINNESOTA
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NOVEMBER 25, 1968

For further information, contact:
ALICE FUSSELL, 373-2126

WANTED:
TURKEY BONES

(FOR IMMEDIATE RELEASE)

How handy is a Thanksgiving turkey by the time he's passed the third day of being leftovers?

What is still there could be useful yet because the University of Minnesota's Bell Museum of Natural History wants his bones.

Dick Barthelemy, public education director for the museum wants the bones for the children's room where youngsters can see, touch and play with them.

He would like to give groups visiting the museum a whole set of bones to put together. Some he would hang on a screen where children could touch them.

A fully reconstructed turkey could be spread on the cardboard that forms partitions around the children's room.

And he needs them for feelies.

Feelies are kept in a set of drawers in the room. Children close their eyes, reach in a drawer and feel the object. Then they open their eyes and look at it. It may be a stuffed squirrel, mouse or duck's head. Barthelemy would like to have clean, white turkey bones for feelies.

He has similar ideas for skulls and/or horns or antlers of deer, goats and antelope. A packing house will process those, he said.

To donate the turkey's bones, Barthelemy suggested housewives boil as many of them as possible a bit to clean them, dry them and bring them to the museum.

Anyone with a sack of turkey bones will be welcome.

-UNS-

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NOVEMBER 25, 1968

For further information, contact:
LYNN MARASCO, 373-2126

CREELEY TO READ POETRY
AT U OF M DECEMBER 4

(FOR IMMEDIATE RELEASE)

American poet Robert Creeley will give a public poetry reading at 8:30 p.m. Dec. 4 in Scott hall auditorium at the University of Minnesota.

Creeley established himself as a leading American poet with his first volume of poetry, "For Love," published in 1962. Since then he has published a novel entitled "The Island;" a book of short stories, "The Gold Diggers;" and another volume of poetry entitled "Words."

Dudley Fitts summarized Creeley's poetry as having "the compression of the lyric epigram." Poet William Carlos Williams, from whose work Creeley's is sometimes said to be in part derived, commented that Creeley's work has "the subtlest feeling for the measure that I encounter anywhere except in the verses of Ezra Pound."

Presently teaching at the University of New Mexico, Creeley also has taught at Black Mountain College in North Carolina and at the State University of New York at Buffalo. Born in Arlington, Mass., he attended Harvard University and Black Mountain College and received his master's degree from the University of New Mexico.

His books are published in France, England, Germany, Italy, Holland and Sweden.

The reading is sponsored by the University's General Extension Division, in cooperation with the Academy of American Poets and the Minneapolis Public Schools. Admission charge will be \$1.

Creeley also will take part in the Minneapolis schools' Art of Poetry Program, which is partially funded by the National Endowment for the Arts.

UNIVERSITY OF MINNESOTA
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NOVEMBER 26, 1968

For further information, contact:
BILL HAFLING, 373-2126

AWARD WINNER DESCRIBES
MATHEMATICS AS AN ART

(FOR IMMEDIATE RELEASE)

"Suppose you wanted to set up a foundation for studying aspects of three-dimensional space. Who would you get for a director?"

Asking the question is Daniel Pedoe, one of six recipients of this year's prestigious Mathematical Association of America's Lester R. Ford Prize "for expository skill in mathematics."

Pedoe, a successful author and a sculptor, is also a professor of mathematics at the University of Minnesota specializing in geometry -- a subject for which he is well known in world mathematics circles.

As to who would direct the "space foundation," Pedoe believes Henry Moore, the great sculptor, would be a natural.

"No one else knows more about the nature of such space. Would you call him a scientist or an artist?"

"Mathematics," says Pedoe, "is an art as well as a science. No computer could do it, as it is practiced by its innovators.

"But then, all science itself is an art. A hypothesis becomes well established through trial and error testing and becomes a theory. Then someone discovers something new about the whole thing and the theory no longer holds. We have to start over.

"I don't think anybody really knows what science is. The satisfactions mathematicians and other scientists get are similar to those of other artists. So much so that you can't tell them apart."

(MORE)

The author of "The Gentle Art of Mathematics," a popular book now in its third reprinting as a Penguin paperback, Pedoe spends much of his spare time creating forms in clay. His sculpture of semi-surreal human forms and strange animal creatures, reflects his inner command of the geometrical relationships involved, demonstrating a combination of skillful art with a deep knowledge of mathematics.

Pedoe's book ends with a quote from Poincare, the great French mathematician. Poincare's statement, first made in the late 1800's, may sum up much of science, mathematics, and art today: "Discovery consists precisely in not constructing useless combinations, but in constructing those which are useful, which are an infinitely small minority. Discovery is discernment, selection."

Professor Pedoe taught at the Universities of Southampton, Birmingham and London in England, and was the first mathematics professor at the University of Khartoum in the Sudan. He later became professor of mathematics at the University of Singapore, coming to the United States in 1962. He has been at the University of Minnesota since 1965.

The Mathematical Association of America is an organization devoted to the teaching of mathematics. This is the first year it has awarded the Lester R. Ford prize.

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50,000-DOLLAR MODEL OF
IRANIAN DAM BUILT AT U OF M
TO SOLVE EROSION PROBELM

(FOR IMMEDIATE RELEASE)

The \$50,000 cost of a model dam is "peanuts" compared to the cost of the real thing, according to Professor A.G. Anderson of the St. Anthony Falls Hydraulic Lab of the University of Minnesota.

The dam model has been constructed in a huge room at the hydraulic lab. The lab, located on the banks of the Mississippi river near Minneapolis, uses the river as a water source.

The real dam, worth an estimated \$150 million, is being constructed on the Karun River in Iran.

At the hydraulic lab, water shooting from the end of the "ski-jump"-type model spillway rises over three feet above the water surface during maximum flow. The actual dam being built in Iran is 80 times larger than the model.

The model is being used to determine the most economical, best-engineered spillway design. Spillway design in a dam is especially crucial due to effects of downward erosion of a stream below the dam during floods, points of erosion near the dam structure -- which could lead to collapse of the dam -- and effects on the topography in the area of the dam during periods of maximum water flow.

The model, including the spillway and a mock-up of the river gorge, is being built according to the latest field findings of geologists, engineers, and other scientists at the actual dam site under the sponsorship of the designers of the dam, Harza Engineering International of Chicago, for the government of Iran.

(MORE)

The Karun Dam project is important to Iran's future growth. The dam will provide electrical power to all parts of the country, meeting the ever-increasing needs of that rapidly developing nation.

"This model is typical of the research we do for consulting engineers who are responsible for the overall design of a given real system," Anderson said.

"Our interest in these projects has considerable educational benefits to our students. We are able to do an engineering study of a real-life problem as well as facilitating on-going technical developments.

"The use of models is quite common in hydraulics projects, saving millions of dollars in materials, time, and labor as well as providing an improved hydraulic system."

Models of water systems from all over the world are under study at the hydraulic lab located on Hennepin Island at the head of St. Anthony Falls about a mile upstream from the Minneapolis campus of the University.

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NOVEMBER 27, 1968

LIST OF UNIVERSITY OF MINNESOTA, TWIN CITIES CAMPUS, PUBLIC EVENTS
WEEK OF DECEMBER 1-8

- Sun., Dec. 1 -- University Theatre: "A Man for All Seasons," drama by Robert Bolt, last performance, Scott Hall, 3:30 p.m. Admission.
- Sun., Dec. 1 -- "White Wilderness," Walt Disney movie, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Dec. 1 -- Concert Band Ensemble, Northrop auditorium, 4 p.m. Free.
- Sun., Dec. 1 -- Renaissance singers and chamber orchestra, University Lutheran Church of Hope, 601 Thirteenth ave. SE., Mpls., 8 p.m. Free.
- Mon., Dec. 2 -- "Children of the World," photographic exhibit by Rohn Engh, free-lance photographer, Coffman Union main lounge, 7 a.m.-11 p.m. Mon.-Fri., through Dec. 6. Free.
- Mon., Dec. 2 -- Religious paintings, through Dec. 30, St. Paul Student Center Rouser Room Gallery, Mon.-Sat. 7 a.m.-11 p.m., Sun. noon-11 p.m. Free.
- Mon., Dec. 2 -- Christman egg display, through Dec. 14, St. Paul Student Center main floor display cases, Mon.-Sat. 7 a.m.-11 p.m., Sun. noon-11 p.m. Free.
- Mon., Dec. 2 -- Ski film, Coffman Union main ballroom, 11 a.m.-1 p.m. Free.
- Mon., Dec. 2 -- Mike Hauser, flamenco guitarist, St. Paul Student Center Rouser Room, 1-2 p.m. Free.
- Mon., Dec. 2 -- "Faust," University Film Society, Museum of Natural History auditorium, 3:30, 7 and 9:15 p.m. Admission.
- Mon., Dec. 2 -- "Some Properties of Magnetic Alloys," lecture by A. J. Dekker of the Solid State Physics Laboratory in Groningen, Netherlands, room 25 Architecture, 4:15 p.m. Free.
- Mon., Dec. 2 -- John Elander, graduate organ recital, Grace University Lutheran Church, Harvard and Delaware sts. SE., Mpls., 8 p.m. Free.
- Tues., Dec. 3 -- Christmas program with choirs from Twin Cities area high schools, Coffman Union main ballroom, 10:30 a.m.-1:45 p.m. Also Wednesday and Thursday. Free.
- Tues., Dec. 3 -- Candlemaking demonstration, St. Paul Student Center Rouser Room; 2 p.m. Free.
- Tues., Dec. 3 -- Phi Mu Alpha contemporary music concert, Mann Court of the Architecture building, 8 p.m. Free.
- Tues., Dec. 3 -- Civic Orchestra concert, Coffman Union main ballroom, 8:30 p.m. Free.
- Wed., Dec. 4 -- Rescheduled football awards convocation, Northrop auditorium, 1:15 p.m. Free.

(MORE)

CALENDAR

-2-

- Wed., Dec. 4 -- Star of Bethlehem lecture by Karlis Kaufmanis, associate professor of astronomy, Coffman Union main ballroom, 3 p.m. Free.
- Wed., Dec. 4 -- University Gallery: Public preview of caricatures by David Levine, Northrop auditorium, 3 to 5 p.m. Exhibit through Dec. 30. Regular gallery hours 8:30 a.m. to 4 p.m. Mon.-Fri. and 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Wed., Dec. 4 -- University Gallery: Monochromatic paintings by Tom Evans, M.F.A. exhibition, through Dec. 30, Northrop auditorium, hours listed above. Free.
- Wed., Dec. 4 -- "Planning in a Social Context," lecture by Hosni Iskander, associate professor of architecture, room 214 Haecker hall (St. Paul), 3:30 p.m. Free.
- Wed., Dec. 4 -- "Thermal Pollution of Natural Fresh Water," lecture by Theodore Olson, professor of environmental health, Museum of Natural History, 7:30 p.m. Free.
- Wed., Dec. 4 -- "1915 to the Supreme Court Decision on Education," lecture by Mrs. Caroline Rose, associate professor of sociology at the Federal City College, Washington, D. C., fifth in a series of six lectures on color and culture in America, Mayo auditorium, 8 p.m. Admission.
- Wed., Dec. 4 -- Public poetry reading by Robert Creeley, Scott hall auditorium, 8:30 p.m. Admission \$1.
- Wed., Dec. 4 -- Concert by the University of Minnesota Choirs and members of the Minnesota Orchestra, Northrop auditorium, 8:30 p.m. Free.
- Thurs., Dec. 5 -- Micro wave cooking demonstration, St. Paul Student Center Rouser Room, noon. Free.
- Thurs., Dec. 5 -- "Recent Developments in Air Pollution Control," lecture by William Licht, professor of chemical engineering, room 25 Architecture, 4:15 p.m. Free.
- Thurs., Dec. 5 -- Nancy Robillard, pianist, and instrumental ensembles, Scott hall auditorium, 8 p.m. Free.
- Sat., Dec. 7 -- John Madura, cello recital, Scott hall auditorium, 8 p.m. Free.
- Sat., Dec. 7 -- "The Whole," coffeehouse with local talent, Coffman Union, 8:30 p.m.-midnight. Admission 50 cents.
- Sun., Dec. 8 -- "Kingfisher," movie on the English Green Kingfisher, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Dec. 8 -- Beverly Hayden, piano recital, Scott hall, auditorium, 4 p.m. Free.

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UNIVERSITY OF MINNESOTA
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For further information, contact:
LYNN MARASCO, 373-2126

'ART OF POETRY' PROGRAM
IN SEARCH OF LOCAL SUPPORT

(FOR IMMEDIATE RELEASE)

The National Endowment for the Arts, Washington, D. C., will award a \$5,463 grant extension to enable the University of Minnesota to continue its "Art of Poetry" program, provided that the University raise matching funds.

Mrs. David LaBerge, director of the program, recently announced the beginning of a drive to raise the necessary sum. The grant extension and matching funds will enable the program to operate through the spring of 1969, she said.

During the winter and spring of 1968, the grant made possible a program entitled "Dialogues on the Art of Poetry," co-sponsored by the University's General Extension Division, the Minneapolis Public Schools and the Academy of American Poets.

Nine major American poets gave a series of public poetry readings and held seminars for Minneapolis teachers. In addition, the program brought local poets into Minneapolis classrooms to work directly with the students.

This fall four poets --- David Ignatow, Robert Creeley, Donald Hall and Louis Simpson --- are participating in the program. Ignatow gave a public reading at the University Nov. 20 and Creeley will read Wednesday (Dec. 4) at 8:30 p.m. in Scott hall.

Anyone who wishes to contribute to the support of the program can contact Mrs. LaBerge at the University's MacPhail Center, 1128 LaSalle ave., Minneapolis (telephone 332-4424), or at her home, 2410 Sherwood Hills Road, Minnetonka (telephone 545-6879).

-UNS-

UNIVERSITY OF MINNESOTA NEWS NOTES

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
NOVEMBER 27, 1968

'U' PRESS PUBLISHES
GUIDE TO COLLEGE CHOICE

"What Type of College For What Type of Student," has been published by the University of Minnesota Press as No. 14 in the Minnesota Studies in Student Personnel Work Series.

This report of a survey of more than 12,000 Minnesota high school graduates who entered colleges was authored by Albert B. Hood, professor of educational psychology at the University of Iowa. A paperbound publication, it includes facts of interest to parents and students, as well as high school counselors and teachers.

The series is edited by E.G. Williamson, dean of students at the University of Minnesota.

'TAHITIAN JOURNAL'
WRITTEN BY ARTIST

American artist George Biddle's "Tahitian Journal" has been published by the University of Minnesota Press.

The book, a day-by-day account of life in Tahiti nearly 50 years ago, includes some of the author's Tahitian art work and photographs.

Biddle, who is now 82 years old, was born in Philadelphia and lived in Tahiti for two years following service in World War I. His work is in the collections of most of the country's leading art museums including the Museum of Modern Art and the Metropolitan Museum of Art in New York and the National Gallery in Washington, D.C. His earlier books include "American Artist's Story" and "The Yes and No of Contemporary Art."

'U' PRESS PUBLISHES
MEDIEVAL PHILOSOPHY

The first English translation of a medieval work in philosophy, "William of Sherwood's 'Treatise On Syncategorematic Words,'" has recently been published by the University of Minnesota Press.

The translator, Norman Kretzmann, is a professor in the Sage School of philosophy at Cornell University. He includes an introduction and notes which the 20th-century reader may need for an understanding of this 13th-century discussion.

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UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

CAROLINE ROSE TO GIVE
COLOR AND CULTURE LECTURE

Sociologist Caroline Rose will speak on "1915 to the Supreme Court Decision on Education" at 8 p.m. Wednesday (Dec. 4) in Mayo auditorium on the University of Minnesota Minneapolis campus. The lecture is the fifth in a series of six on the history of the black man in America.

Mrs. Rose, widow of the late University professor of sociology Arnold Rose, was associated with the University of Minnesota for 20 years prior to accepting a position this year with the Federal City College in Washington, D. C. The Federal City College, with a 95 per cent black enrollment, is an experimental four-year liberal arts school providing the first low-cost higher education in the District of Columbia.

At the University of Minnesota, Mrs. Rose was affiliated with the sociology department, Project Social Studies, the New Careers program and the General Extension Division.

The lecture series is sponsored by the General Extension Division's departments of special courses and continuing education in urban affairs.

'U' SOCIETY TO SHOW
RUSSIAN-INDIAN FILM

"Journey Beyond the Three Seas," a 1964 Russian-Indian production, will be shown at 8 p.m. Friday (Nov. 29) in the Bell Museum of Natural History auditorium, University of Minnesota.

The film, sponsored by the University Film Society, is based on the 14th-century travels of Russian chronicler Afanasy Nikitin and is set in exotic Central Asia and the Himalayas.

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

ANDERSEN, DAYTON
ELECTED TRUSTEES
OF UNIVERSITY FOUNDATION

(FOR RELEASE AT 10:15 A.M. TUESDAY, DEC. 3, 1968)

Two outstanding Minnesotans were elected this morning (Tuesday, Dec. 3) to serve four-year terms on the board of trustees of the University of Minnesota Foundation.

Elmer L. Andersen, former governor of the state, board chairman and president of H.B. Fuller Company of St. Paul and University Regent, and Donald C. Dayton, retired chairman of the board of the Dayton Corporation, were elected at a quarterly meeting of the 32-member board at the University.

Andersen, who served as governor of Minnesota from 1961 to 1963, received his bachelor of arts degree from Minnesota in 1931 and a bachelor's degree in business administration in 1937. In 1959 he received the University's Outstanding Achievement Award and in 1966 became a member of the Board of Regents. His home is at 2230 Hoyt Av. W., St. Paul.

Dayton, a 1937 graduate of Yale University, is a resident of Oronc. In 1947 he was voted Outstanding Young Man of Minneapolis.

The University Foundation, a separate legal entity, seeks private support for University needs for which legislative funds are generally not available. Its direction and resources are under the management of the board of trustees.

Arthur H. Motley, president of Parade Publications, Inc., New York, is chairman of the board. Bernard H. Ridder, Jr. publisher of the St. Paul Dispatch-Pioneer-Press, is current president of the Foundation.

Other officers are Harold W. Sweatt, honorary chairman of the board of Honeywell, Inc., senior vice president; Jay Phillips, chairman of the board of Ed. Phillips and Sons Company, vice president; James H. Binger, chairman of the board of Honeywell, Inc., vice president; Mrs. Richard P. Gale, Mound, secretary and Henry C. Mackall, senior member of Mackall, Crouse, Moore, Helme and Holmes, treasurer. Fred J. Lauerman is the director of the Foundation.

-UNS-

'U' WINTER QUARTER
EVENING, SAT. A.M.
REGISTRATION TO OPEN

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 3, 1968

(FOR IMMEDIATE RELEASE)

For further information, contact:
LYNN MARASCO, 373-2126

"Evening classes" will be offered on Saturday mornings at the University of Minnesota beginning this winter.

Theodore Campbell, director of evening classes for the General Extension Division, explained that the nine Saturday classes represent an effort to accommodate those who are unable to attend classes in the evening.

In addition to the Saturday morning classes, some 200 regularly scheduled evening classes will be taught during the winter quarter, which begins Jan. 3 and ends March 14.

Registration for winter quarter classes will be held Dec. 16-30, with limited class reservations available Dec. 12-13.

All of the Saturday morning classes will be taught on the University's Minneapolis campus, and all carry three degree credits. The courses are as follows:

Accounting 24 -- Principles of Accounting
Art 20 -- Basic Drawing
English 1 -- Freshman English
Humanities 2 -- Humanities in the Modern World II
Philosophy 2A -- Logic
Political Science 1 -- American Government and Politics
Psychology 1 and 4 -- General Psychology and Introductory Laboratory Psychology
Sociology 1 -- Man in Modern Society

Campbell said that if a group of students wishes to have a certain course taught on Saturday, they should let the department know and it might be arranged for spring-- or even winter -- quarter.

Evening classes will be taught on the University's Minneapolis and St. Paul campuses; at MacPhail Center, 1128 LaSalle Ave., Minneapolis; the St. Paul Extension Center, Ninth and Exchange Sts., St. Paul; and the Northwest Suburban Extension Center at Carl Sandburg Junior High School, 2400 Sandburg Lane in Golden Valley.

Registration for all evening and Saturday classes will be taken at the Minneapolis campus evening classes office, MacPhail Center and the St. Paul Extension Center. The Northwest Suburban Extension Center will take registrations only for classes to be held there.

Students also may register by mail and can receive registration materials by contacting the department of evening classes main office at 57 Nicholson Hall, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-3195.

Office hours for each location can be obtained from the main office and from the individual offices.

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

HEALTH OFFICIAL
TO RECEIVE AWARD
FROM 'U' REGENTS

(FOR IMMEDIATE RELEASE)

Dr. Bichat Rodrigues, regional advisor on smallpox for the Pan American Health Organization in Washington, D.C. will receive the University of Minnesota's Outstanding Achievement Award Thursday (Dec. 5).

Dr. Rodrigues, a 1947 graduate of the University's School of Public Health master's degree program, will receive the award from William G. Shepherd, University vice president for academic administration, at a seminar for public health students and faculty at 3:15 p.m. in room 100 Mayo auditorium at the University in Minneapolis. Dr. Rodrigues will address the seminar on smallpox eradication in the western hemisphere.

A former director general of the Brazilian national health department, Dr. Rodrigues has been honored by the University's Board of Regents for achieving high distinction in his field.

Before joining the Pan American Health Organization staff two years ago, Dr. Rodrigues represented Brazil at many international health conferences.

-UNS-

ABILITY GROUPING
TO BE DISCUSSED
ON SCHOOLMEN'S DAY

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 5, 1968

(FOR IMMEDIATE RELEASE)

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

Is it legal to divide public school students according to their demonstrated ability -- or does such division result in de facto segregation?

This question will be discussed Thursday, Dec. 12, at the annual Schoolmen's Day at the Holiday Inn Central in Minneapolis. More than 600 Minnesota elementary and secondary school administrators are expected to attend the sessions, sponsored by the State Department of Education and the University of Minnesota College of Education department of educational administration.

The main speakers will be the principal figures in a case which was tried last year in the U.S. District Court in Washington, D.C. Julius W. Hobson, the plaintiff who won the case, was elected in November to serve on the District Board of Education. He is an economist with the Social Security Administration and has one daughter in a District of Columbia elementary school and a son in college. He is a member of the Black United Front.

"The Track System -- A Failure in Public Schools" will be the topic for Hobson's talk at a noon luncheon.

Carl F. Hansen, former superintendent of schools in the District and the defendant in the case, will speak at 2 p.m. "The Wright Decision -- A Court's Definition of Equality in Education" will be his topic.

In the court case Hobson charged that Hansen and members of the Board of Education, through implementation of the track system (a form of ability grouping in which students are divided in separate, self-contained curricula ranging from "Basic" for the slow student to "honors" for the gifted) had deprived the District's black and poor public school children of their right to an equal educational opportunity with the white and more affluent children in the District's public schools.

(MORE)

The decision by Judge J. Skelly Wright has been appealed to the U.S. Court of Appeals. The American Association of School Administrators is supporting Hansen and charges that the federal court has usurped the legal and historic prerogatives of boards and school administrators.

Following the speeches, a panel of three Minnesota educators will discuss the case. They are Roland R. Delapp, principal of North High School, Minneapolis; F.P. Schoettle, associate professor of law, University of Minnesota, and Thomas F. Stark, superintendent of schools, Grand Rapids, Minn.

Duane J. Mattheis, State Commissioner of Education, will preside at the afternoon session.

Schoolmen's Day will begin at 9 a.m. Thursday (Dec. 12). A. Harry Passow, professor of education at Columbia University Teachers College, will speak at 9:30 a.m. His topic will be "Ability Grouping: What Have We Learned?" Following his talk there will be a panel discussion by Robert Burnett, principal, Concord elementary school, Edina; W. Ray Cross, assistant professor of educational administration, University of Minnesota; and G. Max Spriggs, coordinator of special education, Roseville.

Robert J. Keller, dean of the University of Minnesota College of Education, will preside at the morning session.

Professor Clifford P. Hooker, chairman of the University department of educational administration, is chairman of the Schoolmen's Day planning committee.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 5, 1968

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

'U' DENTAL SCHOOL
RECEIVES GRANTS

(FOR IMMEDIATE RELEASE)

The University of Minnesota School of Dentistry has received two U. S. Public Health Service grants totaling some \$239,000 for the continuing support of two post-graduate programs. Both grants were subjected to the recent federal medical research reduction.

More than \$120,000 will be used for a clinical research training program, starting at the end of the sophomore year, which leads to a doctor of philosophy degree in dentistry.

The other grant, renewed for a five-year period, will fund a teaching and research training program for graduates of the Dental School who are enrolled in a Ph.D. program in one of the basic sciences.

Twenty students are currently enrolled in the two programs at the University, making it one of the largest such combined degree programs in the country.

-UNS-

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

MACPHAIL YOUTH ORCHESTRA
TO PERFORM IN CONCERT

The University of Minnesota MacPhail Center youth orchestra, made up of outstanding musicians from Twin City area junior and senior high schools, will present a free, public concert Sunday (Dec. 8) at 3 p.m. in Coffman Union.

Conducting the orchestra will be Arnold Krueger, orchestra conductor at Owatonna High School, who is working with the group while its permanent conductor, Anthony Gilombardo, is on sick leave.

MacPhail Center is part of the University's General Extension Division.

PURYEAR LECTURE
POSTPONED TO DEC. 18

Paul Puryear, professor of political science at Fisk University in Nashville, Tenn., who was scheduled to close the University of Minnesota's lecture series on the history of the black man in America Wednesday (Dec. 11), has postponed his lecture until Wednesday, Dec. 18.

He will speak on "The Situation Today" at 8 p.m. in Mayo auditorium in Minneapolis.

Previous lectures in the series have dealt with the African heritage of black America, slavery, Reconstruction, the age of Booker T. Washington and W. E. B. DuBois, and 20th-century issues and answers.

-UNS-

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
DECEMBER 6, 1968

LIST OF UNIVERSITY OF MINNESOTA, TWIN CITIES CAMPUS, PUBLIC EVENTS
WEEK OF DECEMBER 8-15

- Sun., Dec. 8 -- University Gallery: Caricatures by David Levine and M. F. A. exhibition of monochromatic paintings by Tom Evans, through Dec. 30, Northrop auditorium, 8:30 a.m.-4 p.m. Mon.-Fri. and 2-5 p.m. Sun. (except during paid events in Northrop). Free.
- Sun., Dec. 8 -- Religious paintings from the National Gallery, St. Paul Student Center Rouser Room Gallery, Mon.-Sat. 7 a.m.-11 p.m., Sun. noon-11 p.m. Free.
- Sun., Dec. 8 -- Christmas egg display, through Dec. 14, St. Paul Student Center main floor display cases, Mon.-Sat. 7 a.m.-11 p.m. and Sun. noon-11 p.m. Free.
- Sun., Dec. 8 -- "Kingfisher," movie on the English Green Kingfisher, Museum of Natural History, 2:30 and 3:30 p.m. Free.
- Sun., Dec. 8 -- MacPhail Center Youth Orchestra concert, Arnold Krueger conducting, Coffman Union, 3 p.m. Free.
- Sun., Dec. 8 -- Beverly Hayden, piano recital, Scott hall auditorium, 4 p.m. Free.
- Sat., Dec. 14 -- Fall quarter commencement exercises, address by J. Russell Wiggins, U. S. representative to the United Nations, Northrop auditorium, 7:30 p.m. Open only to graduates and their families.
- Sun., Dec. 15 -- "Antarctic Seas," slides and two films, Museum of Natural History, 2:30 and 3:30 p.m. Free.

NOTE: Photos of certain laboratory aspects of this work can be obtained on request.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 6, 1968

For further information, contact:
BILL HAFLING, 373-2126

DRUG ADDICTION SAID TO RESULT
FROM TRAINING AND ENVIRONMENT

(FOR IMMEDIATE RELEASE)

The switch from tobacco to marijuana is an easy one to make, simply because the tobacco industry spends millions of advertising dollars "training people how to inhale," says a researcher in the psychology of drug addiction.

"Relatively few of the many different kinds of drug users and abusers in the United States today take their drugs by injection, primarily because the technique of injection is just not taught people on as large a scale," says George Bigelow, a graduate research assistant in the department of psychiatry and neurology at the University of Minnesota.

Research into the behavior of drug addiction, including everything from tobacco and alcohol to LSD, heroin, and amphetamines, has led Bigelow and other researchers to believe that the self-administration of drugs is learned under the control of the environment.

A comparison of the different rehabilitation treatments used on drug addicts show that the environment of drug-taking may determine whether or not an addict stays "cured."

Under U.S. Public Health Service Hospital methods, for instance, addicts often become addicted again after being treated and released. According to Bigelow's evidence, this may be because the addicts quite often return to the exact same environment in which they first learned to take drugs. These addicts see the same old friends, the same old room -- and the same old dope peddler. Everything around them favors a return to the habit.

(MORE)

"One reason for the relative success of the well-known Synanon technique, on the other hand," Bigelow explains, "is that cured addicts are advised to do everything possible to avoid the old environment.

"They move into the Synanon house and live there in a completely new environment which favors their staying off drugs. In fact, any behavior even remotely related to drug-taking is socially punished at Synanon."

The number one group of addicts in America today -- an estimated two to five million alcoholics -- are subject to the same analysis. The social environment surrounding these people --- who accounted for 22 per cent of first admissions to state mental hospitals in 1964 --- may well be a powerful cause of their addiction.

Research discussed by Bigelow shows, further, that a "behavioral tolerance" often results from prolonged drug use. After repeated administrations of a drug, the individual is better able to perform certain tasks than on the first dose.

This type of tolerance may be seen, for instance, in the behavior of chronic alcoholics. They often get around much better than the acute "once in a while" drunk who just isn't used to it.

"The idea is that the experienced drug user is to some extent relearning to perform his usual behaviors under the altered stimuli of the drugged condition," Bigelow explained.

"Experienced drug users are often able to drive cars and behave in public without too many errors.

"Altered body chemistry, caused in a person by drugs, is a stimulus in itself. Effects on behavior can thus be analyzed in terms of the type of stimulus consequences the drugs produce on a person from within."

The total drug-taking environment may be seen on a different level by observing a common practice of addicts who "just stick a needle in their arm for fun and shoot up with nothing but water."

(MORE)

Even though no drugs are present these addicts often "feel high" for awhile because the act of injection has itself become a conditioned stimulus for the drug effect.

This effect is similar to the well-known "placebo" effect, in which an inactive agent, for example a sugar pill, can make a person feel better for a while, even in cases of real physical illness.

Animal experiments discussed by Bigelow also show the effect of stimuli surrounding drug taking.

Monkeys under carefully controlled methods of self-administration were allowed to become addicted to morphine. The drug was then taken away and the monkeys began withdrawal. During this period the monkeys were pacified -- at least for brief periods of time -- by allowing them to "inject" themselves with nothing more than a plain salt solution rather than the drug.

"Researchers are investigating the chemistry of mental illness," Bigelow said, "attempting to discover specific chemicals in the blood of mental patients which are different from those of normal people.

"The major tranquilizers introduced about 15 years ago are known to cause the selective reduction of psychotic symptoms.

"We also know that these same tranquilizers will suppress states similar to a transient psychosis caused by the hallucinogenic drugs LSD and mescaline.

"All of this suggests that particular chemicals or drugs in the body are controlling particular behavioral tendencies."

Some of the goals of this research are to develop effective techniques for screening drugs which might be useful in psychiatry; to develop an understanding of the behavioral factors involved in drug abuse, and to investigate the chemical factors involved in learning and behavior change.

Bigelow discussed much of this research at the second annual meeting and "retreat" of Twin Cities area (Minnesota) psychologists, held at Camp St. Croix, Wis., this fall.

KILDOWS HONORED
BY ESTABLISHMENT
OF SCHOLARSHIP FUND

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 9, 1968

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

Fred L. Kildow, professor emeritus in the University of Minnesota School of Journalism and Mass Communication, and Mrs. Kildow have been honored by the establishment of a \$10,000 scholarship fund in their name at the school.

An award from the Kildow fund will be made next spring at the annual Journalism Day banquet. No specific requirements have been established for the award.

Otto W. Quale, executive director of the National Scholastic Press Association (NSPA) and the Associated Collegiate Press (ACP), presented the fund to the school.

Kildow, who retired from the University in 1965 after serving on the faculty for 37 years, is credited with co-founding the NSPA at the University of Wisconsin and founding the ACP at the University of Minnesota and serving as the director of both organizations for some 40 years. He is widely known throughout the country by journalism advisers and students who attend the annual national meetings of the two associations. His wife, Lucille, has been closely associated with the organizations and worked with him in their development.

The Kildows live at 5036 Yvonne Ter., Edina.

"The school is enormously pleased to receive this gift which honors one of the truly outstanding pioneers in journalism education," said Professor Robert L. Jones, director of the School of Journalism and Mass Communication.

"Both Professor and Mrs. Kildow have influenced generations of young people interested in the field and have been instrumental in guiding many of them into careers in mass communications. As a founder and director of the NSPA and the ACP, the Kildows have made a permanent contribution to our field."

2 JOIN 'U' FACULTY
IN THEATRE, SPEECH

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 9, 1968

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

Appointment of two new faculty members in the University of Minnesota department of speech, communication and theatre arts has been announced by Kenneth L. Graham, chairman of the department.

Irene M. Pieper, 29, has been named assistant professor and is in charge of costuming for the University Theatre.

Charles E. Speaks, 33, has been appointed as an associate professor and is in charge of the department's speech science division.

Miss Pieper was formerly an instructor in the drama departments at the University of Houston (Texas) and at San Francisco State College. She has worked as a costumer and costume designer for various professional theatre groups in San Francisco. A political science graduate of the University of California, Davis, she received her master's degree in drama from San Francisco State. She has traveled extensively and studied art in Mexico, Central America and Europe.

Speaks, a specialist in speech instrumentation and hearing loss, came to Minnesota from Houston, Texas, where he was associate director of research at the Houston Speech and Hearing Center and research assistant professor of audiology and speech pathology at Baylor University College of Medicine. He received his Ph.D. from the University of Michigan and his bachelor's and master's degrees from Ohio University. He is the author of numerous articles for professional speech and hearing journals.

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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 9, 1968

SILBERMAN NEW HEAD
OF WATER RESOURCES ASSN.

Professor Edward Silberman was elected and installed as president of the American Water Resources Association at its fourth annual conference held in New York recently. Silberman is a professor in the department of civil engineering and hydraulics and director of the St. Anthony Falls Hydraulic Laboratory at the University of Minnesota.

The American Water Resources Association was formed in 1964 to serve as an organization which would bring together people from the diverse professional disciplines concerned with the various aspects of water resources problems. Its membership includes engineers and physical, biological and social scientists.

The objectives of the association are the advancement of water resources research, planning, development and management, and the collection and dissemination of information in water resources sciences and technology. Professor Silberman has served on the board of directors of the AWRA for two years and during 1968 was a vice president.

JEA HONORS
PROF. JONES

Robert L. Jones, director of the School of Journalism and Mass Communication at the University of Minnesota, was one of three persons honored recently by the Journalism Education Association (JEA) for "outstanding service to journalism education."

Professor Jones, Professor Edmund C. Arnold of Syracuse University and Dean DeWitt C. Reddick of the University of Texas were awarded Carl Towley plaques at the JEA national convention at the Palmer House in Chicago. This is the highest award given by the association of secondary school journalism teachers.

Professor Jones addressed the convention on the topic, "The Curriculum Wilderness."

(MORE)

CRAWFORD ELECTED
ACS DIRECTOR

Bryce Crawford, Jr., Dean of the Graduate School and professor of chemistry at the University of Minnesota, has been elected to the board of directors of the American Chemical Society. He will begin a three-year term as director-at-large Jan. 1.

The American Chemical Society, with headquarters in Washington, D.C., has a membership of more than 110,000 chemists and chemical engineers. Crawford was chairman of the University chemistry department from 1955 to 1960, when he was promoted to his present position.

HOWELL ELECTED
SAA OFFICER

William S. Howell, professor of speech, communication and theatre arts at the University of Minnesota, has been elected second vice president of the Speech Association of America (SAA), effective Jan. 1.

The SAA constitution provides for automatic succession from second vice president to first vice president to president. It is a national organization of some 4,000 teachers of speech in elementary and secondary schools and colleges and universities.

Professor Howell has been a member of the Minnesota faculty since 1945. He is the author of several speech text books and numerous articles, and was speech adviser to the Minnesota State High School League for many years. Recently he has been conducting research in intercultural, interpersonal communication, particularly concerning the communication problems of North Americans who are working abroad.

'U' PRESS PUBLISHES
BOOK ON PORTUGAL, BRAZIL

Portuguese and Brazilian culture are discussed in a book published Dec. 6 by the University of Minnesota press.

"Portugal and Brazil in Transition" includes 27 essays based on papers given at the Sixth International Colloquium of Luso-Brazilian Studies held in the United States in 1966. Raymond S. Sayers, the editor, is professor of Romance languages at Queens College, City University of New York,

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UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
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DECEMBER 13, 1968

For further information, contact:
BILL HAFLING, 373-2126

PLANS ANNOUNCED FOR U OF M
FRESHWATER BIOLOGY LAB

(FOR RELEASE AT NOON FRIDAY, DEC. 13)

Plans for a freshwater biological institute were presented today (Friday, Dec. 13) to the University of Minnesota Board of Regents.

The regents were asked to accept the laboratory by a group of businessmen who proposed to develop the funds which would provide for construction and operations. The board agreed to accept the lab provided that funds for its construction, estimated at \$2 million, are raised and that \$1.5 million is available for operational costs.

As proposed at this time, the laboratory --- to be part of the University's College of Biological Sciences --- would be located on Lake Minnetonka, near the Twin Cities of Minneapolis-St. Paul. Lake Minnetonka has been under study by University scientists for some time because it has a serious pollution problem and can easily be observed on a day-to-day basis.

Richard S. Caldecott, dean of the College of Biological Sciences, and Professor Alan Brook, head of the department of ecology and behavioral biology within that college, have been working actively on plans for the institute since Brook was approached last summer by two Minnetonka-area businessmen: Richard Gray, Sr., president of Zero-Max Co., and Hibbard Hill, a retired vice-president of Northern States Power Co.

Brook, a leading authority in freshwater biology, pointed out the acute shortage in the world of well-trained freshwater biologists and other scientists related to this field. He emphasized that, because of this shortage, the laboratory should make the training of graduate students one of its prime functions.

(MORE)

One reason for locating the institute in Minnesota, according to Gray, is that "There is no comparable area in the world. We have fresh water in all forms, including the four types of lakes found throughout the world."

Scientists at the institute would also have more than 15,000 lake basins of 10 acres or larger to study, in the "land of 10,000 lakes."

Dean Caldecott stressed that "Minnetonka is one of the largest and most complex bodies of water in the state of Minnesota and, in different regions of the lake, ranges from portions which are relatively unpolluted to those which are heavily polluted."

"This readily accessible environment," he added, "assures the relatively easy translation of information obtained from Minnetonka's environs to many other lakes in the state and beyond."

The lab would study the physical, chemical and biological aspects of all forms of fresh water. It would be staffed by an estimated 48 scientists and trainees. Hopefully, six major laboratories within the institute would eventually be established, each headed by a leading scientist in that particular field of study. Six laboratories for visiting scientists from all over the world also would be included.

Fields of study represented would include such areas as algal physiology -- the study of phenomena relating to algae; microbial ecology -- the study of the life system of microscopic forms of life; physical limnology -- the study of the physical conditions of bodies of fresh water; and biochemistry.

Such a laboratory is expected to make major contributions toward understanding how lakes and rivers become polluted and what can be done to halt and reverse that condition. A major function of the laboratory would be the training of scientists capable of attacking these problems as they exist throughout the world.

(MORE)

Caldecott points out that:

"Quality fresh water is one of the most valuable natural resources of the state and nation and one of the few that need not be depleted; the hour is late and responsible action now is imperative if water depletion, as a consequence of pollution, is to be arrested;

"Basic studies in aquatic biology will provide key information necessary for pollution control. The studies conducted by the laboratory staff would become a reference source for all manner of private and public concerns whose responsibility it is to deal with polluted bodies of water as well as the consequences of land development on water quality."

UNIVERSITY OF MINNESOTA
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MINNEAPOLIS, MINNESOTA 55455
DECEMBER 18, 1968

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

ART CLASSES
FOR CHILDREN
TO START JAN. 4

(FOR IMMEDIATE RELEASE)

Saturday art classes for children ages 5 to 10 will be offered by the University of Minnesota Institute of Child Development for 10 weeks beginning Jan. 4.

Classes will meet from 10 a.m. to 12:30 p.m. each Saturday at the institute on the University's East Bank campus.

The sessions are planned to provide opportunities for teachers and students to experiment with various art materials and methods of instruction in art.

Registration materials and further information can be obtained from Mrs. Helen Dickison, Institute of Child Development, University of Minnesota, Minneapolis 55455; phone, 373-2219. Fee for the classes is \$10. Children who have not previously attended an art class at the institute will be enrolled first.

Professor Clifton Gayne, chairman of the University art education department, is supervisor of the program. Classes are coordinated by Mrs. Ardis Norberg and taught by graduate students in art education.

-UNS-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
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DECEMBER 18, 1968

For further information, contact:
PATRICIA JULIANI, 373-2126

MESABI TIRE CO.
OFFERS SCHOLARSHIPS
AT UNIVERSITY

(FOR IMMEDIATE RELEASE)

For the eleventh consecutive year, the Mesabi Tire Company of Hibbing is offering scholarships to University of Minnesota students. The scholarships are given in the name of the company's customers as the company's Christmas gifts to them.

The scholarships, which are distributed through the University's Office of Student Financial Aid, are presented by Carl D'Aquila and Mario Casagrande, co-owners of the company, to students enrolled in the Institute of Technology, with preference given to students from the Iron Range. The program was started in 1958.

The company's Christmas card, with a note to the firm's customers from William L. Nunn, Director of the University's Special Projects Program, states, "For eleven years, you, the customers of the Mesabi Tire Company, have shared in giving this most precious gift--the gift of education--and you share an investment in the future of the people in your community, the fine people of the Iron Range."

-UNS-

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DECEMBER 18, 1968

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

3 NEW DIRECTORS
ELECTED TO BOARD
OF BELL ASSOCIATES

(FOR IMMEDIATE RELEASE)

Three new directors were recently elected to the board of the Associates of the James Ford Bell Library at the University of Minnesota.

Elected at the group's annual meeting were Russell Bennett, Sr., Minneapolis mining engineer; Mrs. Wheelock Whitney, Jr., Wayzata, and Mrs. Robert Schweitzer, 1925 Dupont Av. S., Minneapolis.

New officers of the Associates are Irving Kreidberg, executive vice president of North Central Publishing Company, St. Paul, chairman, and H. E. Van der Boom, president of United Furniture Distributing Company, Minneapolis, vice chairman.

Reelected to the board were Elmer L. Anderson, University Regent and former governor of Minnesota; T. R. Anderson, executive director of the James Ford Bell Foundation, Maynard B. Hasselquist, Minneapolis attorney; Lyman Wakefield, Piper, Jaffray and Hopwood, Minneapolis, and Mrs. Walter U. Hauser, wife of the German consul in Minneapolis.

Retiring members of the board this year are John Tilton, Suburban Newspapers, Inc., and Mrs. John Stewart Dalrymple, 1700 Mt. Curve Blvd., Minneapolis.

The Associates assist with programs of the James Ford Bell Library which is located in the University of Minnesota's new Wilson library on the West Bank campus. The library is an outstanding collection of sources on the history of world commerce from the time of Marco Polo to the end of the 18th century, founded by the late James Ford Bell, who was a member of the University Board of Regents.

UNIVERSITY OF MINNESOTA EVENTS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
TELEPHONE: 373-2126
DECEMBER 18, 1968

GERMAN PRINTS, DRAWINGS
ON EXHIBIT IN 'U' GALLERY

Early 20th century German prints and drawings are on exhibit in room 315 of the University of Minnesota Gallery through Jan. 10.

"Evidenced in the subject matter is the pre-war gaiety as well as the 'angst' and frustration of the years during and after the war," said gallery director Charles Savage. The works are from the gallery collection.

The gallery, on the third floor of Northrop auditorium, is open free to the public from 9 a.m. to 5 p.m., Monday through Friday.

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BIOENGINEERING TOPIC
FOR 'U' DISCUSSION

Perry L. Blackshear, Jr., professor of mechanical engineering at the University of Minnesota, will discuss "Bioengineering" at 4:15 p.m. Thursday Jan. 9, in room 25 of the architecture building on the East Bank campus.

The talk, part of the winter quarter electrical engineering colloquia, will include a discussion of the effort to find ways to process blood without destroying it and problems in designing artificial internal organs such as the heart and kidney.

The electrical engineering colloquia, held once a week, are free and open to the public. Tea is served an hour before each lecture.

-UNS-

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
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DECEMBER 20, 1968

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

U OF M, SISTER U
DEVELOP NEW CRITERION
FOR DIAGNOSING LEPROSY

(FOR IMMEDIATE RELEASE)

A cooperative on-going study by the University of Minnesota and her sister University of Seoul, Korea has produced a new criterion for the diagnosis of leprosy.

Although leprosy is not a problem in this country, there are between 10 and 15 million lepers in the rest of the world, and the number has doubled in the last two decades.

Dr. Ramon Fusaro, associate professor in the division of dermatology at the University, and Dr. Soo Duk Lim from Seoul National University studied 216 untreated patients with various kinds of leprosy.

There are an estimated 80,000 leprosy victims in South Korea; only 40,000 are registered with the government, and only 7,000 are institutionalized.

By collecting serum from the patients before they were treated, the doctors were able to determine what type of leprosy each would develop by the types of antibodies in their blood serum.

Dr. Fusaro, who helped Dr. Lim examine the data collected in Korea, explained that the patient's prognosis and infectious nature depends on the type of leprosy he has; and added that this new criterion should be an additional aid to the present criteria which are now being used to determine the type of leprosy which the patient has.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 20, 1968

For further information, contact:
BILL HAFLING, 373-2126

COMPLETE DRUG PICTURE
TO BE PRESENTED AT U
IN JANUARY SYMPOSIUM

(FOR IMMEDIATE RELEASE)

"Drug self-administration, drug dependence, and the social and legal implications," a symposium to be presented at 8 p.m., Monday, Jan. 6, in Mayo auditorium on the Minneapolis campus of the University of Minnesota, will examine many of the problems in today's society brought on by drugs.

Heading the symposium are Regents Professor Paul Meehl, Associate Professor Travis Thompson, and Assistant Professor Roy Pickens. The symposium, free and open to the public, is sponsored by the University of Minnesota Psychology Seminary and the department of concerts and lectures.

Ian Macindoe, conference coordinator for the seminary, emphasizes that "there will be plenty of opportunity for free comment and questions from the audience."

The symposium is aimed at police officers, educators, students, newsmen, "hippies" and others particularly interested in gaining a fuller understanding of drugs as they relate to our society.

Professor Meehl holds appointments in psychology at the University's College of Liberal Arts, Medical School, and Center for Philosophy of Science. He is also an adjunct professor of law. He received his doctorate from the University in 1945 with a major in clinical psychology and a minor in neuropsychiatry. Professor Meehl is listed in "Who's Who" and "American Men of Science."

(MORE)

Professor Thompson is with the departments of psychiatry and neurology, pharmacology and psychology at the University. He received his doctorate from the University in 1961 with a major in physiological psychology and a minor in child development. He is a consultant to the National Institute of Mental Health's scientific advisory committee on abuse of stimulant and depressant drugs.

Professor Pickens is with the departments of pharmacology, psychiatry, neurology and psychology at the University. He received his doctorate from the University of Mississippi in 1965 with a major in experimental psychology, specializing in psychopharmacology. He was a postdoctoral trainee at the University of Minnesota in psychopharmacology in 1965-66.

The University of Minnesota Psychology Seminary (UMPS) is composed of faculty, graduate students and some undergraduate honors seniors. The purpose of the seminary is to bring the various departments of psychology at the University into closer contact with one another and to encourage more communication with psychologists and kindred scientists outside the university.

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 23, 1968

For further information, contact:
BILL HAFLING, 373-2126

NEWS SERVICE INITIATES
ANNUAL HOOPLE AWARD

(FOR IMMEDIATE RELEASE)

Inspired by recent news that the famed cartoon character, Major Amos Hoople, had failed in his attempts to get the press to see the "earthshaking value" of his latest scientific "invention," the University of Minnesota News Service has this year initiated the annual "Hoople Award."

The "Hoople Award" will be given each year-end to the news source at the University who, in the opinion of the writers on the staff, has "done most to get news written up that no one would be interested in except himself." To qualify, the information submitted must be valid in fact but lacking in real news value or, at the least, news interest.

The News Service has awarded the 1968 award to itself for having the unmitigated gall to submit the news of this award to the media.

-UNS-

HAPPY
NEW
YEAR

GEOLOGICAL SURVEY
"WEIGHS" ANCIENT
MINN. MOUNTAINS

(FOR IMMEDIATE RELEASE)

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
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DECEMBER 23, 1968

For further information, contact:
BILL HAFLING, 373-2126

The ancient, now eroded, mountains of Minnesota are being weighed by the Minnesota Geological Survey of the University of Minnesota.

Data obtained from the project "will aid materially in the search and exploration for additional copper-nickel mineral deposits in northern Minnesota, thus helping both industry and the state," says Paul K. Sims, survey director.

Using a gravimeter, an extremely accurate weighing device that records differences in the force of gravity over various kinds of rocks, the survey is measuring differences in the force of gravity throughout Minnesota.

In addition to aiding in the exploration for mineral resources, the gravity measurements are an aid in geologic mapping and in locating hidden faults beneath glacial deposits, Sims explained.

A knowledge of the variations in the force of gravity also are needed to predict correctly missile and satellite trajectories.

Rodney Ikola, survey geophysicist, explained that "gravity measurements can distinguish rocks of different densities. Thus, in northern Minnesota the heavy volcanic rocks that make up the economically important 'greenstone belts' often can be distinguished from barren, lighter, granitic rocks."

Ikola said the greenstone belts are the roots of ancient mountains that existed about 2,500 million years ago.

According to Professor Sims, "The gravity measurements have helped outline greenstone belts included in the state sale of exploration and mining leases.

"The gravity measurements, made at a spacing of two miles throughout most of Minnesota, should be completed by 1973.

(MORE)

"As the gravity measurements are completed, the data are plotted on small-scale (1 to 250,000) topographic maps and contoured. The contoured maps, called simple Bouguer gravity maps, are published mainly in unit areas of one degree latitude and two degrees of longitude."

The study is part of the Minnesota Geological Survey's statewide geologic mapping program, financed by funds from the Minnesota Resources Commission. To avoid duplication, the program is being coordinated with programs of private companies, other states' universities, and federal agencies. The U. S. Army Map Service is actively cooperating with the Minnesota Geological Survey in the program by providing a sensitive gravimeter.

"Greenstone" is an old field name for those compact igneous rocks that have developed enough chlorite in alteration to give them a green cast. "Greenstone" is partially synonymous with the more familiar geologic term "trap," and is often used as a prefix to other rock names.

Igneous rocks are those formed from the cooling of molten material from the earth. Those igneous rocks which have cooled deep in the earth, such as the granites, are usually very compact with extremely low porosity.

Professor Sims was appointed as director of the Minnesota Geological Survey at the University in 1961. He received his doctorate degree from Princeton University in 1950, and is a member of the Society of Economic Geologists and the Colorado Scientific Society, and is a fellow in the Geological Society of America.

STONE MEMORIAL FUND
ISSUES FIRST GRANTS
FOR MEDICAL RESEARCH

UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 23, 1968

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

(FOR IMMEDIATE RELEASE)

The first medical research grants from the Royal A. and Olive W. Stone Memorial Fund were announced today by Eivind Hoff, executive director of the Minnesota Medical Foundation and trustee of the fund.

Almost \$50,000 will be distributed to 13 University of Minnesota heart and cancer researchers as the initial allocation from the perpetual endowment fund.

The first beneficiaries are:

Dr. Joseph Larner, professor of biochemistry, \$6,500 for support of construction of coldroom facility for departmental research;

Dr. James White, associate professor of pediatrics, \$5,000 toward the Medical School's contribution to the purchase of a scanning electron microscope;

Dr. Harry Jacob, assistant professor of medicine, \$3,000 to support a project dealing with the effects of therapeutic irradiation on blood cell membranes;

Dr. Robert Vernier, professor of pediatrics and director of the Cardiovascular Research Center, \$9,350 to buy equipment for a tissue culture laboratory for the nephrology group in the pediatrics department;

H. David Coulter, instructor in anatomy, \$5,380 for laboratory equipment to study communication between cells;

Dr. Alvin Zelickson, associate professor of dermatology and medicine, \$6,000 for the services of an electron microscopist in cancer research studies;

Dr. Arnold Leonard, associate professor of surgery, \$2,450 to buy an instrument laboratory sodium and potassium flame photometer;

Dr. Richard Hong, associate professor of pediatrics, \$1,500 for support of intern-student research studies in the department;

(MORE)

STONE FUND GRANTS

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Dr. Miguel Azar, medical fellow in the department of laboratory medicine, \$1,500 for support of research on cellular and molecular immunological tolerance;

Dorr Dearborn, research assistant in biochemistry, \$4,000 to study low density lipoprotein;

Donald Wetlaufer, professor of biochemistry, \$840 to buy molecular models for department research studies;

Ernest Gray, associate professor of pediatrics and biochemistry, \$2,500 for support of research on molecular events during differentiation in a primitive model situation; and

Dr. Richard Gatti, medical fellow in pediatrics, \$1,970 for support of investigation of lymphocytes and eosinophils in Hodgkin's disease and other immunological disorders.

Mrs. Stone bequeathed some \$4 million to the Minnesota Medical Foundation, a non-profit organization providing private financial aid to the University's Medical School. Mrs. Stone, whose husband was a graduate of the University Law School, also gave \$2 million to the Law School making the Stone Fund the largest single bequest received by the University.

Hoff added that plans are being developed for additional grants from the Stone Memorial Fund in 1969.

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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 27, 1968

'U' PRESS PUBLISHES
'MONTALE AND DANTE'

"Montale and Dante," the first book-length study in English of the contemporary Italian poet Eugenio Montale, was published Dec. 11 by the University of Minnesota Press.

Arshi Pipa, University associate professor of French and Italian, is the author of the criticism which focuses on the influence of Dante, an Italian poet of an earlier era, on Montale. Included are five prose selections by Montale which are published for the first time in English translation. The book is No. 4 of the Minnesota Monographs in the Humanities series edited by Professor Gerhard H. Weiss, associate dean in the College of Liberal Arts.

STECKLEIN WORK TO
APPEAR IN ABSTRACT JOURNAL

Professor John E. Stecklein, director of the Bureau of Institutional Research at the University of Minnesota, is among the authors of works selected for publication in the January issue of "Research in Education."

Stecklein's study, which will be abstracted, is titled "Pilot Training Program with a Postdoctoral Internship in Institutional Research." "Research in Education" is the basic abstract journal of the Educational Resources Information Center System of the U. S. Office of Education.

'MMPI GROUP PROFILES'
PUBLISHED AT 'U'

"A Handbook of MMPI Group Profiles" by Richard I. Lanyon was published Dec. 13 by the University of Minnesota Press. The volume presents a collection of group profiles based on scores obtained by administering the Minnesota Multiphasic Personality Inventory (MMPI) to subjects in various groups such as disturbed children and adults, student and occupational groups, and racial and cultural groups. The author is an associate professor of psychology at the University of Pittsburgh.

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DECEMBER 27, 1968

4 COURSES FOR WOMEN
TO BEGIN IN JANUARY

(FOR IMMEDIATE RELEASE)

For further information, contact:
LYNN MARASCO, 373-2126

Karlis Kaufmanis, University of Minnesota associate professor of astronomy well known for his introductory astronomy course and his "Star of Bethlehem" lecture, will teach a short course for women on four Friday mornings, Jan. 10-31, at MacPhail Center, 1128 LaSalle ave., Minneapolis.

Also beginning soon are quarter-long courses for women in mathematics, literature and humanities, all sponsored by the continuing education for women program, a part of the University's General Extension Division.

Dates, locations and fees for the other courses are:

Readings in Western Literature -- alternate Tuesday mornings on the St. Paul campus beginning Jan. 7; \$33.

Humanities 22 -- Thursday mornings at MacPhail Center beginning Jan. 9; \$39.

Ideas in Mathematics -- Tuesday mornings on the Minneapolis campus beginning Jan. 14; \$30.

Three credits will be given for the humanities course; the other courses, including astronomy, are non-credit.

"Through Space and Time," the astronomy course, will have a \$10 registration fee. Kaufmanis' topics will be the sun and its family; starlight; celestial traffic rules; and stars, galaxies and the expanding universe.

Dante and other medieval and Renaissance literature will be taught by English Professor William Rosendahl in the literature course and the impact of religious and philosophical thought on the American experience will be discussed in the humanities course, to be taught by Clifford Caine, extension teaching associate.

"New math" is the subject of the book for the mathematics course, which has a prerequisite of two years of high school math. Among the topics for the course are logic, sets, number systems, functions and geometry. Kay Blair, who has worked with the Minnesota School Mathematics and Science Center, will teach the course.

Complete information on all of the courses is available from Continuing Education for Women, 310 Nolte Center, University of Minnesota, Minneapolis, Minn. 55455; telephone 373-5166.

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For further information, contact:
LYNN MARASCO, 373-2126

'U' EVENING CLASSES
TO BE TAUGHT AT HOPKINS

(FOR IMMEDIATE RELEASE)

Nine popular University of Minnesota courses will be offered evenings this winter at Hopkins High School, 1001 Highway 7, beginning the week of Jan. 13.

Students can register with one of the University's evening classes registration offices by mail or at Hopkins High School the first week of classes. Complete information is available from the evening classes campus office at 57 Nicholson hall, telephone 373-3195.

Courses will be from the College of Liberal Arts (CLA) and General College.

Among the CLA courses is one in world politics to be taught by William C. Rogers, director of the University's World Affairs Center. It will carry three credits.

The other CLA courses are:

English 1 -- Freshman English (4 credits)
Composition X -- Preparatory Composition (no credit)
Industrial Relations 62 -- Human Relations in Industry (3 credits)
Sociology 3 -- Social Problems (3 credits)
Economics 1 -- Principles of Economics (3 credits)

The General College courses, each carrying three credits, are:

2C. Psychology of Human Development
9A. Mathematics: A Probability Approach
20A. Practical Law

Tuition for each course is \$39, except for Freshman English which has a \$52 enrollment fee.

The courses are offered in Hopkins through the General Extension Division's department of evening classes and the cooperation and assistance of Hopkins public schools and Honeywell, Inc.

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UNIVERSITY OF MINNESOTA
NEWS SERVICE-220 MORRILL HALL
MINNEAPOLIS, MINNESOTA 55455
DECEMBER 27, 1968

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

'U' GALLERY TO DISPLAY
ITALIAN ARCHITECTURAL DRAWINGS

(FOR IMMEDIATE RELEASE)

A collection of 55 Italian architectural drawings will be exhibited in the University of Minnesota Gallery Wednesday, Jan. 8, through Tuesday, Jan. 28.

The selection, currently touring the country under the auspices of the Smithsonian Institution, includes works by leading architects of the 16th through the 19th centuries. There are drawings by Palladio, Filippo Juvara, Giovanni Paolo Panini and members of the Galli Bibiena circle.

Churches, palaces, fountains, stage designs, altar-pieces and ceilings are included in the subject matter.

The works from the collections of the Royal Insitute of British Architects in London were selected by John Harris, Smithsonian curator.

The University Gallery, located on the third floor of Northrop auditorium, is open free to the public from 9 a.m. to 5 p.m., Monday through Friday.