

UNIVERSITY OF MINNESOTA

BOARD OF REGENTS

COMMITTEE TO STUDY THE IMPACT OF TUITION INCREASES

MINUTES

March 13, 1970

A meeting of the Committee to Study the Impact of Tuition Increases was held at 7:30 a.m., Friday, March 13, 1970, in the Vikings Room, Kahler Hotel, Rochester, Minnesota.

Present: Regent Andersen, presiding; Regents Brink, Cina, Huffington, Hughes, Malkerson, Rauenhorst, Sherburne, President Moos, and Mr. Schneidewind; Vice Presidents Cashman, Champion, Kennedy, Shepherd, Smith, and Wenberg; Messrs. Berg, Darland, Thompson, and Hogg.

Dean Thompson distributed a schedule of tuition fees for the 1970 Summer Session which he had revised in the light of discussion at the previous meeting of the committee. Additional material is filed supplement to the Minutes, page 20,739.

The committee voted to recommend that the Board approve the proposed budget for the 1970 Summer Session as presented to the Board and that it approve tuition fees for the 1970 Summer Session in accordance with the following schedule:

3 credits or more	\$ 42.00
4 credits	- 56.00
5 credits	70.00
6 credits	84.00
7 credits	98.00
8 credits	112.00
9 credits	126.00
10 credits	133.00
11 credits	140.00
12 credits	147.00

Dean Thompson reported to the committee that there was an additional item on the supplementary docket for the Board meeting that morning recommending approval of tuition fees for the 1970 Summer Session for Summer Session staff members and for the Graduate School and incidental fees for students attending the 1970 Summer Session. These recommendations had been ap-

proved by the University Committee on Fees. Regent Andersen emphasized that the goal should be absolute parity of treatment regarding fees between the regular year and Summer Session programs. Mr. Schneidewind said that the Fees Committee had recommended these actions but would want to study the matter further during the next year.

The committee adjourned.

James F. Hogg, Secretary

UNIVERSITY OF MINNESOTA
BOARD OF REGENTS
INVESTMENT COMMITTEE

MINUTES

March 13, 1970

A meeting of the Investment Committee was held at 8:00 a.m., Friday, March 13, 1970, in the Vikings Room, Kahler Hotel, Rochester, Minnesota.

Present: Regent Hartl, presiding; Regents Andersen, Brink, Cina, Huffington, Hughes, Malkerson, Rauenhorst, Sherburne, President Moos; Vice Presidents Cashman, Champion, Kennedy, Shepherd, Smith and Wenberg; Messrs. Berg, Darland, Garrison, Imholte, Lund, McInnes, Peacock, Thompson, Tierney, and Hogg.

On the recommendation of Vice President Kennedy, the committee voted to recommend that the Board adopt three resolutions, the texts of which are set out in the Minutes of the Board for March 13, 1970. Further material is filed supplement to the Minutes, page 20,740.

The committee adjourned.

James F. Hogg, Secretary

UNIVERSITY OF MINNESOTA

BOARD OF REGENTS

PHYSICAL PLANT COMMITTEE

MINUTES

March 13, 1970

A meeting of the Physical Plant Committee was held in the Vikings Room, Kahler Hotel, Rochester, Minnesota at 8:00 a.m., on Friday, March 13, 1970.

Committee members present: Regent Huffington, presiding; Regents Sherburne, Rauenhorst, Brink, and Andersen.

Other Regents present: Regents Cina, Hughes, Malkerson, Hartl, and President Moos.

The Vice President for Planning and Operations reported for the information of the committee on the status of the following projects:

The Residence Hall, Crookston
The Food Service, Morris
The Food Service, Duluth

The Vice President for Planning and Operations reported for the information of the committee that the following low bids had been awarded for the remodeling of the Cafeteria and Gopherette in Coffman Memorial Union.

General Construction

Kloster-Madsen, Inc.
2817 Lyndale Avenue South
Minneapolis, Minnesota 55408
Base Bid \$177,565

Mechanical Work (including Plumbing, Heating, and Ventilating)

Lamb Plumbing and Heating Company
1010 Currie Avenue
Minneapolis, Minnesota 55403
Base Bid 91,800

Electrical Installation

Cy Courture
Electrical Contractor, Inc.
2928 Pleasant Avenue South
Minneapolis, Minnesota 55408
Base Bid 41,471

Kitchen Equipment

Aslesen Company
 509 Washington Avenue South
 Minneapolis, Minnesota 55415
 Base Bid 129,246

Custom Restaurant Fixtures

Aaron Carlson Company
 1505 Central Avenue N.E.
 Minneapolis, Minnesota 55413
 Base Bid 29,299

Total of the Above Low Bids \$469,381

Nonbuilding Costs in connection with
 this project are estimated as follows:

Architect's fees for construction
 and special furnishings (10%) 53,461
 Supervision of construction (1½%) 6,996
 Concrete and material testing services 750
 Outside work, including walks, steps,
 and curbs; landscaping and shrubbery;
 and miscellaneous work 5,223
 Allowance for special furnishings and
 equipment, and furniture 68,160
 Miscellaneous engineering and plan and
 shop drawing checking 750
 Fire Extinguishers, towel cabinets,
 keying of the building, etc. 500

Total Nonbuilding Costs 135,840

Total of the Above Costs \$605,221

Allowance for Contingencies 13,993

Grand Total of Costs \$619,214

Source of Funds

University Services improvement reserve \$619,214

The Vice President for Planning and Operations reported for the information of the committee that the following low bids had been awarded for rehabilitation of the primary electrical distribution system on the Duluth Campus.

Kehne Electric Company, Inc.
 722 Raymond Avenue
 St. Paul, Minnesota
 Base Bid \$159,887

Nonconstruction Costs in connection with
 this project are estimated as follows:

Engineer's fee \$ 9,593
 Supervision of construction 2,398

Surveys, test holes, and field work	1,500	
Concrete and material testing services	500	
Allowance for related work to be done by the Plant Services Department and the utility company, involving sub-station alterations; revision of switchgear and provision of temporary services; and minor building alterations for new switchgear installations	11,000	
Restoration of lawns and landscaping	1,400	
Miscellaneous engineering and plant and shop drawing checking	750	
		<hr/>
Total Nonconstruction Costs		27,141
		<hr/>
Total of the Above Costs		\$187,028
Allowance for Contingencies (3%)		4,796
		<hr/>
Grand Total of Costs		\$191,824
Available for Additional Contract Work		58,176
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Total Cost of Overall Project		\$250,000
 Source of Funds		
1969 Legislative appropriation		\$250,000

The Vice President for Planning and Operations discussed the need for instituting eminent domain proceedings in connection with the acquisition of certain parcels of property on the Minneapolis Campus, West Bank.

Voted, on the recommendation of the Vice President for Planning and Operations and the President to approve the following resolution:

That pursuant to the laws of the State of Minnesota, the Regents of the University of Minnesota have duly determined that it is necessary to take, in fee simple absolute, for the purpose of the University of Minnesota, as an addition to and for the use of the Minneapolis Campus of the University of Minnesota, those certain lands situated in the County of Hennepin and State of Minnesota, which are hereinafter described, and hereby request the Attorney General to institute and prosecute, in the name of the State of Minnesota, or in the name of the Regents of the University of Minnesota, or both, proceedings in the District Court in accordance with the statutes in such case made and provided for the taking and condemnation of said lands, in fee simple absolute, under the power of eminent domain:

Block 185, Town of Minneapolis — Those parts of
Lots 3 and 4 lying north of Riverside Avenue

All according to the recorded plats thereof in the Office of the Register of Deeds, Hennepin County, Minnesota.

The Vice President for Planning and Operations reported for the information of the committee that the following property parcels had been purchased:

Mrs. Eunice Hechsel property located at 401 Ontario Street Southeast, Minneapolis, which contains approximately 3,300 square feet, for the purchase price of \$20,750, with funds to be provided from the annual land purchase budget for the Minneapolis Campus.

The Revak property located at 1929 - 2nd Street South, Minneapolis (West Bank), which contains approximately 3,141 square feet, for the purchase price of \$12,000, with funds to be provided from the 1969 legislative appropriation for the purchase of land on the West Bank.

The Vice President for Planning and Operations discussed changes that had been made in the proposed 1971 Legislative Building request for both the West Central Experiment Station and the University of Minnesota, Morris, since the detailed presentation of these programs was made to the Committee at the meeting of March 13, 1970.

Voted on the recommendation of the Vice Presidents and the President to approve the presentation of the above needs for the West Central Experiment Station to the Legislative Building Commission.

Voted further to approve the presentation of the above needs for the University of Minnesota, Morris, to the Legislative Building Commission.

The Vice President for Planning and Operations discussed a proposal to purchase over a two-year period up to 400 housing units which would be put in place and furnished from Pemtom, Inc., for student housing on the Duluth Campus.

Voted, on the recommendation of the Vice President for Planning and Operations and the President, to approve the following resolution:

Resolved, That the Physical Plant Committee approves the 'turnkey' purchase of up to 400 units of housing for the Duluth Campus from Pemtom, Inc., with the use of the Duluth housing legislative appropriation to subsidize the cost limited to 25% of the development cost of each unit.

Regents Rauenhorst and Brink voted "no."

The Vice President for Planning and Operations reported for the information of the committee that a plan for modular housing on the Morris Campus, which would be similar to the Duluth proposal, is under discussion.

The Vice President for Planning and Operations discussed a tentative proposal to construct 500 or more housing units on the Como Avenue property in Minneapolis to accommodate both students and faculty. He said that the Consolidated Athletic

Fund would be reimbursed for the cost of improving the present athletic fields. He also said that Vice President Kennedy would report to the Investment Committee as to the participation of the University in the financing.

Voted on the recommendation of the Vice President for Planning and Operations and the President to authorize the Vice President for Planning and Operations to execute an agreement with the Commonwealth Terrace Cooperative, Inc., in connection with the management of the married student housing project on the St. Paul Campus.

Voted on the recommendation of the Vice President for Planning and Operations and the President to authorize the appropriate administrative officers to indicate to the North Central Forest Experiment Station of the U.S. Forest Service that the Regents were receptive to the idea of the construction by that agency of a forest products laboratory on the Duluth Campus.

Report of the Physical Plant Committee together with supporting documentation is filed supplement to the minutes, page 20,741.

Voted to adjourn.

James F. Hogg, Secretary



UNIVERSITY OF MINNESOTA

BOARD OF REGENTS

MINUTES

March 13, 1970

A meeting of the Board of Regents was held at the Mayo Foundation House, Rochester, Minnesota, on Friday, March 13, 1970, at 10:00 a.m.

Regents present: Regent Malkerson, presiding; Regents Andersen, Brink, Cina, Gainey, Hartl, Huffington, Hughes, Rauenhorst, Sherburne, and President Moos.

Staff present: Vice Presidents Cashman, Champion, Kennedy, Shepherd, Smith and Wenberg; Miss McAvoy and Mrs. Pirsig; Messrs. Berg, Cheston, Darland, Frederick, Garrison, Howard, Imholte, Lee, Lofquist, Lund, Scribner, Tierney, Wakefield, and Hogg.

APPROVAL OF MINUTES

Voted to approve the minutes of the following meetings:

Draft of Minutes

- Investment Committee Meeting — February 13, 1970
- Physical Plant Committee Meeting — February 13, 1970
- Board of Regents Meeting — February 13, 1970
- Educational Policies Committee Meeting — February 13, 1970
- Ad Hoc Committee on Health Sciences — February 23, 1970
- Committee on the Impact of Tuition Increases — March 2, 1970

AMENDMENT OF MINUTES

February 13, 1970, Frank M Whiting Professor Speech, Communication and Theatre Arts and Director University Theatre sabbatical furlough for the winter quarter of 1970-71 to visit theatres in Southern United States and in Latin America to be cancelled (services needed by department)

PERSONNEL CHANGES

Voted to approve the following personnel changes:

Terminations

Tosiya Saito Visiting Professor School of Mathematics Research Funds effective December 16, 1969

Theodore Herstand Associate Professor Speech Communication and Theatre Arts effective July 17, 1970

Maxine M Klein Associate Professor Speech Communication and Theatre Arts effective August 21, 1970

Appointments

Andrew Avez as Visiting Professor School of Mathematics and Research Funds for the spring quarter of 1969-70 at \$6,000 Term CT (\$18,000 B rate)

Robert G McKinnell as Professor Zoology beginning September 16, 1970 at the rate of \$16,000 Term B

Glen L Griffith as Adjunct Professor Law School for the spring quarter of 1969-70 at \$2,500 Term CH50 (\$15,000 B rate)

Frederick A Siegler as Visiting Associate Professor Criminal Justice Studies for the spring quarter of 1969-70 at \$7,500 Term CT (\$22,500 B rate)

Emil W Steinhauser as Associate Professor School of Dentistry Research Funds December 1, 1969 to June 30, 1970 at the rate of \$22,000 Term AT

Donald R Dwyer as Consultant University Planning Office at \$5,250 Term CT (\$18,000 A rate) March 16 to June 30, 1970

Special Appointments

Izaak M Kolthoff Professor Emeritus School of Chemistry to serve as Professor School of Chemistry Research Funds March 1 to May 31, 1970 at \$2,056 per month (76 years of age)

Hibbert M Hill as Lecturer Civil Engineering and Hydraulics for the spring quarter of 1969-70 at \$1,000 Term CH25 (\$12,000 A rate); 69 years of age

Olaf S Larson as Instructor Division of Education Morris February 2 to April 10, 1970 at \$4.96 per hour (68 years of age)

Dennis A Johnson student as Undergraduate Research Assistant Agricultural Economics beginning February 4, 1970 at \$2.22 per hour (wife Victoria J Johnson Senior Clerk-Typist Agricultural Economics Term A)

Kenneth J Mickelsen as Student Intramural Official Intramurals for Men beginning December 31, 1969 at \$1.75 to \$2.70 per hour (brother Floyd C Mickelsen student Clerk Intramurals for Men hourly rate)

Thomas W Miller as Hospital Orderly University of Minnesota Hospitals January 12 to June 30, 1970 at the rate of \$4,800 Term AT (wife Juanita L Miller Hospital Aide University of Minnesota Hospitals Term A)

Lawrence C Johnson as Building Caretaker Plant Services February 1 to June 30, 1970 at the rate of \$5,196 Term A (brother Elmer E Johnson Building Caretaker Plant Services Term A)

Thomas D Fox student as Attendant and Public Events Attendant Intercollegiate Athletics beginning January 23, 1970 at \$1.75 per hour (sister Kathleen Fox Senior Clerk-Typist Intercollegiate Athletics Term A)

David R Tapio student as Engineering Assistant Trainee School of Physics Research Funds beginning December 29, 1969 at \$1.97 per hour (brother Daniel Tapio student as Senior Laboratory Technician Trainee School of Physics Research Funds hourly rate)

Promotions and Transfers

Richard H Anderson from Assistant Professor North Central School and Experiment Station — Grand Rapids at \$14,200 Term AP to Associate Professor and Superintendent Southern Experiment Station — Waseca at the rate of \$18,000 Term A beginning April 1, 1970

Eugene Eidenberg from Associate Professor Political Science at \$11,700 Term B to Associate Professor Political Science and Special Assistant to the Vice President, Academic Administration at the rate of \$13,875 Term B beginning March 16, 1970

Vernon E Weckwerth Professor School of Public Health at \$20,200 Term A to serve in addition as Professor Family Practice and Community Health for 20% of time without change in salary rate or term October 1, 1969 to June 30, 1970

Paul C Rosenblatt Associate Professor School of Home Economics at \$14,500 Term B to receive \$225 additional as Acting Chairman of the Division of Family Social Science February 1 to June 15, 1970

Darrell R Lewis from Associate Professor Secondary Education and Minnesota State Council on Economic Education at \$16,000 Term B to Associate Professor Secondary Education without change in salary rate or term beginning September 16, 1969

Glenn B Morey Associate Professor Minnesota Geological Survey at \$14,000 Term A to serve as Associate Professor Geology and Geophysics for 50% of time without change in salary rate or term December 16, 1969 to March 15, 1970

Robert G Harlow Clinical Associate Professor Psychology and Research Funds at \$2,500 Term CHT25 (\$30,000 B rate) March 16 to June 15, 1970 to serve in addition as Clinical Associate Professor Office of Educational Research Planning and Development at \$1,200 Term CHT6 (\$30,000 B rate) December 16, 1969 to June 15, 1970 and in Psychiatry without salary March 16 to June 15, 1970

Gerald R Allen from Principal Student Personnel Worker Trainee Student Personnel Services Duluth at \$11,400 Term A to Principal Student Personnel Worker and Instructor at the rate of \$11,856 Term A March 1 to June 30, 1970

Salary Adjustments

Emiel W Owens Visiting Professor Agricultural Economics from \$8,500 Term AHT50 (\$17,000 A rate) to the rate of \$13,260 Term AHT78 (\$17,000 A rate) January 1 to June 30, 1970

Claude R Hitchcock Professor Surgery — Hennepin County General Hospital from \$38,616 (\$31,116 Term A \$7,500 Term AT) to the rate of \$42,576 (\$31,116 Term A \$11,460 Term AT) January 1 to June 30, 1970

Richard B Raile Professor Medical Administration — Pediatrics (Hennepin County General Hospital) from \$19,000 Term A plus commutation allowance in lieu of professional fees to the rate of \$21,000 Term A plus commutation allowance in lieu of professional fees beginning January 1, 1970

Shelley N Chou Professor Neurosurgery from \$17,000 Term A to the rate of \$19,500 Term A beginning October 1, 1969

Thomas M Scott Associate Professor Political Science at \$12,850 Term B on sabbatical furlough for 1969-70 to receive \$3,213 National Science Foundation Grant February 1 to June 15, 1970

Robert G Gast Associate Professor Soils Science from \$17,000 Term A to the rate of \$17,500 Term A beginning February 1, 1970 at time of appointment

Willard C Peterson, Jr Clinical Associate Professor Dermatology from \$3,600 Term AHT25 (\$14,400 A rate) to the rate of \$2,600 Term AHT18 (\$14,400 A rate) February 1 to June 30, 1970

Milton G Ettinger Associate Professor Neurology Hennepin County General Hospital from \$36,780 Term AT to the rate of \$42,576 Term AT January 1 to June 30, 1970

Ivan J Fahs Clinical Associate Professor Ophthalmology Research Funds from \$2,344 Term CHT25 (\$22,500 A rate) February 1 to June 30, 1970 to \$2,813 Term CHT75 (\$22,500 A rate) February 1 to March 31, 1970

John J Haglin Associate Professor Hennepin County General Hospital from \$34,079 Term AT to the rate of \$38,344 Term AT January 1 to June 30, 1970

Morgan R Pascoe Senior Personnel Representative Trainee Department of Civil Service Personnel from \$11,856 Term A to the rate of \$12,336 Term A February 1 to June 30, 1970

Leaves of Absence

David P Campbell Professor of Psychology and Assistant Director Student Counseling Bureau Office of Student Affairs sabbatical furlough October 1, 1970 to May 30, 1971 to study the problems of applying American vocational interests testing techniques in other countries with time to be spent in Munich Germany and several European and Middle Eastern countries

John D Hurrell Professor English sabbatical furlough for 1970-71 to prepare a book-length manuscript on the relationship between the aesthetic form of drama and its intellectual content with time to be spent at the British Museum Library and the University of Birmingham Library in England

Grover E Maxwell Professor Philosophy and Minnesota Center for Philosophy of Science leave without salary for the fall quarter of 1970-71 to accept visiting appointment at University of Hawaii, Honolulu

George A Warp Professor School of Public Affairs leave without salary February 1 to June 15, 1970 to serve as Visiting Professor at the Federal Executive Institute, Charlottesville, Virginia

Fulton Koehler Professor School of Mathematics continuation of leave without salary for 1970-71 to complete work involving mathematical consultation in the fields of seismic exploration, seismic data processing and marine navigation

Elmer L Thomas Professor Food Science and Industries sabbatical furlough October 1, 1970 to September 30, 1971 to permit major participation in an investigation of chemical and physical changes affecting the flavor of milk processed at ultra high temperatures with time to be spent at the Central Institute for Nutrition and Food Research in the Netherlands, the Swedish Institute for Food Preservation at Goteborg and the National Institute for Research in Dairying, University of Reading in England

Herbert G Johnson Professor Plant Pathology and Agricultural Extension Division leave with salary January 19-30, 1970 on account of illness

Robert K. Anderson Professor and Associate Dean College of Veterinary

Medicine sabbatical furlough for 1970-71 to gain new information through study and evaluation of educational development projects in instructional design at several universities in the United States and possibly Latin America

Blanchard O Krogstad Professor Division of Science and Mathematics Duluth sabbatical furlough for 1970-71 to conclude research on the Population Ecology of *Cicindela trifasciatus* and to pursue an investigation on the Biology and Control of the Avacado Stone Borer, *Stenomoma caterifer*, Wlsm with time to be spent in Mexico

Stanley D Sahlstrom Professor and Director University of Minnesota Technical College Crookston leave with salary March 9-20, 1970 for annual military training

Edward B Stanford Professor and Director of University Libraries sabbatical furlough October 1, 1970 to September 30, 1971 to undertake post-doctoral research on selected university libraries in Great Britain

Walter K Johnson Associate Professor Civil Engineering and Hydraulics sabbatical furlough for 1970-71 to study water pollution control practices with time to be spent at the National Water Pollution Research Laboratories in England and the British National Water Pollution Research Laboratories at Stevenage, England

Warren B Stenberg Associate Professor School of Mathematics leave without salary for the spring quarter of 1970-71 to write a textbook in Computer Calculus, a revision of the CRICISAM text CALCULUS: a Computer Oriented Approach co-authored by applicant

Adrian Dorenfeld Associate Professor Mineral and Metallurgical Engineering leave without salary for the spring quarter of 1969-70 to do professional engineering work related to the design, construction and operation of a mine and concentrator

Paul W Stanislaw Assistant Professor South Asian Languages sabbatical furlough for 1970-71 to prepare a monograph on the sememic structure of Hindi under a research grant from the American Institute of Indian Studies with time to be spent in Delhi

CONTRACTS AND GRANTS

Voted to approve the following contracts and grants:

Office of U. S. Education

OEG-0-9-333520-3520 (097), Revision No. 3, awarding funds in the amount of \$128,432, the total grant award becoming \$136,264 and extending the termination date to November 3, 1969, Professor Charles R. Bruning, Clinical Experiences

National Science Foundation

GE-0003, Amendment No. 13, awarding funds in the amount of \$160,500 for the period October 1, 1969 through September 30, 1970, Professor John Wernitz, Science and Math Center

U. S. Public Health Service

HE-08214-07 continuation of research on Chemical and Biological Properties of Lipids, awarding funds in the amount of \$256,995 for the

period January 1, 1970, through December 31, 1970, Professor Walter Lundberg, Hormel Institute

RR-00267-05 continuation of Biomedical Data Processing Unit, awarding funds in the amount of \$100,000 for the period January 1, 1970 through December 31, 1970, Dr. Eugene Ackerman, Laboratory Medicine

Non-Governmental Agencies

Bush Foundation for research on Cardiovascular System, awarding funds in the amount of \$157,500 for the period February 5, 1970 through February 4, 1973, Dr. William Kubicek, Physical Medicine and Rehabilitation

APPLICATIONS FOR CONTRACTS AND GRANTS

Voted to approve the following applications for contracts and grants:

U.S. Public Health Service	\$683,700
Dr. Gaylord Anderson, School of Public Health	
Continuation of AH-00508-04, General Purpose Traineeship Grant, 1 year	
U.S. Public Health Service	631,400
Dr. B. J. Kennedy, Medicine	
Renewal of CA-08832, Integrated Study of Advanced Malignant Disease, 1 year	
U.S. Public Health Service	331,753.33
Dr. John A. Anderson, Pediatrics	
Continuation of PH-43-68-9, Collaborative Study on Cerebral Palsy, 1 year	
National Science Foundation	279,379
Professor T. F. Waters, Entomology, Fisheries, and Wildlife	
Continuation of Production Biology of Freshwater Stream Invertebrates, 4 years	
U.S. Public Health Service	253,826
Dr. Demetre M. Nicoloff, Surgery	
Professor P. L. Blackshear, Mechanical Engineering	
Cardiovascular Training in Biomedical and Engineering Sciences, 1 year	
U.S. Public Health Service	172,836
Dr. Sheldon C. Reed, Genetics	
Dr. Irving I. Gottesman, Psychology	
Renewal of MH-10679-06, Research Training — Biological Sciences, 1 year	
National Aeronautics and Space Administration	166,000
Professor R. G. Bond, Environmental Health	
Renewal of NGL-24-005-160, Environmental Microbiology as Related to Planetary Quarantine, 1 year	

U.S. Public Health Service	163,559
Dr. Fernando Torres, Neurology	
EEG Laboratory Automation Project, 1 year	
U.S. Public Health Service	145,486
Professor J. G. Darley, Psychology	
Continuation of HD-00098-06, Center for Research in Human Learning, 1 year	
U.S. Navy	140,000
Professor C. Waddington, Physics	
Continuation of N00014-67-A-0113-0016, Program to Measure Some of the Parameters Essential to an Evaluation of the Hazards Due to Radiations in Space, 1 year	
U.S. Public Health Service	135,073
Dr. R. J. Isaacson, Dentistry	
Continuation of DE-00143-07, Clinical Research Training, 1 year	
U.S. Public Health Service	129,541
Dr. G. J. Mannering, Pharmacology	
Supplemental award to GM-15477, Drug Metabolism and Biochemical Pharmacology, 1 year	
U.S. Public Health Service	123,543
Dr. R. J. Isaacson, Dentistry	
Continuation of DE-0005-13, Postdoctoral Research Training in Dentistry, 1 year	
Highway Research Board	100,000
Professor John Killen, St. Anthony Falls Hydraulic Laboratory	
Research on Highway Fog, 1 year	
Total Applications for Grants and Contracts	\$3,456,096.33

GIFTS

Voted to accept with thanks the following gifts:

Research

Donor Estate of Drusilla P. McGill
Amount \$11,951.05
Fund Thomas M. McGill Memorial Fund — Heart Research
Purpose This portion of the bequest is to be used for research into the causes and cure of heart diseases.

Donor Procter and Gamble Company
Amount \$5,000.00
Fund Procter and Gamble — Summer Research — Chemistry

Scholarships, Fellowships, Prizes and Awards

Donor Polly Annenberg Levee Charitable Trust
Amount \$25,000.00

Fund Purpose	Robert C. McClure and Bruno H. Greene Law Scholarship Fund To establish an endowment fund with the income to be used to provide scholarship assistance for Law School students.
Donor Amount Fund	Estate of Drusilla P. McGill \$23,857.08 Thomas M. and Drusilla Paist McGill Memorial Fund Scholarship — Horticulture
Purpose	This portion of the bequest is to be used to establish an endowment account with the income to be used for scholarships or loans to students who are majoring in horticulture.
Donor Amount Fund	St. Paul Children's Hospital Incorporated \$10,559.09 St. Paul Children's Hospital Fellowship Fund
Donor Amount Fund	Alfred P. Sloan Foundation \$9,000.00 Alfred P. Sloan Foundation Scholarship Fund
Donor Amount Fund	Evans Scholars Foundation \$10,795.00 Evans Foundation Scholarship Fund

Miscellaneous

Donor Amount Funds	3M (Minnesota Mining and Manufacturing) Company \$10,500.00 3M Fellowship — Chemistry (\$3,500) 3M Fellowship — Chemical Engineering (\$3,500) 3M Fellowship — Mechanical Engineering (\$3,500)
Donor Amount Fund	International Telephone and Telegraph Corporation \$10,000.00 Miscellaneous Gifts
Donor Amount Fund	Estate of Howard H. Freeman \$8,251.00 Miscellaneous Gifts
Donor Amount Fund	Harry V. Anderson Estate \$7,407.53 Masonic Memorial Equipment Fund

376 gifts under \$5,000 each totaling \$61,267.60 and 88 gifts to the Minnesota Alumni Fund totaling \$3,304.00 and 420 gifts to the Special Projects Fund totaling \$39,518.71.

Total gifts \$236,411.06

MAYO FOUNDATION AFFILIATION AGREEMENT

President Moos expressed the appreciation of the Board for the opportunity to visit Rochester and for the hospitality extended by members of the Mayo Foundation and their staff. This was an historic occasion. The Board had before it this morning

as a special item a recommendation that they approve educational affiliation with the Mayo Foundation in accordance with the Agreement and Statement of Principles attached to the docket item. The University had enjoyed a close association with Mayo for more than fifty years in graduate educational programs. This proposal would extend that association to the development of a Mayo undergraduate educational program and associated education in the allied health sciences. The affiliation would preserve the independence of each institution but combine the rich resources of both and reaffirm the partnership which had already existed for more than half a century. President Moos emphasized that this affiliation in no way negated subsequent affiliations at Duluth, St. Paul and elsewhere. This affiliation was first in priority because of the great resources at Rochester.

On the recommendation of the Vice President for Administration, the Vice President, Academic Administration, the Vice President for Coordinate Campuses and Educational Relationships and the President, the Board voted to approve the educational affiliation with the Mayo Foundation in accordance with the Agreement and Statement of Principles, a copy of which is filed supplement to the minutes, page 20,742. The copy of the proposed docket item with the Agreement and Statement of Principles attached was then signed by Dr. Emmerson Ward on behalf of the Mayo Foundation and by President Moos and the Regents present. Dr. Ward, speaking at President Moos' invitation, expressed the satisfaction of the Mayo Foundation at the accomplishment of this affiliation. On behalf of the Regents, Regent Gainey spoke of the dedication of the Mayo family and of the great contributions which they had made. A brief recess then followed.

COMMITTEE ON UNIVERSITY HONORS

At the request of the All-University Committee on University Honors and on the recommendation of the President, the Board voted to approve five Outstanding Achievement Awards in accordance with material filed supplement to the minutes, page 20,743.

INSTITUTE OF TECHNOLOGY

At the request of the Dean of the Institute of Technology, the Vice President, Academic Administration, and the President recommended that the Board approve the following reorganization within the Institute of Technology:

1. Abolition of the School of Mineral and Metallurgical Engineering as a discrete administrative unit.
2. Reassignment of the faculty of the School as follows:
 - a. Faculty involved in the instructional and graduate research programs in metallurgy-materials science assigned to the Department of Chemical Engineering to be renamed the Department of Chemical Engineering and Materials Science;
 - b. Faculty of the School involved in the instructional and graduate research programs in geological engineering and mineral resources engineering assigned to the Department of Civil Engineering and Hydraulics;
 - c. Faculty involved in the research and graduate research programs in mineral extraction and ore beneficiation be associated with the Mines Experiment Station.
3. Broadening the research and graduate instructional mission of the Mines Experiment Station to cover the entire area of mineral resources engineering and changing the name of the station to the Mineral Resources Research Center whose director would report directly to the Dean of the Institute of Technology.
4. Attaching the Ore Estimate Division of the School directly to the office of the dean and redesignating it as the Office of Ore Estimation.

Vice President Shepherd reported that this proposal had been discussed by the Educational Policies Committee at its last meeting. At his request, Dean Cheston reviewed the basis for this recommendation and referred to his two letters to Vice President Shepherd, copy of which had been distributed to the Regents and is filed supplement to the minutes, page 20,744. Dean Cheston said that Mining Engineering had become increasingly unpopular as an undergraduate specialty. The Colorado School was the only one with a viable undergraduate program in mining at this point. The trend was to stress a broader curriculum at the undergraduate level. Mining engineering had become a post-baccalaureate specialization. The number of students in this program no longer justified the staff allocation. At Dr. Shepherd's request, Dean Cheston reviewed the efforts which had been made to attract students to this program. Regent Hughes inquired whether there had been adequate consultation on this change with industry in the state. Dean Cheston described the conversations which members of his staff had had with representatives of the mining industry. Regent Cina inquired whether there was still scholarship assistance available for students interested in mining engineering and whether information about such scholarships had been made widely available to schools and counselors on the iron range. Dean Cheston said such funds

were available and that extended efforts had been made to make such information available to the schools. Scholarships would continue to be available after the proposed reorganization. Regent Cina then questioned whether attaching the Ore Estimate Division to the Dean's office, as proposed, would make this a University responsibility. Vice President Wenberg said that it was hoped the problems of that division could be resolved in the 1971 legislative session. The proposed reorganization of that division was just an administrative adjustment. The University had raised the issue of transference of the division to the State Department of Taxation and the need for financial support of the division so that it might make an independent evaluation of ore in the ground. Regent Rauenhorst questioned whether the mining engineering program was weakened because of lack of administrative support.

Regent Cina inquired whether it was necessary that this reorganization be approved at the March meeting. Following reassurance by Dean Cheston that this was not the case, the Board voted to hold this item over for further consideration at the April meeting.

PERSONNEL ACTIONS

On the recommendation of the Vice President for Academic Administration and the President the Board voted to approve the following promotions and transfers:

Richard H. Anderson from Assistant Professor, North Central School and Experiment Station, Grand Rapids, to Associate Professor and Superintendent, Southern Experiment Station, Waseca, at \$18,000, Term A, effective April 1, 1970.

Eugene Eidenberg from Associate Professor, College of Liberal Arts, to Associate Professor and Special Assistant to the Vice President for Academic Administration, at \$13,875, Term B, effective March 16, 1970.

On the recommendation of the Vice President, Academic Administration, and the President, the Board voted to approve the appointment of Glen Larry Griffith as Adjunct Professor of Law at \$15,000 Term CH, effective March 16, 1970.

LIVESTOCK AND POULTRY REGULATIONS

The Vice President for Planning and Operations noted that the Property Accounting Department in his office had for many years required record keeping on livestock and poultry by all appropriate departments and reporting of livestock activity. Ap-

appropriate rules and regulations had in the past been submitted to and approved by the Board. The last such action had been taken on September 15, 1967.

On the recommendation of the Vice President for Planning and Operations and the President, the Board voted to delegate the responsibility for issuing and revising these rules and regulations to the Vice President for Planning and Operations. A copy of the rules and regulations is filed supplement to the minutes, page 20,745.

COMMITTEE REPORTS

Regent Malkerson reported for the Executive Committee that he had examined the documents and signed the report of the Vice President for Planning and Operations including transfers of funds, journal vouchers, requisitions, recommendations of the Civil Service Committee, and personnel actions for nontenured academic staff and civil service staff with starting salary of less than \$11,856 in the following categories: terminations, appointments, special appointments, promotions and transfers, salary adjustments and leaves of absence. The Board voted to approve the report of the Vice President, filed supplement to the minutes, page 20,746.

Regent Huffington reported on a meeting of the Physical Plant Committee. With the exception of the recommendation of approval for the purchase of up to 400 units of housing for the Duluth Campus, the Board voted unanimously to approve the recommendations of and actions taken by that committee as reported and set out in the minutes of that meeting.

At its meeting, the Physical Plant Committee adopted the following resolution:

Resolved, That the Physical Plant Committee approves the "turnkey" purchase of up to 400 units of housing for the Duluth Campus from Pentom, Inc., with the use of the Duluth housing legislative appropriation to subsidize the cost limited to 25% of the development cost of each unit.

In response to a question, the Vice President for Planning and Operations assured Regent Andersen that the proportion of the legislative appropriation used would be that of the number of units built to the number specified in the legislative appropriation.

At the request of members of the Board, a separate vote was taken on this resolution. The Board voted to approve the resolution adopted by the Physical Plant Committee. Regents Brink and Rauenhorst voted against this resolution.

Regent Hartl reported on a meeting of the Investment Committee. He said that the report of transactions for the preceding month had been distributed to the Committee and approved. The Board voted to approve his report.

On the recommendation of the Investment Committee, the Board voted to adopt the following resolutions:

A. *Resolved*, That the Board approve the recommendation of the Investment Committee to appoint the Northwestern National Bank of Minneapolis as investment manager of a designated portion of the securities portfolio known as the Separately Invested Funds with freedom in the purchase or sale of any securities appropriate as investments for the University of Minnesota subject to the restrictions established by the Vice President for Investments. To implement this appointment and provide authority to act for the Regents in matters relating to the management of the portions of the portfolio assigned to them, on the recommendation of the Vice President for Investments, the President and the Investment Committee, the Board of Regents designates the Northwestern National Bank of Minneapolis as an investment manager for the Regents of the University of Minnesota effective April 30, 1970, and that the Northwestern National Bank of Minneapolis be and hereby is authorized and empowered to sell, assign, transfer and deliver to any person or persons, corporation or corporations, any and all stocks, bonds and other evidences of indebtedness running to the corporation or purchased or negotiated by it and to execute, acknowledge, and deliver proper transfers, assignments and letters of transmittal and to execute, acknowledge and deliver all powers of attorney or any other legal instruments for the splitting and issue of new certificates in exchange, transferring and disposing of or releasing any stocks, bonds, or other evidences of indebtedness held by this corporation or for any other purpose with relationship thereto in the ordinary course of business.

B. *Resolved*, That the Board approve the recommendation of the Investment Committee to appoint the First Trust Company of St. Paul as investment manager of a designated portion of the securities portfolio known as the Separately Invested Funds with freedom in the purchase or sale of any securities appropriate as investments for the University of Minnesota subject to the restrictions established by the Vice President for Investments. To implement this appointment and provide authority to act for the Regents in matters relating to the management of the portions of the portfolio assigned to them, on the recommendation of the Vice President for Investments, the President and the Investment Committee, the Board of Regents designates the First Trust Company of St. Paul as an investment manager for the Regents of the University of Minnesota effective April 30, 1970, and that the First Trust Company of St. Paul be and hereby is authorized and empowered to sell, assign, transfer and deliver to any person or persons, corporation or corporations, any and all stocks, bonds and other evidences of indebtedness running to the corporation or purchased or negotiated by it and to execute, acknowledge and deliver proper transfers, assignments and letters of transmittal and to execute, acknowledge and deliver all powers of attorney or any other legal instruments for the splitting and issue of new certificates in exchange, transferring and disposing of or releasing any stocks, bonds, or other evidences of indebtedness held by this corpora-

tion or for any other purpose with relationship thereto in the ordinary course of business.

C. Whereas the Board of Regents of the University of Minnesota by resolution adopted January 9, 1970, has designated Thorndike, Doran, Paine and Lewis, Inc., Boston, as Investment Managers of certain securities, and it is desired that suitable procedures for depositing, safekeeping, liquidating, interest and dividend collection and accounting for such securities be established in accounts of the Regents of the University of Minnesota which are subject to the instructions of its duly authorized officers or subject to the instructions of said Investment Managers: Now, therefore, be it

Resolved, That any or all of the securities from time to time belonging to the Regents of the University of Minnesota may be deposited with Northwestern National Bank of Minneapolis in Agency Accounts with the understanding that such securities will be held pursuant to Agency Agreements in the form attached hereto as Exhibit A and Exhibit B and that the Vice President, Investments, and the Bursar of the University of Minnesota be authorized to make any and all agreements on behalf of the University in connection therewith, and that their action in entering into such agreements is hereby confirmed; and be it further

Resolved, That said Northwestern National Bank of Minneapolis is hereby authorized and directed to act upon instructions in respect to the purchase, sale, exchange, delivery or other disposition of any of the securities deposited or the remittance of moneys representing principal or income on the securities deposited provided said instructions are issued by the Investment Advisors in accordance with said Agency Agreements, or, if issued by the University, are in writing and are signed by the Vice President, Investments, Assistant Vice President, Business Administration, Controller, or Chief Accountant and the Bursar or Assistant Bursar of the University.

In the absence of the Chairman, Regent Sherburne reported on a meeting of the Educational Policies Committee. On the recommendation of that committee, the Board voted to approve the following resolution:

Resolved, That the Vice President, Academic Administration, be authorized to instruct deans of the colleges that department chairmen are authorized to release information on proposed faculty salary increases and promotions at the time that such recommendations come forth to central administration and the Regents. It is understood that actual salary increases and promotions are subject to final approval by the Board of Regents.

Regent Andersen reported on two meetings of the Committee on the Impact of Tuition Increases. The proposed budget and tuition fees for the 1970 Summer Session had been referred to the committee by the board at its last meeting. The committee had held two meetings and had provided an opportunity for students to be heard. The committee was of opinion that tuition fees for Summer Session should, as a matter of principle, be the same as those charged for similar credits during the regular

academic year. It would not be possible to reach this objective for the 1970 Summer Session. The University would be making representations to the Legislature on the funding of summer sessions in the future and would be studying the financing of evening classes.

On the recommendation of the committee, the Board approved the following resolutions:

Resolved, That the Board of Regents approves the proposed *Budget for the 1970 Summer Session* as presented to the Board and approves tuition fees for the 1970 Summer Session in accordance with the following schedule:

3 credits or more	\$ 42.00
4 credits	56.00
5 credits	70.00
6 credits	84.00
7 credits	98.00
8 credits	112.00
9 credits	126.00
10 credits	133.00
11 credits	140.00
12 credits	147.00

Resolved, That any balance remaining out of the \$500,000 borrowing authorized by the Regents on July 11, 1969, be available on the usual terms for providing financial assistance to students attending the 1970 Summer Session.

Regent Hughes reported on a meeting of the Health Sciences Committee which had considered the plan proposed by the Department of Family Practice for development of a patient population. This item had been referred to the committee by the Board at its last meeting.

On the recommendation of the committee, the Board voted to approve the following resolution:

Resolved, That the Department of Family Practice and Community Health is authorized to proceed with the plan for the development of a patient population as presented to the Regents subject to the following two provisions: first, that a cost monitoring operation be installed by the University Hospitals under the supervision of the Vice President for Planning and Operations, he to be able to take steps necessary to assure that the closed panel risk exposure of the University be held to a minimum, and that in no case shall the subsidy be allowed to run beyond \$50,000; second, that the Board of Regents delegate approval of the final contract between the Department and the insuring group or groups to the Vice President for Planning and Operations.

HEALTH SCIENCES

President Moos distributed to the Regents copy of the Report of the External Committee on Governance of University Health Sciences, dated February 26, 1970. Copy is filed supplement to the minutes, page 20,747. Vice President Shepherd said that this report was a matter for University Senate consideration. He would propose that the Health Sciences faculty and the Senate Committee on Educational Policy study the report simultaneously. He hoped that it would be possible to bring a proposal back to the Board at the June or possibly the July meeting.

JOHN A. HARTFORD FOUNDATION, INC.

At the January meeting the Board of Regents voted to accept a grant from the John A. Hartford Foundation, Inc., for a study of physiologic and pathologic influences on blood flow in the limb with special reference to arteriovenous anastomoses. By mistake the amount of the grant was specified as \$64,384 instead of \$134,426. On the recommendation of the Vice President for Planning and Operations and the President the Board voted to amend its resolution of January 9 by changing the figure for the amount of the grant from \$64,384 to \$134,426 and in all other respects confirming that resolution.

NONCAMPUS SERVICE REQUESTS

At the request of the individual staff member and the department head and on the recommendation of the Vice President for Academic Administration and the President the Board voted to approve the requests for noncampus service received during the month of February, 1970. Documentation filed supplement to the minutes, page 20,748.

MASONIC PROFESSORSHIP IN CANCER

On the recommendation of the Vice President, Academic Administration, and the President, the Board voted to accept with thanks the gift of the Masonic Memorial Hospital Fund, Inc., of \$25,000 per year for a period of five years toward the establishment and support of a "Masonic Professorship in Cancer" at Masonic Memorial Hospital at the University of Minnesota in accordance with the terms set out in a letter of December 11, 1969. On the recommendation of the Vice President, Academic Administration, and the President, the Board voted further to approve the appointment of Byrl J. Kennedy, now Professor in the

Department of Internal Medicine, College of Medical Sciences, as the holder of the Masonic Professorship in Cancer at \$26,500, Term A, effective January 1, 1970.

UNIVERSITY COMMITTEE ON FEES

At the request of the University Committee on Fees and on the recommendation of the Vice President for Student Affairs, the Vice President, Academic Administration, the President and the Committee on the Impact of Tuition Increases, the Board voted to approve tuition fees for the 1970 Summer Session for Summer Session staff members and for the Graduate School, and incidental fees for students attending the 1970 Summer Session in accordance with the requests of the University Fees Committee. The Board further voted to terminate the special fee for registering for the Maison Francaise and the Deutsches Haus. The requests of the University Fees Committee are filed supplement to the minutes, page 20,749.

Voted to adjourn.

James F. Hogg, Secretary