

UNIVERSITY OF MINNESOTA
BOARD OF REGENTS
MINUTES

December 14, 1963

A meeting of the Board of Regents was held in the Regents' Room, Morrill Hall, on Saturday, December 14, 1963, at 9:30 a.m.

Present: Regent Howard, presiding; Regents Grottum, Hess, Johnson, Malkerson, Montague, Silha and Skyberg; and President Wilson.

Absent: Regents Gainey, Hughes, Mayo and Olson.

APPROVAL OF MINUTES

Voted to approve the minutes of the following meetings:

Draft of the Minutes for the meeting of November 22, 1963

PERSONNEL CHANGES

Voted to approve the following personnel changes:

Retirements

Samuel Eddy as Professor Emeritus Zoology effective January 1, 1964

Terminations

Howard R Davis Clinical Associate Professor Psychiatry and Neurology without salary effective December 1, 1963

R Wallace Gifford, Jr Assistant Professor Medicine Mayo Foundation without salary effective January 4, 1961

James S Hunter, Jr Assistant Professor Obstetrics and Gynecology Mayo Foundation without salary effective January 4, 1961

Denzel S Smith Instructor English effective December 15, 1963

Albert G Mercer Instructor Civil Engineering effective December 15, 1963

Harold R Leland Clinical Instructor Obstetrics and Gynecology without salary effective October 20, 1963 (deceased)

Lydia L Wetzel Instructor Laboratory Medicine without salary effective June 30, 1960

Byron D Petersen Clinical Instructor Anesthesiology without salary effective June 30, 1963

Perry N Ragouzis Instructor Art Education effective June 15, 1963

Chris A Pascuzzi Instructor Pathology Mayo Foundation without salary effective July 1, 1961

Frank P Amedeo Instructor Division of Education and Psychology Duluth effective August 24, 1963

Marilyn B Melby Clearwater County Assistant County Home Agent Agricultural Extension Service effective January 4, 1964

Leverett T Smith, Jr Teaching Assistant Interdisciplinary Programs effective October 25, 1963

Allan M Salzberg Teaching Assistant School of Chemistry effective November 15, 1963

Johng Ki Lim Teaching Assistant Agronomy and Plant Genetics and Research Assistant Agronomy and Plant Genetics Research Funds effective October 15, 1963

Daryl A Freter Research Assistant Plant Pathology and Physiology Research Funds effective October 22, 1963

Lee R Raymond Research Assistant Chemical Engineering Research Funds effective October 31, 1963

A Ervin Howell Medical Fellow Specialist Surgery effective October 31, 1963

Patricia D Edem Senior Clerk Business Office effective December 18, 1963

Susan E Leventhal Clerk Business Office effective October 31, 1963

Patsy M Strese Clerk Business Office effective October 31, 1963

Karen Fletcher Clerk-Typist Student Services Morris effective September 20, 1963

Frances O Zimmerman News Representative Department of University Relations effective October 31, 1963

Carol D Cihlar Principal Secretary Administration College of Liberal Arts effective December 13, 1963

Kathleen N Warner Clerk-Typist Office of the Associate Dean Institute of Technology effective October 31, 1963

Elizabeth I Dahlen Secretary School of Forestry effective October 31, 1963

Marjorie B Gleason Secretary Division of Humanities Duluth effective October 16, 1963

The following in the University of Minnesota Hospitals

		Effective Date
Sandra S Ahlbrecht	Hospital Aide	October 26, 1963
Maureen Anderson	General Staff Nurse	December 13, 1963
Joan C Behrens	Hospital Aide	November 4, 1963
Marjorie D Bohara	Hospital Aide	November 13, 1963
Mary M Bryce	General Staff Nurse	November 14, 1963
Marilyn Evans	Senior Clerk-Typist	November 26, 1963
Janet K Jensen	Practical Nurse	November 8, 1963
Juliana E Johnson	Practical Nurse	November 11, 1963
Mayren S Kern	General Staff Nurse	November 6, 1963
Susan M Lange	General Staff Nurse	November 15, 1963
Dianne L Nelson	Electroencephalography Technician	November 8, 1963
Manda C Ostby*	Custodial Worker	October 10, 1963
Beatrice Schuller	Medical Records Typist	October 4, 1963
Mary Kay Shima	General Staff Nurse	November 14, 1963
Mary J Steeves	General Staff Nurse	November 8, 1963
Carolyn V Theisen	X-ray Technician	November 26, 1963
Dolores Vennerstrom	Hospital Aide	October 7, 1963

* Deceased

Shirley T Freeborg Senior Clerk-Typist Correspondence Study Instruction effective November 15, 1963

Janice N Moe Clerk-Typist Library St Paul effective November 15, 1963

Rosaire C Montcalm Farm Laborer Northwest Experiment Station effective October 17, 1963

Geraldine S Albitz Clerk-Typist University Health Service effective October 28, 1963

Karen D Kubitschek Clerk-Typist University Health Service effective October 9, 1963

Joan R Wikstrom Photographer Medical Arts and Photography effective November 21, 1963

Marion E Bausor Secretary School of Physics Research Funds effective October 28, 1963

Donald G Seal Junior Engineer School of Physics Research Funds effective October 1, 1963

Dorothy J Dehart Laboratory Technologist Pediatrics Research Funds effective August 21, 1963

Beverly Segerstrom Senior Clerk-Typist School of Public Health Research Funds effective November 26, 1963

Alice L Beiersdorf Senior Secretary Surgery Research Funds effective October 31, 1963

Melvin H Stevens recipient of a National Science Foundation College Teacher of Biology Scholarship effective September 16, 1963

John H W Wilde recipient of a National Science Foundation College Teacher of Biology Scholarship effective September 16, 1963

Roy O Nelsen recipient of a United States Public Health Service Clinical Psychology Training Grant effective October 31, 1963

Appointments

Clifford G Hildreth as Visiting Professor Economics and Agricultural Economics and Research Funds for the fall quarter of 1963-64 at \$6,667 Term CT (\$20,000 B rate)

Samuel B Salvin as Visiting Professor Pediatrics and Microbiology Research Funds at \$1,000 September 1 to December 31, 1963 for 20% time with salary (\$20,000 A rate) and 80% time with salary paid directly by the United States Public Health Service

Pentti M Rautaharju as Assistant Professor Laboratory of Physiological Hygiene School of Public Health May 1 to June 30, 1964 at the rate of \$11,500 Term ATX

Daniel E Waite as Assistant Professor Dental Surgery Mayo Foundation without salary October 1, 1963 to June 30, 1964

Robert S Redman continuation of appointment as Clinical Assistant Professor School of Dentistry Research Funds December 1, 1963 to June 30, 1964 at \$350 Term CHT8 (\$7,536 A rate)

Narayan G Patel continuation of appointment as Research Associate Entomology Fisheries and Wildlife Research Funds December 1-31, 1963 at \$667 Term CT (\$8,000 A rate)

Y Chiung Puh Lee continuation of appointment as Research Associate Physiology Research Funds December 1, 1963 to June 30, 1964 at \$5,163 Term CTX (\$8,850 A rate)

Susan S Goldman as Lecturer School of Social Work December 16, 1963 to June 15, 1964 at the rate of \$3,900 Term BH40 (\$9,750 B rate)

Walter Richey as Instructor Law School November 1, 1963 to February 28, 1964 at \$500 Term CH13 (\$12,000 A rate)

The following as Instructors Mayo Foundation without salary October 1, 1963 to June 30, 1964

Stafford W Gedge	Medicine
William J Johnson	Medicine
Jack L Pulec	Otolaryngology and Rhinology
Leslie J Schoenfield	Medicine

Grace-Nazen Chobanian as Instructor and Librarian Library November 18, 1963 to June 30, 1964 at the rate of \$6,250 Term A

Gordon W Gullion continuation of appointment as Research Fellow Entomology Fisheries and Wildlife Research Funds December 1, 1963 to June 30, 1964 at \$4,396 Term CT (\$7,536 A rate)

Louisa B Thompson as Research Fellow Speech and Theatre Arts Communication Sciences Laboratory October 1, 1963 to June 15, 1964 at the rate of \$2,635 Term BHT57 (\$4,662 B rate)

Johan W Greidanus as Research Fellow School of Chemistry Research Funds November 25, 1963 to June 30, 1964 at \$3,770 Term CT (\$6,240 A rate)

Kanjirampara Sivasankaran as Research Fellow School of Chemistry Research Funds November 1, 1963 to June 30, 1964 at the rate of \$6,000 Term AHT97 (\$6,216 A rate)

Takashi Maeno as Research Fellow Physiology Research Funds November 1, 1963 to June 30, 1964 at \$4,400 Term CTX (\$6,600 A rate)

Sukanta K Dutta continuation of appointment as Research Fellow Veterinary Bacteriology and Public Health Research Funds November 1 to December 31, 1963 at \$1,036 Term CT (\$6,216 A rate)

Harriet Campbell continuation of appointment as Research Fellow University Health Service Research Funds December 1, 1963 to June 30, 1964 at \$3,771 Term CT (\$6,465 A rate)

Mervin L Freeman as Assistant Agricultural Extension Specialist Farm Management Agricultural Extension Service October 24, 1963 to June 30, 1964 at the rate of \$2,904 Term AHT50 (\$5,808 A rate)

John S Halvorson as Winona County Assistant County Agricultural Agent Instructor Agricultural Extension Service November 4, 1963 to June 30, 1964 at the rate of \$6,000 (\$4,900 University \$1,100 County) Term AH82

Dean L Sather as McLeod County Assistant County Agricultural Agent Instructor Agricultural Extension Service November 18, 1963 to June 30, 1964 at the rate of \$5,600 (\$5,000 University \$600 county) Term AH89

Robert L Delorme continuation of appointment as Teaching Assistant Political Science for the winter quarter of 1963-64 at \$363 Term CHX25

Michael C Stratford continuation of appointment as Teaching Assistant Political Science for the winter quarter of 1963-64 at \$363 Term CHX25

Rosalyn M Carroll as Teaching Assistant Romance Languages for 1963-64 at \$2,178 Term BHX50

Roger E Frech as Teaching Assistant School of Chemistry November 16, 1963 to June 15, 1964 at the rate of \$2,178 Term BH50

Nabil F Bissada as Teaching Assistant School of Dentistry November 1, 1963 to June 15, 1964 at the rate of \$1,089 Term BH25

Arnold L Luukkonen as Teaching Assistant Division of Social Sciences Duluth November 1, 1963 to June 15, 1964 at \$908 Term CHX25

Hoo S Chung continuation of appointment as Research Assistant Plant Pathology and Physiology Research Funds January 1 to June 30, 1964 at \$1,452 Term CHT50

Arthur N Ley as Research Assistant Biochemistry Institute of Agriculture Research Funds January 1 to June 30, 1964 at the rate of \$2,904 Term AHT50

Minoru Saito continuation of appointment as Research Assistant Biochemistry Institute of Agriculture Research Funds January 1 to June 30, 1964 at \$1,452 Term CHT50

Dah-Yu Cheng continuation of appointment as Research Assistant Mechanical Engineering Research Funds November 1, 1963 to June 15, 1964 at \$2,723 Term CHT75

Hai Wu continuation of appointment as Research Assistant Mechanical Engineering Research Funds November 1, 1963 to June 15, 1964 at \$1,815 Term CHT50

Robert E Coffman as Research Assistant School of Chemistry Research Funds for 1963-64 at \$2,178 Term BHT50

David G Anderson continuation of appointment as Research Assistant Biochemistry Institute of Agriculture Research Funds January 1 to June 30, 1964 at \$1,452 Term CHT50

Li-pen Chao continuation of appointment as Research Assistant Biochemistry Institute of Agriculture Research Funds December 1, 1963 to June 30, 1964 at \$1,694 Term CHT50

Norman R Gould continuation of appointment as Research Assistant Biochemistry Institute of Agriculture Research Funds December 1, 1963 to June 30, 1964 at \$1,694 Term CHT50

James Travis continuation of appointment as Research Assistant Biochemistry Institute of Agriculture Research Funds December 1, 1963 to June 30, 1964 at \$1,694 Term CHT50

Trilochan S Hora continuation of appointment as Research Assistant Microbiology Research Funds January 1 to June 30, 1964 at \$1,452 Term CHT50

John S Mitchell as Research Assistant Pediatrics Research Funds November 1, 1963 to June 30, 1964 at \$2,904 Term CHT75

S K Maheswaran continuation of appointment as Research Assistant Veterinary Bacteriology and Public Health Research Funds December 1, 1963 to June 30, 1964 at \$1,694 Term CHT50

Murli Manohar continuation of appointment as Research Assistant Veterinary Bacteriology and Public Health Research Funds December 1, 1963 to June 30, 1964 at \$1,694 Term CHT50

Georgianne D Warren as Research Assistant Special Education Research Funds November 1, 1963 to June 30, 1964 at the rate of \$2,904 Term AHT50

Robert M Madigan as Research Assistant Industrial Relations Center Research Funds November 12, 1963 to June 15, 1964 at the rate of \$2,178 Term BHT50

Cynthia R Margolin as Research Assistant Institute of Child Development Research Funds for the winter and spring quarters of 1963-64 at \$290 Term CHT10

Marian L Fuller as Clerk Business Office November 1, 1963 to June 30, 1964 at the rate of \$2,772 Term A

Arlene S Nelson as Senior Account Clerk Business Office November 4, 1963 to June 30, 1964 at the rate of \$4,272 Term A

Sharon H Skildum as Clerk Business Office October 7-31, 1963 at the rate of \$2,772 Term A (terminated)

Ruth B Wiese as Clerk Business Office October 29, 1963 to June 30, 1964 at the rate of \$2,772 Term A

Sara-Anne Cunningham as Assistant Editor Office of Civil Service Personnel October 28, 1963 to June 30, 1964 at the rate of \$4,725 Term AH88 (\$5,400 A rate)

Betty Lou Frolik as Senior Secretary Office of the Vice President for Educational Relationships and Development November 4, 1963 to June 30, 1964 at the rate of \$3,948 Term A

Marcella W Beerhalter as Clerk-Typist Student Personnel Services Duluth October 21, 1963 to June 30, 1964 at the rate of \$2,880 Term A

Jean B Ford as Clerk-Typist Department of University Relations September 30, 1963 to June 30, 1964 at the rate of \$2,880 Term A

James K Merritt as Production Glass Technician Trainee Glassblowing Shop November 1, 1963 to June 30, 1964 at the rate of \$3,948 Term A

John A Giebel as Delivery Service Driver Campus Mail September 25, 1963 to June 30, 1964 at the rate of \$4,440 Term A

Jeanne J Stoner as Secretary Department of Police October 30, 1963 to June 30, 1964 at the rate of \$3,648 Term A

Howard C Berge as Gardener Botany November 1, 1963 to June 30, 1964 at the rate of \$4,104 Term A

Marie A Puskas as Clerk-Typist Geography October 7, 1963 to June 30, 1964 at the rate of \$2,880 Term AX

Judith A Nordland as Secretary School of Mathematics Institute of Technology October 1, 1963 to June 30, 1964 at the rate of \$3,648 Term A

Jacqueline Y Kopp as Senior Clerk-Typist School of Chemistry October 24, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Paul R Johnson as Senior Laboratory Attendant Biochemistry Institute of Agriculture October 22, 1963 to June 30, 1964 at the rate of \$3,948 Term A

Isabel B Erlandson as Secretary School of Forestry November 1, 1963 to June 30, 1964 at the rate of \$3,648 Term A

Judith L Engel as Junior Scientist Obstetrics and Gynecology Research Funds November 1, 1963 to June 30, 1964 at \$3,744 Term C (\$5,616 A rate)

Carolyn G Wolf as Senior Clerk-Typist Summer Session October 16, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Ruth B LeMay as Senior Clerk-Typist School of Business Administration November 1, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Lillian L Hoagland as Secretary Division of Humanities Duluth October 10, 1963 to June 30, 1964 at the rate of \$3,648 Term A

The following in the University of Minnesota Hospitals October 7, 1963 to June 30, 1964

		Annual Salary	Term
Donna Jo Buhi	General Staff Nurse	\$4,800	A
Marie Domigan	General Staff Nurse	4,800	A
Phyllis K Dzubay	Practical Nurse	3,504	A
Judy K Hansen	General Staff Nurse	4,800	A
Mary Jane Lockrem	General Staff Nurse	4,800	A
Jane E Loesch	General Staff Nurse	4,800	A
Linda B Monson	Practical Nurse	3,504	A
Frances M Owens	Practical Nurse	3,504	A
Catherine M Raithby	General Staff Nurse	4,800	AX
Elfrieda A Rempel	General Staff Nurse	4,800	A
Sonita L Thompson	General Staff Nurse	4,800	A
Linda L Wayland	General Staff Nurse	4,800	A

The following in the University of Minnesota Hospitals October 28, 1963 to June 30, 1964

		Annual Salary	Term
Delila, M Baez	Senior Clinic Nurse	\$5,400	AT
Wanda M Moran	Hospital Aide	3,120	A
Corrine E Parker	Hospital Aide	3,120	A
Charlotte K Raye	Hospital Aide	3,120	A
Robert E Sonmor	Hospital Orderly	3,372	A

Beverly B Bang as Physical Therapist University of Minnesota Hospitals October 16, 1963 to June 30, 1964 at the rate of \$5,196 Term A

Sandra L Henry as Practical Nurse University of Minnesota Hospitals September 30, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Carol J Jola as Practical Nurse University of Minnesota Hospitals October 21, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Marlys B Keefe as Student Technologist Supervisor University of Minnesota Hospitals November 4, 1963 to June 30, 1964 at the rate of \$5,616 Term A

Ksenia Tophen as Custodial Worker University of Minnesota Hospitals November 4, 1963 to June 30, 1964 at the rate of \$2,880 Term A

Judith A McChesney as Operating Room Technician University of Minnesota Hospitals November 1, 1963 to June 30, 1964 at the rate of \$3,648 Term A

Exceen P McGowan as Practical Nurse University of Minnesota Hospitals November 1, 1963 to June 30, 1964 at the rate of \$3,648 Term AT

Larry H Metag as Hospital Orderly University of Minnesota Hospitals October 1, 1963 to June 30, 1964 at the rate of \$3,372 Term A

Anne M Quinn as General Staff Nurse University of Minnesota Hospitals October 16, 1963 to June 30, 1964 at the rate of \$4,800 Term A

Joanna R Reader as Medical Records Typist University of Minnesota Hospitals October 1, 1963 to June 30, 1964 at the rate of \$3,792 Term A

Leatrice A Russell as Nursing Station Assistant University of Minnesota Hospitals November 16, 1963 to June 30, 1964 at the rate of \$3,240 Term A

Margaret W Sorrell as Clerk-Typist University of Minnesota Hospitals October 24, 1963 to June 30, 1964 at the rate of \$2,880 Term A

Florence A Stroebel as General Staff Nurse University of Minnesota Hospitals October 21, 1963 to June 30, 1964 at the rate of \$4,992 Term A

Patricia A Welch as General Staff Nurse University of Minnesota Hospitals October 21, 1963 to June 30, 1964 at the rate of \$4,800 Term A

Marsha A Skala as Senior Clerk-Typist Correspondence Study Instruction October 28, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Ervin A Brecke as Senior Engineer School of Mineral and Metallurgical Engineering Ore Estimate Division October 16, 1963 to June 30, 1964 at the rate of \$8,328 Term A

Joy F Peterson as Senior Clerk-Typist Department of Concerts and Lectures October 1 to November 8, 1963 at the rate of \$3,504 Term A (terminated)

Diane D Holmes as Senior Clerk Agricultural Extension Service October 14, 1963 to June 30, 1964 at the rate of \$3,372 Term A

Pearl M Kunz as Senior Clerk-Typist Library November 4, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Edward G Martin as Laboratory Technician Animal Husbandry Research Funds October 1, 1963 to June 30, 1964 at the rate of \$3,240 Term AT

Sebastiano Cunti as Laboratory Technologist Biochemistry Institute of Agriculture Research Funds September 26, 1963 to December 31, 1963 at \$1,358 Term CT (\$5,196 A rate)

Barbara E Beck continuation of appointment as Senior Laboratory Technician Entomology Fisheries and Wildlife Research Funds December 1-15, 1963 at \$171 Term CTX (\$4,104 A rate)

Bennet O Moen as Experimental Plot Supervisor Northwest Experiment Station November 16, 1963 to June 30, 1964 at the rate of \$4,800 Term A

Mabel Perling as Senior Secretary Mines Experiment Station October 28, 1963 to June 30, 1964 at the rate of \$3,948 Term A

Ronald E Skjeveland as Building Caretaker Hormel Institute November 16, 1963 to June 30, 1964 at the rate of \$3,792 Term A

Donald L Holberg as Senior Engineer Plant Services October 1, 1963 to June 30, 1964 at the rate of \$9,012 Term A

Sherilyn Kreid as Bookkeeping Machine Operator Plant Services October 16, 1963 to June 30, 1964 at the rate of \$3,120 Term A

Vernard L Brown as Senior Building Caretaker Plant Services Morris November 4, 1963 to June 30, 1964 at the rate of \$4,800 Term A

Emily M Melander as Assistant Cook Sanford Hall October 28, 1963 to June 30, 1964 at the rate of \$3,000 Term A

Carolyn M Anderson as Clerk-Typist University Health Service October 16, 1963 to June 30, 1964 at the rate of \$2,880 Term A

Andrea M Bergman as Clerk-Typist University Health Service November 1, 1963 to June 30, 1964 at the rate of \$2,880 Term A

Albert R Laukkonen as Senior Stores Clerk Nicholson Hall Bookstore October 28, 1963 to June 30, 1964 at the rate of \$3,948 Term A

Marilyn M Johnson as Senior Clerk-Typist University Press October 11, 1963 to June 30, 1964 at the rate of \$3,504 Term A

Amy P Koepke as Account Clerk Numerical Analysis Center October 16, 1963 to June 30, 1964 at the rate of \$3,648 Term A

Andrea K Schulberg as Senior Clerk-Typist Economics Research Funds October 1, 1963 to June 30, 1964 at the rate of \$3,504 Term AT

Darlene J Kroll as Senior Clerk-Typist Psychology Research Funds October 1, 1963 to June 30, 1964 at the rate of \$1,752 Term AHT50 (\$3,504 A rate)

Kathleen J Hruska as Senior Clerk-Typist Minnesota School Mathematics Center Institute of Technology October 18, 1963 to June 30, 1964 at the rate of \$3,504 Term AT

Curtis D Lehrke as Linear Accelerator Operator Trainee School of Physics Research Funds October 16, 1963 to June 30, 1964 at the rate of \$5,196 Term AT

Palmer R Skaaland as Linear Accelerator Operator Trainee School of Physics Research Funds November 4, 1963 to June 30, 1964 at the rate of \$5,196 Term AT

Wendell B Kringen continuation of appointment as Laboratory Technologist Entomology Fisheries and Wildlife Research Funds December 1, 1963 to June 30, 1964 at \$3,031 Term CT (\$5,196 A rate)

Kathy H E Yu continuation of appointment as Senior Laboratory Technician Entomology Fisheries and Wildlife Research Funds December 1, 1963 to June 30, 1964 at \$2,394 Term CT (\$4,104 A rate)

Kathleen A Wilcox as Key Punch Operator Anatomy Research Funds October 1, 1963 to June 30, 1964 at \$2,430 Term CT (\$3,240 A rate)

Rufus O Bankole continuation of appointment as Laboratory Technologist Microbiology Research Funds January 1 to June 30, 1964 at \$2,598 Term CT (\$5,196 A rate)

Lance C Buoan as Junior Scientist Microbiology Research Funds October 16, 1963 to February 29, 1964 at \$2,106 Term CT (\$5,616 A rate)

Lily A Jones continuation of appointment as Senior Laboratory Technician Microbiology Research Funds January 1 to February 29, 1964 at \$740 Term CT (\$4,440 A rate)

Nancy P Minahan continuation of appointment as Laboratory Technologist Microbiology Research Funds December 1, 1963 to June 30, 1964 at \$3,031 Term CT (\$5,196 A rate)

Egon S Strauman as Laboratory Technologist Microbiology Research Funds October 16, 1963 to February 29, 1964 at \$1,949 Term CT (\$5,196 A rate)

Alfred S Pullens continuation of appointment as Laboratory Animal Attendant Medicine Research Funds November 1-30, 1963 at \$370 Term CT (\$4,440 A rate)

Karen L Settevig as Senior Laboratory Technician Medicine Research Funds November 1, 1963 to June 30, 1964 at \$2,736 Term CT (\$4,104 A rate)

Alice J Rieser as Clerk-Typist Otolaryngology Research Funds October 1, 1963 to June 30, 1964 at the rate of \$2,880 Term AT

Henry E Baur continuation of appointment as Principal Laboratory Animal Attendant Pathology Research Funds January 1 to February 29, 1964 at \$866 Term CT (\$5,196 A rate)

Linda M Cadotte continuation of appointment as Principal Laboratory Animal Attendant Pathology Research Funds January 1 to February 29, 1964 at \$832 Term CT (\$4,992 A rate)

Mary Lou Zimmer continuation of appointment as Laboratory Technician Pathology Research Funds January 1 to June 30, 1964 at \$1,620 Term CT (\$3,240 A rate)

Audrey A Smart as Student Technologist Supervisor Cancer Detection Center Research Funds October 28, 1963 to June 30, 1964 at the rate of \$5,616 Term AT

Lynn W Anderson continuation of appointment as Junior Scientist Pediatrics Research Funds December 1, 1963 to June 30, 1964 at \$3,276 Term CT (\$5,616 A rate)

Ronee A Hendrickson continuation of appointment as Junior Scientist Pediatrics Research Funds November 1, 1963 to June 30, 1964 at \$3,744 Term CT (\$5,616 A rate)

Erma V Miller continuation of appointment as Assistant Scientist Pediatrics Research Funds November 1, 1963 to June 30, 1964 at \$5,336 Term CT (\$8,004 A rate)

Woodrow Norris continuation of appointment as Senior Laboratory Animal Attendant Pediatrics Research Funds November 1, 1963 to February 28, 1964 at \$1,600 Term CT (\$4,800 A rate)

Donna M Oman continuation of appointment as Laboratory Technologist Pediatrics Research Funds December 1, 1963 to June 30, 1964 at \$3,150 Term CT (\$5,400 A rate)

Duane I Perteet continuation of appointment as Laboratory Animal Attendant Pediatrics Research Funds November 1-30, 1963 at \$316 Term CT (\$3,792 A rate)

Jane M Schwarten as General Staff Nurse Pediatrics Research Funds October 21, 1963 to June 30, 1964 at the rate of \$4,800 Term AT

Shirley M Steinlicht continuation of appointment as Junior Scientist Pediatrics Research Funds November 1, 1963 to April 30, 1964 at \$2,808 Term CT (\$5,616 A rate)

Marjorie M Stipek continuation of appointment as Secretary Pediatrics Research Funds November 1, 1963 to January 31, 1964 at \$912 Term CT (\$3,648 A rate)

Joann J Watson continuation of appointment as Senior Laboratory Technician Pediatrics Research Funds November 1, 1963 to April 30, 1964 at \$2,052 Term CT (\$4,104 A rate)

Robert C McElmury as Laboratory Technologist Pharmacology Research Funds October 28, 1963 to June 30, 1964 at the rate of \$5,196 Term AT

Ann D Williams as Laboratory Technologist Pharmacology Research Funds October 28, 1963 to June 30, 1964 at the rate of \$5,196 Term AT

Jean B Arel continuation of appointment as Laboratory Technologist Physiology Research Funds December 1, 1963 to June 30, 1964 at \$3,031 Term CT (\$5,196 A rate)

Kay L Briden continuation of appointment as Senior Laboratory Technician Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,394 Term CT (\$4,104 A rate)

Axel Carlson continuation of appointment as Principal Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$3,276 Term CT (\$5,616 A rate)

Charles A Damann continuation of appointment as Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,492 Term CT (\$4,272 A rate)

Norbert D Eggers continuation of appointment as Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,303 Term CT (\$3,948 A rate)

Lawrence O Ellsworth continuation of appointment as Senior Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,394 Term CT (\$4,104 A rate)

Antoinette D Hanson continuation of appointment as Principal Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,912 Term CT (\$4,992 A rate)

James D Harris as Laboratory Technologist Physiology Research Funds October 22, 1963 to April 30, 1964 at \$2,742 Term CT (\$5,196 A rate)

Alice M Laughlin continuation of appointment as Senior Clerk-Typist Physiology Research Funds December 1, 1963 to May 31, 1964 at \$1,752

Term CT (\$3,504 A rate) and to Senior Clerk-Typist Physiology June 1-30, 1964 at \$292 Term CT (\$3,504 A rate)

George M Lund continuation of appointment as Laboratory Animal Attendant Physiology Research Funds December 1, 1963 to June 30, 1964 at \$2,695 Term CT (\$4,620 A rate)

June M Smith continuation of appointment as Administrative Laboratory Technologist Physiology Research Funds December 1, 1963 to June 30, 1964 at \$3,829 Term CT (\$6,564 A rate)

Gloria A Bateson as Senior Clerk-Typist School of Public Health Research Funds October 7, 1963 to June 30, 1964 at the rate of \$2,628 Term AHT75 (\$3,504 A rate)

Marcia J Newcomb continuation of appointment as Junior Scientist School of Public Health Research Funds October 1-2, 1963 at \$43 Term CT (\$5,616 A rate); terminated

Clarence Butler continuation of appointment as Senior Laboratory Technician Surgery Research Funds December 1, 1963 to June 30, 1964 at \$2,492 Term CT (\$4,272 A rate)

Ruble T Dunn continuation of appointment as Laboratory Animal Attendant Surgery Research Funds April 1 to June 30, 1964 at \$912 Term CT (\$3,648 A rate)

David S Fenderson continuation of appointment as Laboratory Animal Attendant Surgery Research Funds December 1, 1963 to April 30, 1964 at \$1,520 Term CT (\$3,648 A rate)

Mary Ann Palmer continuation of appointment as Junior Scientist Surgery Research Funds November 1 to December 31, 1963 at \$936 Term CT (\$5,616 A rate)

Bonnie J Sander as Senior Laboratory Technician Surgery Research Funds October 1, 1963 to June 30, 1964 at \$3,078 Term CT (\$4,104 A rate)

Maxine W Winfield continuation of appointment as Senior Laboratory Technician Surgery Research Funds December 1, 1963 to May 31, 1964 at \$2,136 Term CT (\$4,272 A rate)

Wayne F Cavender continuation of appointment as Senior Laboratory Technician Radiology Research Funds December 1, 1963 to January 31, 1964 at \$684 Term CT (\$4,104 A rate)

Andrew A Hudson continuation of appointment as Assistant Scientist Radiology Research Funds December 1, 1963 to June 30, 1964 at \$3,829 Term CT (\$6,564 A rate)

Christopher J Conway as Senior Laboratory Animal Attendant Psychiatry and Neurology Research Funds October 21, 1963 to June 30, 1964 at \$3,035 Term CT (\$4,104 A rate)

Wulf F Massell as Senior Laboratory Technician Psychiatry and Neurology Research Funds October 1, 1963 to June 30, 1964 at \$3,078 Term CTX (\$4,104 A rate)

Orville Weiszhaar continuation of appointment as Junior Scientist Biochemistry College of Medical Sciences Research Funds January 1, 1963 to May 31, 1964 at \$2,530 Term CT (\$6,072 A rate)

Mary J Jensen as Laboratory Technician Physical Medicine and Rehabilitation Research Funds October 17, 1963 to June 30, 1964 at the rate of \$3,240 Term AT

David E Peterson as Laboratory Technologist Ophthalmology Research Funds October 9, 1963 to June 30, 1964 at the rate of \$5,196 Term AT

Mary A Christoff continuation of appointment as Senior Laboratory Technician Veterinary Bacteriology and Public Health Research Funds December 1, 1963 to June 30, 1964 at \$2,394 Term CT (\$4,104 A rate)

Paul F McNicoll continuation of appointment as Electronics Mechanic Veterinary Anatomy Research Funds November 1, 1963 to June 30, 1964 at \$3,744 Term CT (\$5,616 A rate)

Margie A Slints continuation of appointment as Laboratory Technologist Veterinary Anatomy Research Funds November 1, 1963 to June 30, 1964 at the rate of \$6,312 Term AT

Yvonne C Foreman as Senior Clerk-Typist Veterinary Medicine and Clinics Research Funds October 16 to December 31, 1963 at \$730 Term CT (\$3,504 A rate)

Gladys E Barber continuation of appointment as Photography Assistant School of Dentistry Research Funds December 1, 1963 to June 30, 1964 at \$2,044 Term CT (\$3,504 A rate)

Helenmae C Schauer continuation of appointment as Senior Laboratory Technician School of Dentistry Research Funds December 1, 1963 to June 30, 1964 at \$2,912 Term CT (\$4,992 A rate)

Susan D Eaton as Clerk-Typist Industrial Relations Center Research Funds October 28, 1963 to June 30, 1964 at the rate of \$2,880 Term AT

Mary M Halbert continuation of appointment as Assistant Scientist University Health Service Research Funds January 1 to February 14, 1964 at \$924 Term CT (\$7,392 A rate)

Lynda F Scott continuation of appointment as Senior Laboratory Technician University Health Service Research Funds January 1 to February 14, 1964 at \$513 Term CT (\$4,104 A rate)

Gerald T Bongard as recipient of an American Broadcasting Company Fellowship of \$1,350 for 1963-64 Clinical Psychology

Douglas H Anderson as recipient of an American Society for Quality Control Minnesota Section Scholarship of \$200 for the fall quarter of 1963-64 Industrial Engineering

Tom G Carnahan as recipient of an American Society for Metals Foundation for Education and Research Scholarship of \$500 for 1963-64 Metallurgy

John C Anderson as recipient of a Borden Agricultural Scholarship of \$300 for 1963-64 College of Agriculture Forestry and Home Economics

Marcella J Swenson as recipient of a Borden Home Economics Scholarship Award of \$300 for 1963-64 College of Agriculture Forestry and Home Economics

The following as recipients of Chapman Foundation Forestry Scholarships of \$200 each for 1963-64 College of Agriculture Forestry and Home Economics

Joseph A Brady
Anthony L Luciano

David L Miller
Thomas E Williams

Ralph G Ross as recipient of a College of Liberal Arts and University College Distinguished Teacher Prize of \$500 November 21, 1963 Interdisciplinary Programs

Sarah H Youngblood as recipient of a College of Liberal Arts and University College Distinguished Teacher Prize of \$500 November 21, 1963 English

Carol Ann Sheldahl as recipient of a Katharine Densford Scholarship of \$105 for the winter quarter of 1963-64 School of Nursing

The following as recipients of Caleb Dorr Scholarships of \$40 each for the fall term of 1963-64 Northwest School of Agriculture

Ronald J Bye
Robert C DeYoung
Alvin E Karr

Stanley H Lambert
Anthony R Obowa

Arthur A Sheldon and Richard A Sheldon as recipients of Caleb Dorr Scholarships of \$77.50 each for the fall term of 1963-64 Northwest School of Agriculture

Edna R Wickham as recipient of a Caleb Dorr Special Achievement Award of \$100 for the fall quarter of 1963-64 College of Agriculture Forestry and Home Economics

Susan L Harich and Marjorie E Rodberg as recipients of Federated Garden Clubs of Minnesota Scholarships of \$100 each for 1963-64 College of Agriculture Forestry and Home Economics

Beata Sowka as recipient of an Oscar Firkins Scholarship of \$577 for 1963-64 Speech and Theatre Arts

Harrison W Skinner as recipient of a Flour City Architectural Education Scholarship of \$100 November 18, 1963 School of Architecture

Mahavir Agrawal as recipient of a Foreign Students Emergency Aid and Scholarship of \$240 for the fall quarter of 1963-64 Mineral and Metallurgical Engineering

Frederick O Nwokobia as recipient of a Foreign Students Emergency Aid and Scholarship of \$200 November 8, 1963 College of Liberal Arts

Clement O Udeze as recipient of a Foreign Students Emergency Aid and Scholarship of \$250 for 1963-64 College of Liberal Arts

Gerald D Brown as recipient of a Garden Club of Ramsey County Scholarship of \$50 for 1963-64 College of Agriculture Forestry and Home Economics

Meredith J Hook as recipient of a General Motors College Scholarship of \$195 for the winter quarter of 1963-64 Humanities

Keith S Champlin and Edward P Ney as recipients of Institute of Technology Distinguished Teaching Awards of \$500 each November 15, 1963

Marlane L Ayers as recipient of a Junior Achievement of St Paul Scholarship of \$250 for 1963-64 Psychology

Zahid Hussain as recipient of a Julia Marshall Scholarship of \$135 for the fall quarter of 1963-64 School of Business Administration

Donald V Shippy as recipient of a Minnesota Future Farmers of America Foundation Scholarship of \$250 for 1963-64 College of Agriculture Forestry and Home Economics

Donald W Backus as recipient of a National Institute of Mental Health Fellowship of \$1,800 October 1, 1963 to June 30, 1964 Psychology

Thomas R Holman as recipient of a National Institute of Mental Health Fellowship of \$1,777.78 November 1, 1963 to June 30, 1964 Psychology

Robert A Sammelson as recipient of a National Plant Food Institute Scholarship of \$200 for 1963-64 College of Agriculture Forestry and Home Economics

Kenneth L Stein as recipient of a National Science Foundation Undergraduate Science Education Fellowship of \$100 for the winter quarter of 1963-64 College of Liberal Arts

Gerhardt N Fick as recipient of an F H Peavey and Company Undergraduate Scholarship of \$300 for 1963-64 College of Agriculture Forestry and Home Economics

The following as recipients of the National Society of Colonial Dames of America in the State of Minnesota Scholarships November 15 to December 20, 1963

		Amount
Elsaid Ashour	Graduate	\$200
Esin Bilbashar	College of Liberal Arts	200
Yoon H Kim	Graduate	100
Benedito E Madeiro	Graduate	100
Joseph G Moosally	Graduate	200
Akira Nagashima	Graduate	200
Ferrol O Robinson	Institute of Technology	100

Wai Y Syn as recipient of a Wesley E Peik Teacher Education Scholarship of \$200 November 20 to December 20, 1963 College of Education

Joann K Anderson and Ronald C Larson as recipients of Theodore Presser Foundation Scholarships of \$105 each for 1963-64 Music Education

Donald J Hempel as recipient of a Sales and Marketing Executives of Minneapolis—Emmett Salisbury Research Grant of \$500 for 1963-64 School of Business Administration

The following as recipients of School of Nursing Foundation Scholarships November 15, 1963 to March 20, 1964

	Amount
Mary E Berquist	\$100
Patricia P Eide	85
Patricia A Mumm	85

The following as recipients of Augustus L Searle Scholarships of \$50 each for the fall term of 1963-64 Northwest School of Agriculture

Jane F Filipi	Ilene J Vetteson
Judy E Milender	Laura J Wickham
Phyllis M Payne	

Gerald M Larson as recipient of a Sears-Roebuck Foundation Agricultural Sophomore Scholarship of \$300 for 1963-64 College of Agriculture Forestry and Home Economics

Nancy J Johnson as recipient of a Sigma Theta Tau (Zeta Chapter) Scholarship of \$150 for the winter quarter of 1963-64 School of Nursing

Marjorie E Rodberg as recipient of a Twin City Nurserymen's Association Award of \$100 for 1963-64 College of Agriculture Forestry and Home Economics

The following as recipients of Belle Bonsteel Sorensen Scholarships of \$105 each for 1963-64

Stephen Adams	College of Liberal Arts
Gerald E Asheim	College of Liberal Arts
Errol H Bluhm	College of Liberal Arts
Sandra K Chase	College of Liberal Arts
James Darrah	
Kathleen Donnelly	College of Liberal Arts
Jeroldine K Hallberg	College of Liberal Arts
Margaret L Hatfield	College of Liberal Arts
John R Morton	College of Liberal Arts
Diane D Olson	College of Liberal Arts
Roy W Pallatt	College of Education
David J Reavis	College of Education
Rita B Wannarka	College of Liberal Arts

The following as recipients of Union Carbide and Carbon Corporation Scholarships in Chemical and Mechanical Engineering of \$500 each for 1963-64 Institute of Technology

Curtis W Frank	Richard L Luther
Bruce V Korblick	Jack T Saari

Arthur B Westergard as recipient of a United Northern Sportsmen Scholarship of \$300 for 1963-64 Duluth

Robert L Opsahl as recipient of a United States Public Health Service Predoctoral Fellowship of \$1,800 September 23, 1963 to September 22, 1964 Psychology

George E Becker recipient of a United States Public Health Service Research Training Grant in Microbiology to receive a supplement of \$121 October 16-31, 1963

Herbert P Ginsberg as recipient of a United States Public Health Service Predoctoral Fellowship of \$2,500 October 25, 1963 to October 24, 1964 Institute of Child Development

Lauren Harris as recipient of a United States Public Health Service Predoctoral Fellowship of \$2,000 September 24, 1963 to September 23, 1964 Institute of Child Development

Judith K Hoy as recipient of a University Bookstores Scholarship of \$350 for 1963-64 Speech and Theatre Arts

The following recipients of University of Minnesota Intercollegiate Athletic Grants-in-Aid to receive supplements of \$5 each for 1963-64

Arthur W Davis	College of Education
Alan J Druskin	School of Business Administration
Frank Frye	College of Education
John H Hankinson	College of Education
Donald E Henry	College of Liberal Arts
Robert J Henry	College of Education
Robert N Jensen	College of Liberal Arts
Lewis E Kennedy	College of Education
James C Leslie	College of Education
Donald J Linehan	College of Education
Stewart J Maples	College of Liberal Arts
Frank C Marchlewski	College of Education
Morrie H Miller	College of Liberal Arts
Jerry V Noyce	Institute of Technology
Michael A Orman	College of Education
Joseph E Pung	College of Liberal Arts
Michael A Reid	College of Education
William Sausen	Institute of Technology
Milton J Schwantz	College of Agriculture Forestry and Home Economics
Gary E Turnwall	General College

Patricia L Campion as recipient of a Marion L Vannier Scholarship of \$200 November 15, 1963 to June 30, 1964 School of Nursing

The following recipients of Henry L Williams Memorial Scholarships to receive supplements of \$5 each for 1963-64

John Bergman	College of Liberal Arts
Edward Bruce	College of Liberal Arts
William R Costanza	College of Education
Paul Faust	Institute of Technology

Special Appointments

Munime Kocayusufpasaoglu Lundeen Teaching Assistant School of Chemistry at \$2,178 Term BH50 (married to Gerald Lundeen Research Assistant School of Chemistry Research Funds Term BHT50 October 4, 1963)

James M Lunacek student as Engineering Assistant Electrical Engineering Research Funds beginning October 14, 1963 at \$1.33 per hour (brother Joseph H Lunacek student Engineering Assistant Trainee Electrical Engineering Research Funds hourly rate)

Linus L Tumbleson student as Laboratory Technical Assistant Animal Husbandry Research Funds beginning October 16, 1963 at \$1.56 per hour (brother Myron Tumbleson Research Assistant Animal Husbandry Research Funds Term AHT50)

Promotions and Transfers

Mitchell V Charnley from Professor School of Journalism at \$16,100 Term B to Professor School of Journalism and Assistant Dean Administration College of Liberal Arts without change in salary rate or term beginning January 1, 1964

Gordon I Swanson from Professor Agricultural Education at \$14,500 Term A to Professor Agricultural Education and Co-ordinator International Programs without change in salary rate or term beginning July 1, 1963

Eugene R Chenette Associate Professor Electrical Engineering at \$10,500 Term B to serve as Associate Professor Evening and Special Classes for 33% time without change in salary rate or term for 1963-64.

Allyn G Bridge Associate Professor School of Public Health and Research Funds at \$15,000 Term A to serve in addition as Lecturer Pediatrics without salary July 1, 1963 to June 30, 1964

Robert C Bahn from Assistant Professor Pathology Mayo Foundation without salary to Associate Professor October 1, 1963 to June 30, 1964

Anne L Wirt from Assistant Professor Peace Corps at \$3,625 Term CT (\$14,500 A rate) November 1, 1963 to January 31, 1964 to Assistant to the Vice President Academic Administration and Assistant Professor at the rate of \$13,000 Term A December 16, 1963 to June 30, 1964

James E Stochl from Instructor Elementary Education at \$9,500 Term B to Assistant Professor without change in salary rate or term December 16, 1963 to June 15, 1964

Thomas J Kirby from Instructor Ophthalmology Mayo Foundation without salary to Assistant Professor October 1, 1963 to June 30, 1964

Robert F Estelle Instructor Romance Languages at \$6,500 Term B to serve as Instructor Language Laboratory for 50% time without change in salary rate or term for 1963-64

Richard D Taylor from Lecturer Speech and Theatre Arts at \$1,500 Term BHX12 (\$12,500 B rate) to Assistant Professor without change in salary rate or term for 1963-64

Theodore R Hovet Instructor Interdisciplinary Programs at \$3,108 Term BH67 (\$4,662 B rate) to serve at the rate of \$1,554 Term BH34 (\$4,662 B rate) October 1 to December 15, 1963 and to serve in addition as Instructor Nurses Instruction at \$518 for 33% time for the fall quarter of 1963-64

Lee E Layton from Teaching Assistant Interdisciplinary Programs at \$726 Term CHX50 for the fall quarter of 1963-64 to Instructor at \$3,333 Term CX (\$5,000 B rate) for the winter and spring quarters of 1963-64

James L Mack Instructor Psychology at \$2,331 Term BH50 (\$4,662 B rate) to continue to serve as Research Assistant Neurology Research Funds at \$726 Term CHT50 November 1, 1963 to January 31, 1964

Mireille Rydell from Teaching Assistant Romance Languages at \$2,178 Term BH50 to Instructor at \$5,200 Term BX for 1963-64

John P Hanton from Research Fellow Electrical Engineering Research Funds at \$4,662 Term BT for 1962-63 to Instructor Electrical Engineering at \$234 Term CHT15 (\$4,680 B rate) for the fall quarter of 1963-64

James R Bergquist from Clinical Instructor Obstetrics and Gynecology at \$1,930 Term AH25 (\$7,722 A rate) to Clinical Instructor Obstetrics and Gynecology and Minneapolis General Hospital Fellowships at \$3,860 Term AH43 (\$8,777 A rate) for 1963-64

Douglas W White from Librarian Library at \$6,564 Term A to Instructor and Librarian West Bank Branch Library at the rate of \$7,200 Term A November 1, 1963 to June 30, 1964

Karen L Harwood from Instructor and Librarian Library at \$6,312 Term A to Instructor and Librarian and Acting Head of Book Division of Acquisitions Department Library at the rate of \$7,000 Term A September 1, 1963 to June 30, 1964

Virgilio R Carangal from Research Assistant Agronomy and Plant Genetics Research Funds at \$2,904 Term AHT50 to Research Assistant Agronomy and Plant Genetics at the rate of \$4,356 Term AHT75 November 1 to December 31, 1963 and as Research Assistant Agronomy and Plant Genetics Research Funds at the rate of \$4,356 Term AHT75 January 1 to June 30, 1964

John C Saari from Instructor Biochemistry Institute of Agriculture at \$777 Term CHT50 (\$6,216 A rate) for the fall quarter of 1963-64 to

Research Assistant Biochemistry Institute of Agriculture Research Funds at \$121 Term CHT50 December 16-31, 1963

Sharon K Fuller from Teaching Assistant College of Pharmacy at \$2,178 Term BH50 to Research Assistant College of Pharmacy Research Funds at \$1,089 Term CHT50 November 16, 1963 to March 31, 1964

Donald J Destache from Medical Fellow University of Minnesota Hospitals at \$3,150 plus tuition and fees Term AT to Medical Fellow Anesthesiology with salary paid directly by the Veterans Administration Hospital November 18, 1963 to June 30, 1964

Paul S Symchych from Research Assistant Pediatrics Research Funds at \$3,630 Term CHT75 September 1, 1963 to June 30, 1964 to Medical Fellow at \$2,100 plus tuition and fees Term CT November 1, 1963 to June 30, 1964

Costas Assimacopoulos from Medical Fellow Specialist Surgery Mt Sinai Hospital Fellowships at \$3,180 plus tuition and fees Term AT to Medical Fellow at \$3,150 plus tuition and fees Term AT for 1963-64

Bonnie R Conrad Research Assistant School of Home Economics Research Funds at \$2,178 Term BHT50 to receive \$500 as Non-service Fellow Caleb Dorr Fellowship September 16, 1963 to June 15, 1964

Judith A Helgoe Senior Secretary Office of the President at \$3,948 Term A to serve as Principal Secretary at the rate of \$4,272 Term AT July 1 to September 30, 1963

Pearl A Morgan Principal Secretary Office of the President at \$5,400 Term AL to serve as Executive Secretary at the rate of \$5,616 Term AT July 1 to September 30, 1963

David C Berg from Personnel Assistant Office of Civil Service Personnel at \$5,400 Term A to Personnel Services Representative Trainee at the rate of \$5,616 Term A October 1, 1963 to June 30, 1964

Ruth Von Rueden from Senior Clerk-Typist Administration College of Liberal Arts at \$3,648 Term A to Secretary at the rate of \$3,792 Term A October 7, 1963 to June 30, 1964

Irene H Wolden from Senior Secretary English at \$4,272 Term A to Principal Clerk at the rate of \$4,440 Term A August 1, 1963 to June 30, 1964

Mary L Coryell from Clerk-Stenographer School of Social Work Research Funds at \$3,120 Term AT to Clerk-Stenographer School of Social Work without change in salary rate Term A November 1, 1963 to June 30, 1964

Lou Venia H Smith from Senior Clerk-Typist University of Minnesota Hospitals at \$3,504 Term A to Senior Clerk-Typist School of Mineral and Metallurgical Engineering without change in salary rate or term September 23, 1963 to June 30, 1964

Mabel H Erickson from Secretary School of Dentistry Research Funds at \$1,520 Term CT (\$3,648 A rate) July 1 to November 30, 1963 to Senior Secretary School of Physics at the rate of \$3,948 Term A September 23, 1963 to June 30, 1964

Helen O Bean from Senior Clerk-Typist Horticultural Science at \$3,504 Term A to Principal Secretary at the rate of \$4,272 Term A October 16, 1963 to June 30, 1964

Bonnie L Kuehl from Secretary Surgery Research Funds at \$608 Term CT (\$3,648 A rate) September 1 to October 31, 1963 to Secretary Surgery and Research Funds at the rate of \$3,648 Term A November 1, 1963 to June 30, 1964

Carol M Halverson from Clerk School of Dentistry at \$2,772 Term A to Senior Clerk at the rate of \$3,372 Term A November 1, 1963 to June 30, 1964

Karen K Hageman from Clerk-Typist University of Minnesota Hospitals at \$2,880 Term A to Senior Clerk-Typist Administration School of Business Administration at the rate of \$3,504 Term A October 7, 1963 to June 30, 1964

Jeanne M Babcock from Senior Clerk-Typist University of Minnesota Hospitals at \$3,792 Term A to Account Clerk at the rate of \$3,948 Term AT September 1, 1963 to June 30, 1964

Karen J Bisset from Student Technologist Supervisor University of Minnesota Hospitals at \$6,072 Term A to Senior Medical Technologist at the rate of \$6,312 Term AT August 22, 1963 to June 30, 1964

Ruth Ann Brown from Student Technologist Supervisor University of Minnesota Hospitals at \$6,072 Term A to Senior Medical Technologist at the rate of \$6,312 Term AT August 22, 1963 to June 30, 1964

Jacqueline L Guertin from Laboratory Animal Attendant Ophthalmology Research Funds at \$3,792 Term AT to Hospital Aide University of Minnesota Hospitals at the rate of \$3,120 Term A September 30, 1963 to June 30, 1964

Margaret Halsted from Student Technologist Supervisor University of Minnesota Hospitals at \$6,828 Term A to Senior Medical Technologist at the rate of \$7,104 Term AT August 22, 1963 to June 30, 1964

Norma F Jackson from Assistant Cook University of Minnesota Hospitals at \$3,120 Term A to Senior Salad Maker at the rate of \$3,372 Term A September 2, 1963 to June 30, 1964

Joyce M Kortuem from Clerk-Typist University of Minnesota Hospitals at \$2,880 Term A to Senior Clerk-Typist at the rate of \$3,504 Term A September 1, 1963 to June 30, 1964

Joanne J Samuelson from Student Technologist Supervisor University of Minnesota Hospitals at \$6,564 Term A to Senior Medical Technologist at the rate of \$6,828 Term AT August 22, 1963 to June 30, 1964

Carol M Wennberg from General Staff Nurse University of Minnesota Hospitals at \$4,992 Term A to Head Hospital Nurse at the rate of \$5,616 Term A October 28, 1963 to June 30, 1964

Phyllis Hambleton from Senior Account Clerk Evening and Special Classes at \$4,272 Term A to Principal Secretary without change in salary rate or term October 1, 1963 to June 30, 1964

Janice A McKenzie from Senior Clerk-Typist Evening and Special Classes at \$3,648 Term A to Senior Account Clerk at the rate of \$4,272 Term A October 28, 1963 to June 30, 1964

Patricia Allen from Senior Clerk-Typist Physiology Research Funds at \$2,628 Term CT (\$3,504 A rate) July 1, 1963 to March 31, 1964 to Senior Laboratory Attendant Plant Pathology and Physiology Research Funds at the rate of \$3,948 Term AT October 16, 1963 to June 30, 1964

Lillian E Church from Clerk Bailey Hall and Food Services at \$2,772 Term A to Junior Cashier at the rate of \$2,880 Term A September 9, 1963 to June 30, 1964

Kathleen A Kubinski from Laboratory Technician University of Minnesota Hospitals at \$3,240 Term A to Laboratory Technician University Health Service without change in salary rate or term October 1, 1963 to June 30, 1964

Joann G Kramer from Clerk-Typist Professional Colleges Bookstore at \$2,880 Term A to Senior Clerk-Typist at the rate of \$3,504 Term A November 4, 1963 to June 30, 1964

Minnie Matsuura from Senior Account Clerk University Press at \$5,400 Term AL to Principal Account Clerk at the rate of \$5,616 Term A November 16, 1963 to June 30, 1964

Marlys L Hillmer from Clerk-Stenographer Electrical Engineering at \$3,120 Term AT to Clerk-Stenographer School of Social Work Research Funds without change in salary rate or term October 28, 1963 to June 30, 1964

Dana D Carroll from Laboratory Technologist Medicine Research Funds at \$5,196 Term AT to Laboratory Technologist Ophthalmology Research Funds without change in salary rate or term October 1, 1963 to June 30, 1964

Patricia L Engle from Senior Secretary School of Public Health Research Funds at \$3,948 Term AT to Principal Secretary at the rate of \$4,272 Term AT October 16, 1963 to June 30, 1964

Salary Adjustments

Curtis A Winkle Instructor Counselor Student Personnel Office College of Education from \$4,812 Term AH75 (\$6,416 A rate) to \$4,748 Term AH74 (\$6,416 A rate) for 1963-64

Wauneta L Blackburn Instructor Rhetoric at \$2,500 Term BH50 (\$5,000 B rate) to continue to serve at \$2,100 Term CT (\$6,300 B rate) for the winter quarter of 1963-64

Edwin E Felien Instructor Rhetoric at \$2,500 Term BH50 (\$5,000 B rate) to continue to receive \$417 for 25% additional time for the winter quarter of 1963-64

John F White Instructor Rhetoric at \$2,500 Term BH50 (\$5,000 B rate) to continue to receive \$417 for 25% additional time for the winter quarter of 1963-64

Robert S Eliot Instructor Medicine Research Funds from \$9,900 Term AT to the rate of \$10,500 Term AT October 1, 1963 to June 30, 1964

Fumi Morita Research Fellow School of Chemistry Research Funds from \$2,083 Term CHT84 (\$5,928 A rate) July 1 to November 30, 1963 to \$3,500 Term CHT97 (\$6,216 A rate) December 1, 1963 to June 30, 1964

Daniel J Seery Research Fellow School of Chemistry Research Funds from \$2,438 Term CT (\$6,500 A rate) July 1 to November 15, 1963 to \$2,662 Term CT (\$7,100 A rate) September 16, 1963 to January 31, 1964

Carlton S Graves Research Fellow Biochemistry Institute of Agriculture Research Funds from \$5,180 Term CT (\$6,216 A rate) September 1, 1963 to June 30, 1964 to \$4,400 Term CT (\$6,800 A rate) November 1, 1963 to June 30, 1964

Julia Bartlett Hennepin County Home Agent Assistant Professor Agricultural Extension Service from \$7,767 (\$5,150 University \$2,617 County) Term AH66 to the rate of \$8,143 (\$5,250 University \$2,893 County) Term AH64 January 1 to June 30, 1964

Agnette U Duncan Isanti County Home Agent Instructor Agricultural Extension Service from \$5,100 (\$4,700 University \$400 County) Term AH92 to the rate of \$5,300 (\$4,800 University \$500 County) Term AH91 January 1 to June 30, 1964

Joseph L Fox Hennepin County Club Agent Instructor Agricultural Extension Service from \$7,177 (\$4,800 University \$2,377 County) Term AH67 to the rate of \$7,536 (\$4,900 University \$2,636 County) Term AH65 January 1 to June 30, 1964

Vernon R Hoysler McLeod County Agricultural Agent Associate Professor Agricultural Extension Service from \$9,325 (\$5,600 University \$3,725 County) Term AH60 to the rate of \$9,625 (\$5,750 University \$3,875 County) Term AH60 January 1 to June 30, 1964

Evelyn Jenkins Hennepin County Assistant County Home Agent Instructor Agricultural Extension Service from \$5,100 (\$4,600 University \$500 County) Term AH90 to the rate of \$5,400 (\$4,700 University \$700 County) Term AH87 January 1 to June 30, 1964

M Jean Krech Olmsted County Home Agent Assistant Professor Agricultural Extension Service from \$6,000 (\$4,400 University \$1,600 County) Term AH73 to the rate of \$6,500 (\$4,500 University \$2,000 County) Term AH69 January 1 to June 30, 1964

Robert J Leary Jackson County Assistant County Agricultural Agent Instructor Agricultural Extension Service from \$6,200 (\$5,475 University \$725 County) Term AH88 to the rate of \$6,400 (\$5,625 University \$775 County) Term AH88 January 1 to June 30, 1964

Irene M Ott McLeod County Home Agent Assistant Professor Agricultural Extension Service from \$7,575 (\$5,250 University \$2,325 County) Term AH69 to the rate of \$7,875 (\$5,350 University \$2,525 County) Term AH68 January 1 to June 30, 1964

Raymond W Palmby Jackson County Agricultural Agent Associate Professor Agricultural Extension Service from \$9,100 (\$5,675 University \$3,425 County) Term AH62 to the rate of \$9,300 (\$5,825 University \$3,475 County) Term AH63 January 1 to June 30, 1964

Lawrence G Peichel Brown County Agricultural Agent Instructor Agricultural Extension Service from \$7,000 (\$4,640 University \$2,360 County) Term AH66 to the rate of \$7,250 (\$4,890 University \$2,360 County) Term AH67 January 1 to June 30, 1964

Richard Radway Olmsted County Agricultural Agent Associate Professor Agricultural Extension Service from \$9,600 (\$5,900 University \$3,700 County) Term AH61 to the rate of \$10,000 (\$6,050 University \$3,950 County) Term AH61 January 1 to June 30, 1964

Jerry L Richardson Dodge County Agricultural Agent Assistant Professor Agricultural Extension Service from \$7,500 (\$4,750 University \$2,750 County) Term AH63 to the rate of \$7,800 (\$4,900 University \$2,900 County) Term AH63 January 1 to June 30, 1964

Erven W Skaar Isanti County Agricultural Agent Assistant Professor Agricultural Extension Service from \$7,550 (\$5,340 University \$2,210 County) Term AH71 to the rate of \$7,800 (\$5,490 University \$2,310 County) Term AH70 January 1 to June 30, 1964

Audrey Mae V Tolzmann Jackson County Home Agent Assistant Professor Agricultural Extension Service from \$6,750 (\$5,125 University \$1,625 County) Term AH76 to the rate of \$6,900 (\$5,225 University \$1,675 County) Term AH76 January 1 to June 30, 1964

Fred E Wetherill Nicollet County Agricultural Agent Instructor Agricultural Extension Service from \$8,700 (\$5,225 University \$3,475 County) Term AH60 to the rate of \$8,850 (\$5,375 University \$3,475 County) Term AH61 January 1 to June 30, 1964

Robert J Barta Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$36 for 3% additional time for the fall quarter of 1963-64

Larry L Collins Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$182 for 13% additional time for the fall quarter of 1963-64

John E Fadell Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$182 for 13% additional time for the fall quarter of 1963-64

Ruth E Jones Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$36 for 3% additional time for the fall quarter of 1963-64

Jacqueline L Lacourt Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$109 for 8% additional time for the fall quarter of 1963-64

Donald B McKeon Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$218 for 15% additional time for the fall quarter of 1963-64

Erik C Paul Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$36 for 3% additional time for the fall quarter of 1963-64

John F Reighard Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$73 for 5% additional time for the fall quarter of 1963-64

Henry J Richards Teaching Assistant Romance Languages at \$2,178 Term BH50 to receive \$36 for 3% additional time for the fall quarter of 1963-64

Susanne J Brugler Secretary Surgery and Research Funds at \$2,220 Term AH50 (\$4,440 A rate) to continue to receive \$1,665 for 50% additional time October 1, 1963 to June 30, 1964

Florence M Eystad Senior Clerk-Typist Library Morris from the rate of \$3,372 Term A June 16-30, 1963 to \$1,577 Term BH60 (\$2,628 B rate) for 1963-64 and Instructor Division of Humanities Morris from \$1,399 Term CH90 (\$4,662 B rate) for the spring quarter of 1962-63 to \$2,030 Term BH40 (\$5,075 B rate) for 1963-64

Florence G Kisor Assistant Cook Medicine Research Funds from \$2,916 Term AHT90 (\$3,240 A rate) to \$2,264 Term CT (\$3,240 A rate) October 21, 1963 to June 30, 1964

Michio Shimizu Laboratory Attendant Pathology Research Funds from \$636 Term CHT75 (\$2,772 A rate) March 16 to June 30, 1963 to \$1,500 Term AHT50 (\$3,000 A rate) for 1963-64

Jeanette J Westerback Senior Clerk-Typist Trainee Surgery Research Funds from \$1,040 Term CT (\$3,120 A rate) July 1 to October 31, 1963 to \$1,080 Term CT (\$3,240 A rate) November 1, 1963 to February 29, 1964 and \$1,124 Term CT (\$3,372 A rate) March 1 to June 30, 1964

Vivian V Busse Secretary South Asia Study Center from \$1,314 Term BHT50 (\$2,628 B rate) for 1962-63 to the rate of \$1,368 Term BHT50 (\$2,736 B rate) October 15, 1963 to June 15, 1964

Leaves of Absence

E Adamson Hoebel Professor and Chairman Anthropology sabbatical furlough for 1964-65 to write up field study of Pueblo law and social control and to complete analysis of Pakistan High Court Decisions involving principles of Muslim law

Reuben L Hill, Jr Professor Sociology and Director Family Study Center leave without salary September 16 to December 31, 1964 and September 16, 1965 to June 15, 1966 to serve as Program Specialist in the Population Program of the Ford Foundation

Fred E Lukermann, Jr Associate Professor Geography sabbatical furlough for the spring quarter of 1963-64 to do field research in Greece and write a book on History of Ancient Geography

Minerva O Jenson Associate Professor District Supervisor Home Economics Extension Agricultural Extension Service leave with salary November 18 to December 15, 1963 on account of illness

Jesus Gil de Lamadrid Assistant Professor Mathematics College of Liberal Arts sabbatical furlough for 1964-65 for writing and research with time to be spent in Paris

Melvin J Goldberg Medical Fellow Specialist Physical Medicine and Rehabilitation Research Funds leave without salary December 1-15, 1963 to take a course on Prosthetics at University of California at Los Angeles

Lynda B Henderson Clerk Business Office leave without salary October 21 to November 1, 1963 on account of illness

Susan E Leventhal Clerk Business Office leave without salary October 14-22, 1963 and October 25-30, 1963 on account of illness

Patricia A Boland Senior Clerk-Typist Data Processing Center leave without salary October 25 to November 8, 1963 on account of illness

Elaine M S Anderson Senior Clerk-Typist Law School 25% time leave without salary October 21, 1963 to June 30, 1964 to care for family

Sara J Selander Senior Clerk-Typist Administration School of Business Administration leave without salary August 26-30, 1963 for rest

Marion E Erickson General Staff Nurse University of Minnesota Hospitals leave without salary August 5-16, 1963 for vacation

Margaret K Lefavor Laboratory Attendant University of Minnesota Hospitals continuation of leave without salary November 1 to December 15, 1963 on account of injury at work

Louise L Lind Food Service Worker University of Minnesota Hospitals leave without salary October 29 to November 15, 1963 on account of injury at work

Barbara H Olson General Staff Nurse University of Minnesota Hospitals leave without salary October 8-23, 1963 on account of illness

Catherine L Remes General Staff Nurse University of Minnesota Hospitals leave without salary October 3-10, 1963 on account of illness

Anne E Seltz Audiologist University of Minnesota Hospitals leave without salary November 11, 1963 to January 12, 1964 for trip to Orient

Joanne M Sheehan General Staff Nurse University of Minnesota Hospitals leave without salary October 26 to November 4, 1963 on account of illness

Judith A Skaff General Staff Nurse University of Minnesota Hospitals leave without salary October 29 to November 7, 1963 on account of illness

Florence Tutila Food Service Worker University of Minnesota Hospitals leave without salary August 6-11, 1963 for extended vacation

Janice Pelowski Clerk Correspondence Study Instruction leave without salary August 19-23, 1963 on account of death in family

Marvin Angrimson Building Caretaker Plant Services leave without salary November 14-30, 1963 on account of illness

Irene C Chlebeczek Food Service Worker Coffman Union Food Service continuation of leave without salary November 1-15, 1963 on account of illness

Evelyn H Saterbo Senior Clerk Professional Colleges Bookstore leave without salary July 16-22, 1963 for vacation

Richard C Rost Senior Storehouse Clerk Nicholson Hall Bookstore leave without salary July 1-5, 1963 for vacation

Florence Hauger Assistant Bookbinder Printing Department leave without salary October 25-31, 1963 for extended vacation

Ellen S Moberg Laundry Worker University Laundry leave without salary October 28 to December 31, 1963 on account of injury

Marion L Peterson Clerk-Typist Fatty Acid Project Hormel Institute leave without salary December 16-27, 1963 for trip

June P Calin Senior Clerk-Typist Women's Continuing Education Program leave without salary November 1-29, 1963 to complete research and writing of term paper for New Worlds of Knowledge seminar

Patricia A Dignan Clerk-Typist School of Public Health Research Funds leave without salary October 16-31, 1963 on account of illness in family

Michio Shimizu Laboratory Attendant Pathology Research Funds continuation of leave without salary July 1 to September 30, 1963 to study electron microscopy in England and Europe

Virginia B Bailey Psychometrist Psychiatry and Neurology Research Funds continuation of leave without salary November 1-15, 1963 on account of pregnancy

CONTRACTS AND GRANTS

Voted to approve the following contracts and grants:

U.S. Department of Agriculture

No. 12-25-020-2263, Amendment No. 8 to Supplement No. 1 of Basic Memorandum of Agreement, extending provisions through fiscal year ending June 30, 1964, allotting funds in the amount of \$400.00, Dr. H. J. Sloan, Director, Agricultural Experiment Station, filed supplement to the minutes, page 16,107

No. 12-14-100-5367 (44), Amendment No. 1 allotting funds in the amount of \$5,600.00 for the period July 1, 1963 to June 30, 1964, Dr. C. L. Cole, Dairy Husbandry, filed supplement to the minutes, page 16,108

U.S. Atomic Energy Commission

AT(11-1)-478, Modification No. 7, providing no cost 90 day extension to December 31, 1963, Dr. W. M. Lauer, Chemistry, filed supplement to the minutes, page 16,109

AT(11-1)-841, Modification No. 4, allotting funds in the amount of \$36,526.00 for the period November 1, 1963 to October 31, 1964, application approved on July 12, 1963, Dr. R. A. Swalin, Metallurgy, filed supplement to the minutes, page 16,110

AT(11-1)-1337, for Emperior Tandem Van de Graaff Research Facility, allotting funds in the amount of \$37,853.00 for the period July 1, 1963 to December 31, 1963, application approved June 15, 1963, Dr. John H. Williams, Physics, filed supplement to the minutes, page 16,111

BM-16-13-64, requesting acquisition of equipment in the amount of \$7,500.00, application approved September 20, 1963, Dr. L. M. Henderson, Biochemistry, filed supplement to the minutes, page 16,112

U.S. Air Force

AF 49(643)-301 Basic Agreement, filed supplement to the minutes, page 16,113

AF 33(615)-1055 for research on Damping, Plasticity, Fatigue and Dynamic Response of Materials and Structural Systems under Cyclic Loading, allotting funds in the amount of \$60,000.00 for the period November 1, 1963 to October 31, 1964, the awarded amount of contract being \$179,700.00, application approved May 10, 1963, Dr. B. J. Lazan, Aeronautics and Engineering Mechanics, filed supplement to the minutes, page 16,114

AF-AFOSR-17-64 for research on Mass Transfer Cooling, allotting funds in the amount of \$46,836.00 for the period October 1, 1963 to September 30, 1964, application approved April 19, 1963, Dr. E. R. G. Eckert, Mechanical Engineering, filed supplement to the minutes, page 16,115

U.S. Army

DA 18-064-CML-2832 (A), Modification No. 2 allotting balance of contract funds in the amount of \$15,000.00, Dr. M. F. Kernkamp, Plant Pathology and Physiology, filed supplement to the minutes, page 16,116

DA-11-022 ord 1869 Letter Amendment fixing final overhead rate for period July 1, 1959 to June 30, 1962, Dr. W. S. Loud, Mathematics, filed supplement to the minutes, page 16,117

DA-11-022 ord 3966 Letter Amendment fixing overhead rate for period July 1, 1959 to June 30, 1962, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,118

DA-11-022 ord 3967 Letter Amendment fixing final overhead rate for period July 1, 1959 to June 30, 1962, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,119

DA-11-022 ord 3969 Letter Agreement fixing final overhead rate for the period July 1, 1959 to June 30, 1962, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,120

DA-ARO (D) 31-124-G232, supplement allotting funds in the amount of \$15,950.00 for the period December 1, 1963 to November 30, 1964,

application approved on January 31, 1961, Dr. Stanley Bruckenstein, Chemistry, filed supplement to the minutes, page 16,121

DA-49-007 MD 390, Modification No. 19 fixing overhead rate for the period July 1, 1961 to December 31, 1962, Dr. W. D. Armstrong, Physiological Chemistry, filed supplement to the minutes, page 16,122

DA-49-007 MD 592, Modification No. 21 fixing overhead rate for the period July 1, 1961 to June 30, 1962, Dr. F. W. Hoffbauer, Medicine, filed supplement to the minutes, page 16,123

DA-49-007 MD 923, Modification No. 12 fixing overhead rate for the period July 1, 1961 to August 31, 1962, Dr. W. F. Scherer, Microbiology, filed supplement to the minutes, page 16,124

DA-49-007 MD 971, Modification No. 12 fixing overhead rate for the period July 1, 1961 to June 30, 1962, Dr. L. W. Wannamaker, Pediatrics, filed supplement to the minutes, page 16,125

DA-49-007 MD 972, Modification No. 12 fixing overhead rate for the period July 1, 1961 to June 30, 1962, Dr. L. W. Wannamaker, Pediatrics, filed supplement to the minutes, page 16,126

DA-49-193 MD 2015, Modification No. 10 fixing overhead rate for the period July 1, 1961 to June 30, 1962, Dr. Merrill Roff, Institute of Child Development, filed supplement to the minutes, page 16,127

DA-49-193 MD 2027, Modification No. 6 fixing overhead rate for the period July 1, 1961 to September 30, 1961, Dr. Maurice Kreevoy, Chemistry, filed supplement to the minutes, page 16,128

DA-49-193 MD 2366, Modification No. 1 changing provisional overhead rate effective January 1, 1963 to June 30, 1963, Dr. W. D. Armstrong, Physiological Chemistry, filed supplement to the minutes, page 16, 129

DA-49-193 MD 2296, Modification No. 1 changing provisional overhead rate for the period July 1, 1962 to June 30, 1963, Dr. C. J. Watson, Medicine, filed supplement to the minutes, page 16,130

U.S. Navy

Nonr 710 (29), Amendment No. 9 allotting funds in the amount of \$20,000.00 for the period August 14, 1963 to August 14, 1964, application approved on June 15, 1963, Dr. J. M. Sivertsen, Mines and Metallurgy, filed supplement to the minutes, page 16,131

Nonr 710 (57) for research on Film Cooling, allotting funds in the amount of \$36,024.00 for the period October 1, 1963 to September 30, 1964, application approved on July 12, 1963, Dr. E. R. G. Eckert, Mechanical Engineering, filed supplement to the minutes, page 16,132

N600 (167) 61308 (X) for Experimental and Analytical Work Relating to Laboratory Wave Generation and Measurement, allotting funds in the amount of \$25,000.00 for the period October 1, 1963 to September 30, 1964, application on current docket, Dr. Edward Silberman, Acting Director, St. Anthony Falls Hydraulic Laboratory, filed supplement to the minutes, page 16,133

N600 (167) 61308, Modification No. 1 changing overhead rate, Dr. Edward Silberman, Acting Director, St. Anthony Falls Hydraulic Laboratory, filed supplement to the minutes, page 16,134

Nobsr-63172, Modification No. 15 fixing overhead rate for the period July 1, 1961 through June 30, 1962, Dr. W. G. Shepherd, Electrical Engineering, filed supplement to the minutes, page 16,135

Nobs-86783, Modification No. 3 fixing overhead rate for the period June 15, 1962 through June 30, 1962, Dr. Robert Plunkett, Aeronautics and Engineering Mechanics, filed supplement to the minutes, page 16,136

Nobs 84620, Modification No. 4 fixing overhead rate for the period March 23, 1961 through June 30, 1962, Dr. M. E. Nicholson, Chemical Engineering, filed supplement to the minutes, page 16,137

U.S. Department of Interior

14-17-0001-960 for Study of Interrelationships Between Endocrine Functions and Metabolism of Marine Oils, allotting funds in the amount of \$21,000.00 for the period November 1, 1963 to October 31, 1964, Dr. W. O. Lundberg, Director, Hormel Institute, filed supplement to the minutes, page 16,138

U.S. National Aeronautics and Space Administration

NAS 8-1698, Modification No. 3 allotting funds in the amount of \$793.82 and providing final overhead rate for fiscal years ending June 30, 1961 and June 30, 1962, application approval on February 8, 1963, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,139

NsG-554, for Measurement of Photosynthetic and Respiratory Rates for the Purpose of Defining and Verifying an Experiment Suitable for Use in a Biosatellite, allotting funds in the amount of \$35,698.20 for the period September 15, 1963 to September 14, 1964, application approved September 20, 1963, Dr. H. M. Tsuchiya, Chemical Engineering, filed supplement to the minutes, page 16,140

National Science Foundation

GB-1755 for research on Ecology of Anarete Swarms, allotting funds in the amount of \$25,000.00, Dr. H. C. Chiang, Entomology, Fisheries and Wildlife, filed supplement to the minutes, page 16,141

GB-1781 for research on Stimulus Configuration and Depth Perception, allotting funds in the amount of \$2,100.00, Dr. Bruce E. Dunn, Psychology, Morris, filed supplement to the minutes, page 16,142

GE-3422 for Academic Year Institute in Radiation Biology, allotting funds in the amount of \$56,000.00, Dr. Richard S. Caldecott, Agronomy and Plant Genetics, filed supplement to the minutes, page 16,143

GE-3557 for Academic Year Institute in Biology for High School Teachers of Biology, allotting funds in the amount of \$148,600.00, Dr. A. J. Linck, Plant Pathology and Physiology, filed supplement to the minutes, page 16,144

GP-2281 for Dirichlet Series in Number Theory, allotting funds in the amount of \$13,200.00, Dr. Steven A. Gaal, Mathematics, Institute of Technology, filed supplement to the minutes, page 16,145

U.S. Peace Corps

PC-(W)-271 for Development of Language Materials in Urdu, allotting funds in the amount of \$11,716.71 for the period November 1, 1963 to February 29, 1964, Dr. Anne Wirt, Agricultural Extension Division, filed supplement to the minutes, page 16,146

U.S. Public Health Service

AI-03877-04, renewal of research on Renal and Hepatic Function in Leptospirosis, allotting funds in the amount of \$26,757.00, Dr. Donald G. Low, and Dr. George W. Mather, Veterinary Medicine

AI-20,550-01 for Metabolic Studies of Leptospirae, allotting funds in the amount of \$500.00, Dr. Palmer Rogers for Dr. Russell Johnson, Microbiology, filed supplement to the minutes, page 16,147

AM-06841-02, renewal of Quantitative Enzymatic Analysis of Tissue Glycogen, allotting funds in the amount of \$20,472.00, Dr. Ramon M. Fusaro, Dermatology

AM-17,513-02, renewal of research on Sex Hormones and Peptic Ulceration, allotting funds in the amount of \$500.00, Dr. Owen H. Wangensteen for Dr. Nelson Stone, Surgery

CA-523-17, renewal of Cancer Teaching and Clinical Cancer Research, allotting funds in the amount of \$25,000.00, Dr. J. B. Aust, Surgery

CA-00721-16, renewal of Polarographic Studies of Cancer, allotting funds in the amount of \$18,720.00, Dr. I. Kolthoff, Chemistry

GM-10900-03, renewal of research on Energetics of Protein Structure, allotting funds in the amount of \$41,400.00, Dr. Donald Wetlaufer, Biochemistry

GM-K3-16,321-02, renewal of Research Career Development, allotting funds in the amount of \$16,348.00, Dr. Maurice B. Visscher for Dr. Rodney Harvey, Physiology

HE-05695-04, renewal of Test of Warfarin vs. Heparin, allotting funds in the amount of \$21,313.00, Dr. Jacob E. Bearman, School of Public Health

HE-05754-04, renewal of Chronic Respiratory Alkalosis, allotting funds in the amount of \$20,194.00, Dr. A. Eichenholz, Radioisotope Service—Veterans Hospital

MH-03536-05, renewal of research on Infantile Trauma, allotting funds in the amount of \$27,110.00, Dr. Gardner Lindzey, Psychology

7 F1 MH-15,804-02, Predoctoral Fellowship—Herbert P. Ginsburg in the amount of \$5,000.00, Dean Bryce Crawford, Graduate School, filed supplement to the minutes, page 16,148

5 F1 MH-16,208-02, Predoctoral Fellowship—Lauren Harris in the amount of \$4,500.00, Dean Bryce Crawford, Graduate School, filed supplement to the minutes, page 16,149

1 F1 MH-21,814-01, Predoctoral Fellowship—Robert L. Opsahl in the amount of \$4,300.00, Dean Bryce Crawford, Graduate School, filed supplement to the minutes, page 16,150

NB-5002-1432 for Training in Neurology, supplementing funds in the amount of \$1,088.00, Dr. A. B. Baker, Neurology

NB-04403-02, renewal of Determination of Susceptibility to Hearing Loss, allotting funds in the amount of \$19,524.00, Dr. W. Dixon Ward and Dr. Lawrence Boies, Otolaryngology

U.S. Vocational Rehabilitation Administration

18T-64 for Training in the Field of Rehabilitation, supplementing funds in the amount of \$378.00, Dr. Lloyd Lofquist, Psychology

VRA 6424 for Short Term Training Course for Representatives of School of Social Work Receiving Training Grants, allotting funds in the amount of \$24,800.00, for the period November 18, 1963 to September 30, 1964, Dr. John Kidneigh, School of Social Work, filed supplement to the minutes, page 16,151

Instruction Contracts

U.S. Army, Procurement—DA-21-027-AV-1701 for Army ROTC Flight Training, allotting funds in the amount of \$2,521.09 for the period September 23, 1963 to June 13, 1964, Mr. W. O. Cook, Plant Services, filed supplement to the minutes, page 16,152

Nongovernmental Research

Litton Systems, Inc. P.O. No. 10436 for Rental of 10" Subsonic Blow-down Wind Tunnel, allotting funds in the amount of \$884.76 for an indefinite period, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,153

Litton Systems, Inc. P.O. No. 10542 for rental of Spray Tank, allotting funds in the amount of \$1,295.00 for the period November 11, 1963 to November 25, 1963, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,154

Minneapolis Honeywell Regulator Company, P.O. No. 128246, Change Order No. 1 increasing funds in the amount of \$2,276.89, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,155

Minneapolis Honeywell Regulator Company, P.O. No. 132625 for Subsonic Tunnel Rental, allotting funds in the amount of \$805.00, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,156

Minneapolis-Honeywell Regulator Company., P. O. No. 132609 for Rental of Transonic Tunnel and Technician Assistance, allotting funds in the amount of \$1,556.90, Mr. Sheldon Vick, Aeronautical Hypersonic Laboratory, Rosemount, filed supplement to the minutes, page 16,157

Minnesota Chapter, National Cystic Fibrosis Research Foundation for Research and Teaching Center, allotting funds in the amount of \$2,500.00, Dr. Warren J. Warwick and Dr. John A. Anderson, Pediatrics, filed supplement to the minutes, page 16,158

Jay and Rose Phillips Fund for Surgical Research, allotting funds in the amount of \$10,000.00, Dr. Owen Wangenstein, Surgery, filed supplement to the minutes, page 16,159

Pioneer Hi-Bred Corn Co., for research on Avian Cytogenetics, allotting funds in the amount of \$1,500.00, Dr. Robert Shoffner, Poultry Science, filed supplement to the minutes, page 16,160

Solar-Air Corporation, for studies on Farm Waste Disposal, allotting funds in the amount of \$1,200.00, Dr. C. L. Cole, Dairy Husbandry, filed supplement to the minutes, page 16,161

GIFTS

Voted to accept with thanks the following gifts:

Research

Donor Estate of Bernyce E. Christensen
Amount \$15,952.02
Fund Bernyce E. Christensen Cancer Research
Purpose To support cancer research in the Medical School in accordance with the statement filed supplement to the minutes, page 16,162

Donor Estate of Elizabeth Provencher
Amount \$5,000.00
Fund Frank E. Burch Research Fund for Ophthalmology

Donors Various
Amount \$371.00
Fund Fund for Research in Cancer

Donors Various
Amount \$322.50
Fund Heart Disease Research Fund

Donors Various
Amount \$45.00
Fund Cancer Research Department of Medicine

Donor Amount Fund Minnesota Medical Foundation \$25.00 Hal Downey Memorial Fund for Research on Blood and Blood Diseases

Scholarships, Fellowships, Prizes and Awards

Donor Amount Fund Estate of William W. Stout \$10,012.15 William W. Stout Memorial Graduate Scholarships

Donor Amount Fund Control Data Corporation \$5,000.00 Control Data Corporation Fund in Electrical Engineering

Donors Amount Fund Various \$2,135.50 All-University Scholarships

Donor Amount Fund National Society of Colonial Dames of America in the State of Minnesota \$1,000.00 National Society of Colonial Dames of America in the State of Minnesota Fund

Donor Amount Fund Central Exchange Fund \$1,000.00 Agriculture Barter for College Loan Fund, University of Minnesota, Morris (\$800.00) Agriculture Barter for College Scholarship Fund, University of Minnesota, Morris (\$200.00)

Donor Amount Fund Miss Julia Marshall \$650.00 Julia Marshall Scholarship Fund

Donor Amount Fund Tobacco Industry Research Committee \$600.00 Medical Student Summer Research Fellowships

Donor Amount Fund Haskins & Sells Foundation \$500.00 Haskins & Sells Foundation, Inc. Scholarship

Donor Amount Fund Purpose Golf Course Superintendents Association of America \$400.00 Golf Course Superintendents Association of America Scholarship To support student scholarships in the Department of Horticultural Science in accordance with the statement filed supplement to the minutes, page 16,163

Donors Amount Fund Various \$340.00 General Scholarship Fund, University of Minnesota, Morris

Donors Amount Fund Various \$335.55 American Institute of Chemical Engineers Scholarship

Donor Amount Fund United Northern Sportsmen \$300.00 United Northern Sportsmen Scholarship

Donors Amount Fund	Various \$275.00 Norwegian-American Graduate Fellowship Fund
Donor Amount Fund	Ochs Brick and Tile Company \$250.00 Ochs Brick and Tile Company Scholarship
Donor Amount Fund	Junior Achievement of St. Paul \$250.00 St. Paul Junior Achievement Scholarship
Donor Amount Fund	Andresen-Ryan Coffee Company \$250.00 Andresen-Ryan Coffee Company Scholarship
Donor Amount Fund	Duluth Kiwanis Club \$225.00 Duluth Campus Scholarship Fund
Donor Amount Fund	St. Paul Campus Student Council of Religions \$154.80 University of Minnesota International Exchange Scholarship
Donors Amount Fund	Various \$130.00 North Star Scholarship Fund
Donor Amount Fund	Alpha Phi Fraternity \$50.00 Duluth Foreign Student Development Fund
Donor Amount Fund	Dr. Charles J. Martell \$21.95 General Loan Fund
Donor Amount Fund	Mrs. Leonore Kaplan \$15.00 Sidney J. Kaplan Legal Scholarship Fund
Donors Amount Fund	Various \$10.00 Ronald J. Nemer Law Scholarship Fund
Donor Amount Fund	Peter A. Hoff \$1.40 Gilfillan Loan Fund

Miscellaneous

Donors Amount Fund	Various \$15,000.00 (Pledges) Diehl Hall Addition—Psychiatry and Neurology
Donors Amount Fund	Various \$3,498.71 Variety Club Heart Hospital Equipment Fund
Donors Amount Fund	Various \$3,068.17 4-H Revolving Fund

Donor	General Mills, Inc.
Amount	\$3000.00
Fund	General Mills, Grant-in-Aid, Chemical Engineering
Purpose	To support the activities of the Department of Chemical Engineering in accordance with the statement filed supplement to the minutes, page 16,164
Donor	Louis W. and Maud Hill Family Foundation
Amount	\$2,000.00
Fund	Louis W. and Maud Hill Family Foundation Faculty Seminar
Purpose	To support an off-campus faculty seminar for members of the Medical School faculty in accordance with the statement filed supplement to the minutes, page 16,165
Donors	Various
Amount	\$849.21
Fund	McQuarrie Pediatrics Fund
Donor	Dr. Henry B. Clark, Jr.
Amount	\$515.00
Fund	Oral Surgery Service Fund
Donor	Minneapolis-Honeywell Regulator Company
Amount	\$300.00
Fund	Gerontological Society Meeting
Purpose	Initial contribution to support the activities of the 1964 annual meeting of the Gerontological Society in accordance with the statement filed supplement to the minutes, page 16,166
Donors	Various
Amount	\$250.50
Fund	Masonic Memorial Hospital Equipment Fund
Donor	Mr. Arthur Hartwell
Amount	\$25.00
Fund	Museum of Natural History Addition
Donor	Dr. Ancel Keys
Amount	\$20.00
Fund	Diehl Hall Addition—Biomedical Library
Donor	Anne Somers
Amount	\$10.00
Fund	Van Steenwyk Memorial Fund
Gift	The Texas Instruments Foundation has contributed semiconductor devices valued at \$3,741 to the Department of Electrical Engineering.
Gift	A contribution of semiconductor devices which have been received by the Department of Electrical Engineering, from Mr. Richard E. Lee, President of Siliconix Incorporated. The value of this gift is \$2,126.50.
Gift	A contribution of an internal combustion engine valued at \$397.90 from the Onan Division of Studebaker Corporation to the Department of Mechanical Engineering.

NONCAMPUS SERVICE

Voted to approve the following requests for noncampus service:

College of Medical Sciences

N L Gault, Jr., M.D., Assistant Dean and Associate Professor, Department of Medical Administration, to serve as a consultant to the National Foundation, New York, New York. Period of service indefinite

Ruth E. Grout, Professor, School of Public Health, to serve as a consultant to UNESCO—World Health Organization, Health Education Section, Geneva, Switzerland, from October 13, 1963 to January 15, 1964

College of Pharmacy

George P. Hager, Dean and Professor, to participate on the Advisory Committee to the Army Chemical Information and Data System, Army Research Office, Arlington 4, Virginia, from November 15, 1963 to indefinite

Institute of Technology

Herbert S. Isbin, Professor and Associate Head, Department of Chemical Engineering, to serve as a consultant to Northern States Power, Minneapolis, Minnesota, from November, 1963 to indefinite

Richard C. Jordan, Professor and Head, Department of Mechanical Engineering, to serve as a consultant to the Turbomatic, Incorporated, Minneapolis, Minnesota, from November 15, 1963 to indefinite

Richard A. Swalin, Professor and Head, School of Mineral and Metallurgical Engineering, to serve as a consultant to the Honeywell Research Center, Hopkins, Minnesota, from January 1, 1964 to September 30, 1964

Russell Stuart Tobias, Associate Professor, Department of Inorganic Chemistry, to serve as a consultant to the Socony Mobil Oil Company, Inc., New York, New York, from January 1, 1964 to December 31, 1964

APPOINTMENT

On the recommendation of the Vice President, Academic Administration, and the President, voted to approve the appointment of Anne L. Wirt as Assistant to the Vice President, Academic Administration, \$13,000 Term A, effective December 16, 1963.

CORRESPONDENCE RECEIVED

The Vice President, Business Administration, reported for the information of the Board, the receipt of a letter of thanks from Simon C. Ryan, an alumnus of St. John's University, for playing the football game against Wisconsin on Thanksgiving Day rather than conflicting with St. John's game on the following Saturday.

ACADEMIC FREEDOM

The President reported for the information of the Board, the receipt of several letters addressed to the Regents regarding academic freedom at the University of Minnesota.

After a complete discussion of the subject of academic freedom, the Board voted unanimously to adopt the following policy statement:

We, as the Board of Regents, are responsible to the public for the health and vitality of the University. It is our responsibility to inquire continuously into the conduct of the University to make sure this health and vitality are preserved.

The University community is a city of more than fifty thousand people; they come from every part of the country; of the undergraduates, 94 per cent come from somewhere in Minnesota. They represent a cross section of our population, differing from a random cross section only because they are especially selected for intellectual interests and intellectual competence. We assume that almost every type of political conviction is to be found among them, just as in any city of fifty thousand adults one would expect to find the complete variety of political, social, economic, and religious beliefs.

The University, the city, and the state do have facilities to ensure order in such a community. For varying problems of public safety we have provided for us a University security staff, a city police, and the Federal Bureau of Investigation. We have confidence in the effectiveness of these law enforcement agents, and we cooperate with them. We believe the American community is fundamentally law abiding; that it abhors both resort to violence in the affairs of men, and the use of extra legal methods in the examination of alleged violations of law.

Of all crimes or violations, the American philosophy and tradition require that we assume the citizen innocent until proved guilty. We believe it proper that the University leave the law enforcement role in American society to established law enforcement agencies. The University's tasks are learning, research, constructive criticism, and intellectual inquiry. By fulfilling its role, the University makes its contribution to public order by nourishing devotion to the rule of reason in the conduct of human affairs.

It cannot be too strongly stated that the only atmosphere in which a university can fulfill its assigned role is the atmosphere of freedom. Nor is it surprising that in America, where free discussion is the first principle of our political faith, universities have flourished best, and have at the same time made the most remarkable contribution to the public good. Those universities contributing most have been those which are most free. From the first days of our independence the giants of American history have revered the principle of free speech; they have had enough faith in our form of government to state affirmatively that if truth and error were allowed to contest in free debate, truth would triumph. They have also recognized that any effort to close by force a free discussion is destructive of the dictator and of those dictated to. The first is poisoned by power; the latter is denied a share in the public dialogue. The man denied participation in free discussion loses, at the very least, his participating right as a citizen, but he may also be robbed of the dignity and self respect which freedom encourages.

The inherent validity of free competition among ideas is as apparent in the economic community as in the educational community. No one who has observed the development of the American economy can deny the efficiency of freedom. But perhaps an example of the creativity of freedom in the economic marketplace will serve to clarify the importance of freedom

to the marketplace of ideas. As recently as forty years ago, the typical market was a corner grocery store. Whether found in the country or city it was heated by a potbellied stove, its aisles were crowded, its shelves crammed. Its proprietor helped each customer through the wilderness of items one by one. Gradually, in a kind of merchandising conversation, the entire enterprise was changed. One merchant, to increase the attraction of his business, widened the aisles; he was answered by a competitor who lowered shelves to put all items within easy reach; he in turn was answered by another who encouraged self service. Step by step the modern supermarket was born. But no one firm jumped directly from the narrow, crowded, confused grocery store of 1920 to the specially designed supermarket of today. It required a merchant's conversation in which free men challenged and answered each other in a free and competitive atmosphere.

The marketplace of ideas is comparable, but even more dependent upon a completely free conversation. The student and the professor must live in an atmosphere where questioning is encouraged; where every alternative can be explored; where their free minds may be allowed to test the validity of each idea, and where they feel free to follow wherever truth may lead. Such a free atmosphere is not only merely necessary to university freedom; it is also the way of life which we have a right to associate with America. To ask that the University be respected in its right to this freedom is not to ask for special privilege, but rather to ask for the opportunity to demonstrate the efficiency of the freedom in which we all believe and for which so many brave Americans have died. The most American activity of them all is to think, to speak and to inquire freely. The un-American activity is to deny such freedom.

A university must cherish freedom or be untrue to its own nature. Equally it cherishes responsibility, the natural corollary of freedom. In this connection the Regents endorse the following statement adopted by the Association of American Universities in 1953 and reprinted in 1962:*

"Historically the word 'university' is a guarantee of standards. It implies endorsement not of its members' views but of their capability and integrity. Every scholar has an obligation to maintain this reputation. By ill-advised, though not illegal, public acts or utterances he may do serious harm to his profession, his university, to education, and to the general welfare. He bears a heavy responsibility to weigh the validity of his opinions and the manner in which they are expressed. His effectiveness, both as scholar and teacher, is not reduced but enhanced if he has the humility and the wisdom to recognize the fallibility of his own judgment. He should remember that he is as much a layman as anyone else in all fields except those in which he has special competence. Others, both within and without the university, are as free to criticize his opinions as he is free to express them."

University teachers, as teachers, are judged for scholarly competence by their peers from the moment they aspire to membership on a faculty. The demands of such judgment are heavy, for the academic profession insists that its members be both skillful and devoted in their search for truth. The profession grants status and tenure to its members in proportion to their publicly demonstrated competence within a given academic discipline. And just as the medical profession must assume responsibility for establishing the standards of competence which admit members to the practice of medicine, so must the academic profession assume responsibility for establishing the standards of competence which qualify its members for the practice of teaching.

* The Rights and Responsibilities of Universities and Their Faculties.

Just as the atmosphere of freedom within a university is the best guarantee of productive and responsible instruction, so also is it the best guarantee that students will grow toward responsible citizenship. A free society calls for citizens well schooled in the wisdom traditional to that society. It also calls for citizens accustomed to grappling with new ideas, to participating in the give and take of public discussion, and to assuming public responsibility for one's own thinking. Students properly assert their right to learn responsibilities of choice and decision which they must bear as citizens, and the free university properly provides the most appropriate setting for such learning.

We cannot emphasize too strongly the importance of a free university to the development of citizens able to carry responsibility in a free society. The dangers of fanatic, angry and irrational behavior were brought home to every American with the assassination of President Kennedy. It is time for Americans to draw closer together in dedication to our national goals. These include continued freedom, concern for the rights of others, political and spiritual tolerance, equality of opportunity, equality before the law and protection from the law's delays, and access to the blessings of justice and public order. These goals will not be won through angry and emotional outbursts which divide our people.

They can be won by systematic, rational, and thoughtful analysis of the obstacles to our national purposes. The university is of paramount importance to our nation as it seeks to bring the methods of reason to bear upon our problems—to find better means to public peace, as well as more effective ways to deter threats of violence which may be directed toward our nation. To do its rational work wisely, a university by its very nature requires freedom to inquire.

The people of Minnesota have been wise in their support of education. Their agricultural and industrial economy, as well as their public peace and safety, are the better because of this wisdom. The University, operating in an atmosphere of freedom, has made great contributions to the healthy, stable society of which we are all now so proud. We as Regents are satisfied that to a very high degree the faculty of the University, and its administration, understand the mission of the University and are using their freedom responsibly. We are satisfied that the existing agencies for enforcement of law and the protection of natural peace and safety are alert and adequate to their tasks. We are also sure that the University officials are prepared to and do cooperate with them in assuring national safety. We are impressed by the great responsibilities related to our national safety and prosperity that are continuously entrusted to the University personnel, and we wish to take this opportunity to reaffirm our faith in the University and in the efficiency of freedom.

REPORT

The President called attention for the information of the Board, the receipt of the report of the Minnesota State Horticultural Society Fruit Breeding Farm Visitor's Committee for 1963. Report filed supplement to the minutes, page 16,167.

EASEMENT AGREEMENT

On the recommendation of the Vice President, Business Administration, and the President, voted to authorize the appropriate administrative officers to execute an easement agreement with the Northern States Power Company granting the privilege

to construct, operate, and maintain an electric transmission line for a period of 20 years across a portion of the Rosemount Research Center. The consideration for the above easement is \$2,750. Copy of easement agreement filed supplement to the minutes, page 16,168.

RESOLUTION

Voted on the recommendation of the Vice President, Business Administration, and the President, to approve the following resolution. Correspondence filed supplement to the minutes, page 16,168A.

Whereas the Regents did apply on August 27, 1963 to the John A. Hartford Foundation, Inc. for a grant for the exclusive use of the University of Minnesota Medical School for a study of physiological and therapeutic inter-relationships of esophagus, stomach and liver; and

Whereas the Foundation did approve a grant of \$164,787 for the above purposes subject to the terms and conditions outlined in its letter of December 3, 1963: Now, therefore, be it

Resolved, That the Regents of the University of Minnesota accept the above grant subject to the conditions outlined in the letter of December 3, 1963, and accordingly instruct the appropriate administrative officers to execute the necessary documents to implement this resolution.

SUPPORT FUND FOR MEDICAL HISTORY

At its meeting of September 20, 1963, the Board approved the conditions of a gift to create a Support Fund of Medical History. The Vice President, Business Administration reported for the information of the Board that the formal agreement establishing the above fund had been executed and that securities with a market value of \$91,935.18 to support the fund had been transferred to the University.

GIFTS

The Vice President, Business Administration, reported an offer from Reserve Mining Company to donate a Lockheed Super Ventura nine-passenger executive airplane to the Regents. Voted, on the recommendation of the Vice President, Business Administration, and the President, to accept the gift of the above airplane and to authorize the appropriate administrative officials to execute the necessary papers for its transfer.

The President called attention for the information of the Board to the purchase and donation to the University of a collection of trophies from the Earle Brown Estate by Regent Lester A. Malkerson for display in an appropriate manner in the proposed Earle Brown Short Course Building. The Board voted to accept the gift and extend its appreciation to Mr. Malkerson for it.

EARLE BROWN ESTATE

The Vice President, Business Administration reported on the receipt of an informal inquiry from the executors of the estate of the late Earle Brown concerning the attitude of the Regents toward accepting title to the Earle Brown property in Brooklyn Center prior to March 12, 1964. Voted, on the recommendation of the Vice President, Business Administration, and the President, to authorize the appropriate administrative officers to accept the title to the Earle Brown property in Brooklyn Center any time prior to March 12, 1964 if such an offer is tendered by the executors of the estate with the understanding that tax abatement proceedings will be instituted immediately and if taxes other than special assessments are due they are to be paid by the above executors.

GENERAL FACULTY—INSTITUTE OF TECHNOLOGY

In creating the Institute of Technology at its meeting of October 19, 1935, the Board of Regents defined the "General Faculty" of the Institute of Technology as follows:

The General Faculty shall consist of assistant deans and all the members of the teaching staff above the rank of assistant professor, and in addition the full professors of the departments of Physics, Geology, and Mathematics.

With the unanimous concurrence of the faculty of the Institute of Technology and at the request of the Dean, and the recommendation of the President, voted to amend the above action as follows:

The General Faculty shall consist of all members of the academic staff on regular appointment at the rank of assistant professor (or research associate) and above. In addition, by action of the Institute of Technology faculty, individual staff members of the other colleges of the University or the staff members of individual divisions, departments, or other units of the University may become regular voting members of the General Faculty of the Institute of Technology.

ADMINISTRATION CONSOLIDATION

The Senate Committee on Educational Policy recommend the following which was endorsed by the Senate at the meeting of December 5, 1963:

1. The unification of mathematics as a single department within the budget structure of the Institute of Technology
2. The Statistics Department remain within the budget structure of the College of Liberal Arts; and that appropriate members of the Statistics Department have full citizenship and voting participation in a unified mathematics department

Voted, on the recommendation of the Vice President, Academic Administration, and the President, to approve the above actions, effective December 16, 1963.

REPORT

The President presented for the information of the Board, a report entitled, "From Retrospect to Prospect," prepared by the Bureau of Field Studies and Surveys of the College of Education concerning the Northwest School of Agriculture, Crookston. The President indicated that the above report would be the subject of discussion and action at a future meeting of the Board.

FORD FOUNDATION

The President reported for the information of the Board on negotiations with the Ford Foundation leading to the possible development of exchange and assistance programs with Frederico Santa Maria Technical University and the University of Concepcion in Chile.

UNIVERSITY OF MINNESOTA FOUNDATION

Voted, on the recommendation of the President, and in accordance with the By-Laws of the University of Minnesota Foundation to re-elect Regent Lester A. Malkerson and Mr. Stanley J. Wenberg to the Board of Trustees of the University of Minnesota Foundation for a term of four years following the expiration of their present one-year terms.

TENURE CODE EXCEPTION

Voted, on the recommendation of the Vice President, Academic Administration, and the President, to continue the services of the following instructors for the academic year 1964-65, under Section 7 of the Faculty Tenure Regulations:

Mr. Kenneth Egertson, Agricultural Extension Service
Mr. Lowell D. Hanson, Agricultural Extension Service
Mr. Robert Jackson, Elementary Education, College of Education
Mr. Robert G. Lindsay, School of Journalism, College of Liberal Arts
Miss Lois A. Lund, School of Home Economics, Institute of Agriculture

APPLICATIONS FOR CONTRACTS AND GRANTS

Voted to approve applications for contracts and grants totaling \$2,838,409.59; list filed supplement to the minutes, page 16,169.

LICENSE AGREEMENT

Voted, on the recommendation of the Vice President, Business Administration, and the President, to approve a license agreement relating to Application No. 323,780 on the subject of Heat Sensing Probe and Process with the following parties, filed supplement to the minutes, page 16,170:

Thermo-Systems, Inc.
2418 East Hennepin Avenue
Minneapolis, Minnesota

REGENTS-INVENTOR AGREEMENT

Voted, on the recommendation of the Vice President, Business Administration, and the President, to approve an agreement with a staff inventor relating to the following invention, filed supplement to the minutes, page 16,171:

Application of: Perry L. Blackshear, et al
Serial No.: 323,780
Filing Date: November 14, 1963
Title: HEAT SENSING PROBE AND PROCESS

PATENT ASSIGNMENT

The Vice President, Business Administration reported for the information of the Board the receipt of an assignment conveying title to the following Patent Application, filed supplement to the minutes, page 16,172:

Application of: Roy H. Mattson
Serial No.: 312,223
Filing Date: September 27, 1963
Title: NEURISTOR

SCHOOL SURVEY AGREEMENTS

At the request of the Acting Dean, College of Education and on the recommendation of the Vice President, Business Administration and the President, voted to approve the following agreements for school surveys to be conducted by the Bureau of Field Studies and Surveys, filed supplement to the minutes, pages 16,173 and 16,174:

Independent School District No. 278, Orono, Minnesota
Special School District No. 5, Winona, Minnesota

BIDS

On the recommendation of the Vice President, Business Administration, and the President, voted to authorize acceptance

of the following low bids for the Campus Club Addition to the Kirby Student Center at Duluth, and for the remodeling and new addition to the Kirby Student Center Building, filed supplement to the minutes, page 16,175.

Campus Club Addition

General

J. D. Harrold Company
405 East Superior Street
Duluth, Minnesota

Base Bid "B"	\$ 57,121	
Alt. GB-2, for omitting movable partitions in room 200, Deduct	3,275	
Less allowance for combined bids for award of both contracts	350	
Net Bid		\$ 53,496

Mechanical (including plumbing, heating, and ventilating)

A. G. O'Brien Plumbing & Heating Company
722 East 9th Street
Duluth 5, Minnesota

Base Bid "B"	\$ 12,247	
Less allowance for combined bids for award of both contracts	250	
Net Bid		\$ 11,997

Electrical Installation

Universal Electric Company
407 East Superior Street
Duluth 2, Minnesota

Base Bid "B"	\$ 6,108	
Net Bid		\$ 6,108
Total of the Above Low Bids		\$ 71,601

Non-Building Costs

Architects' and engineers' fees	\$ 4,400	
Supervision of construction	1,200	
Allowance for furniture and carpeting..	13,260	
Allowance for kitchen and serving equipment	6,800	

Outside work involving changing of utilities, etc.	1,260	
Total of the Non-Building Costs		\$ 26,920
Total of the Above Costs		\$ 98,521
Allowance for Contingencies		2,679
GRAND TOTAL OF ALL ABOVE COSTS		\$101,200

Source of Funds:

1. Gifts and pledges, including commitment by Mr. R. L. Griggs	\$ 92,600	
2. University funds, involving the relocation of the telephone equipment room from the Science Building Addition into basement space made possible by this project	8,600	
Total		\$101,200

Remodeling and Addition to the Kirby Student Center

General

J. D. Harrold Company
405 East Superior Street
Duluth, Minnesota

Base Bid "A"	\$114,800	
Less allowance for combined bids for award of both contracts	750	
Net Bid		\$114,050

Mechanical (including plumbing, heating, and ventilating)

A. G. O'Brien Plumbing & Heating Company
722 East 9th Street
Duluth 5, Minnesota

Base Bid "A"	\$ 26,953	
Less allowance for combined bids for award of both contracts	500	
Net Bid		\$ 26,453

Electrical Installation

Universal Electric Company
407 East Superior Street
Duluth 2, Minnesota

Base Bid "A"	\$ 17,634	
Net Bid		\$ 17,634
Total of the Above Bids		\$158,137

Non-Building Costs

Architects' and engineers' fees	\$ 12,000
Supervision of construction	3,000
Allowance for cafeteria serving area and bag lunch area equipment	38,950
Allowance for floor covering installa- tion, to be awarded later	5,000
	<hr/>
Total of the Non-Building Costs	\$ 58,950
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Total of the Above Costs	\$217,087
Allowance for Contingencies	5,000
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GRAND TOTAL OF ALL ABOVE COSTS	\$222,087

Source of Funds:

Funds for this project are being provided from the Services Improvement Reserve —Duluth, budget 0510-0906-2	\$222,087
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Both of these projects are scheduled for completion on September 2, 1964.

ACQUISITION OF PROPERTY

Voted, on the recommendation of the Vice President, Business Administration, and the President to acquire the following property parcels:

Fred Marty property located at 400 20th Avenue South (consisting of 41.25 feet frontage by 66 feet totaling 2,722 square feet) for the purchase price of \$12,500. Source of funds for this purchase will be the annual land budget. Appraisals filed supplement to the minutes, page 16,176

Oscar E. Stenholm property located at 2023 Third Street South (consisting of 45 feet frontage by 165 feet totaling 7,425 square feet) for the purchase price of \$12,200. Source of funds for this purchase will be the 1963 Legislative appropriation. Appraisals filed supplement to the minutes, page 16,177

Lloyd L. Walker property located at 2007 Third Street South (consisting of 39 feet on Third Street, 165 feet in depth, totaling 5,435 square feet) for the purchase price of \$10,275. Source of funds for this purchase will be the 1963 Legislative appropriation. Appraisals filed supplement to the minutes, page 16,178

SECURITIES TRANSACTIONS

Voted to approve the following securities transactions of the Investments Committee, September 1, 1963, through October 31, 1963.

ACQUISITIONS

Purchases—Corporate Bonds

Group Investments Fund

Par Value	Security	Maturity	Cost
\$ 300,000.00	Dow Chemical Company Debentures, 4.35%	9-15-88	\$ 300,000.00
250,000.00	Northern States Power Company First Mortgage Bonds, 4¾%	9-1-93	249,687.50

Permanent University Fund

600,000.00	General Acceptance Corporation Senior Notes, 4⅞%	10-1-68	600,000.00
600,000.00	Lone Star Gas Company Sinking Fund Debentures, 4¾%	9-1-88	591,000.00
200,000.00	Northern States Power Company First Mortgage Bonds, 4¾%	9-1-93	199,750.00
240,000.00	Trailer Train Equipment Trust Cer- tificates, Series 3, 4½%	7-1-68	240,000.00
145,000.00	Trailer Train Equipment Trust Cer- tificates, Series 3, 4½%	7-1-69	145,000.00

Temporary Investment Pool

200,000.00	New York, Chicago, & St. Louis Railroad Equipment Trust Certifi- cates, 4¾%	4-15-68	201,006.00
250,000.00	Norfolk & Western Railway Equip- ment Trust Certificates, Series K, 4¾%	7-1-68	249,182.50

Purchase—Certificate of Deposits

Temporary Investment Pool

500,000.00	First National Bank, Minneapolis, 3.75%	4-15-64	500,000.00
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Purchases—Commercial Paper

Group Investments Fund

250,000.00	Export Finance Corporation of Canada, Ltd., 4%	1-8-64	250,000.00
231,953.13	Singer Credit of Canada, Ltd.	3-24-64	227,063.31

Temporary Investment Pool

250,000.00	Allis-Chalmers Credit Corporation.....	12-13-63	247,526.04
500,000.00	American Investments Company of Illinois	2-28-64	493,111.11

Purchases—Commercial Paper

Temporary Investment Pool

Par Value	Security	Maturity	Cost
400,000.00	Associates Investment Company	10-15-63	399,516.67
500,000.00	B-W Acceptance Corporation	2-14-64	493,595.49
250,000.00	B-W Acceptance Corporation	2-28-64	246,717.02
500,000.00	Central Soya Company, Inc.	12-27-63	494,166.67
500,000.00	C. I. T. Financial Corporation	10-1-63	499,597.22
500,000.00	C. I. T. Financial Corporation	10-15-63	499,647.57
250,000.00	C. I. T. Financial Corporation	10-22-63	249,672.74
500,000.00	Clark Equipment Company	1-31-64	492,343.75
500,000.00	E. A. C. Credit Corporation	12-13-63	494,895.84
250,000.00	Export Finance Corporation of Canada, Ltd.	12-13-63	247,362.85
250,000.00	Family Finance Corporation	12-13-63	247,369.80
500,000.00	General Acceptance Corporation	1-31-64	492,343.75
500,000.00	Genesco, Inc.	12-30-63	494,010.42
250,000.00	Green Giant Company	1-10-64	246,796.88
250,000.00	Heller, Walter E. & Company	4-15-64	244,887.15
250,000.00	International Harvester Credit Corporation	4-30-64	244,322.05
500,000.00	Kayser-Roth Corporation	2-14-64	492,788.19
250,000.00	Machinery Investment Corporation.....	1-31-64	246,582.47
500,000.00	Macy Credit Corporation	12-13-63	495,052.08
500,000.00	Maguire, John P. & Company	1-31-64	493,434.03
500,000.00	Marathon Finance Corporation	12-6-63	495,781.25
250,000.00	Midwest Finance Company	2-14-64	246,416.65
250,000.00	Munsingwear, Inc.	12-13-63	247,604.17
250,000.00	Northrup, King & Company	3-13-64	246,232.64
250,000.00	Peavey, F. H. & Company	1-31-64	246,044.27
500,000.00	Rexall Drug & Chemical Company ...	12-30-63	494,010.42
500,000.00	Savings Bank Trust Company	2-14-64	493,697.92
500,000.00	Seaboard Finance Corporation	2-14-64	492,842.01
600,000.00	Singer Credit Corporation	2-28-64	590,700.00
250,000.00	S. F. C. Financial Corporation	2-14-64	246,528.65
250,000.00	Sperry Rand Corporation	3-4-64	246,609.38
500,000.00	Sperry Rand Corporation	3-13-64	491,657.99
500,000.00	Spiegel, Inc.	1-31-64	493,487.85
250,000.00	Stokely-Van Camp, Inc.	2-28-64	246,770.83
250,000.00	Sunbeam Corporation	2-14-64	246,905.38
509,701.71	Traders Finance Corporation, Ltd. ...	3-16-64	498,849.19
500,000.00	Walgreen Company	12-31-63	495,625.00
500,000.00	Yellow Motors Credit Corporation	10-21-63	499,345.49

Purchases—United States Government Agency Obligations

Group Investments Fund

150,000.00	Federal Home Loan Banks Consolidated Notes, 3½%	6-15-64	149,718.75
300,000.00	Federal Home Loan Banks Consolidated Notes, 3.90%	8-17-64	300,000.00

Purchases—United States Government Agency Obligations

Group Investments Income Stabilization Reserve Fund

Par Value	Security	Maturity	Cost
100,000.00	Banks for Cooperatives Consolidated Debentures, 3.80%	4-1-64	100,000.00
100,000.00	Federal Home Loan Banks Consolidated Notes, 3.90%	8-17-64	100,000.00

P. D. McMillan Fund

50,000.00	Federal Intermediate Credit Banks Consolidated Debentures, 3.75%	6-1-64	50,000.00
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Student Organizations—Group Investments Trust Fund

24,000.00	Federal Land Bank Consolidated Bonds, 4½%	10-23-67	24,060.00
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Temporary Investment Pool

500,000.00	Banks for Cooperatives Consolidated Debentures, 3.80%	4-1-64	500,000.00
500,000.00	Federal Home Loan Banks Consolidated Notes, 3.85%	2-17-64	500,000.00
500,000.00	Federal Home Loan Banks Consolidated Notes, 3.95%	7-15-64	500,000.00
500,000.00	Federal Intermediate Credit Banks Consolidated Debentures, 3.75%	6-1-64	500,000.00
750,000.00	Federal Land Banks Consolidated Bonds, 4½%	10-23-67	751,875.00

Purchases—United States Treasury Obligations

Group Investments Fund

250,000.00	United States Treasury Bills	10-31-63	249,707.50
175,000.00	United States Treasury Bills	3-26-64	172,040.75

Permanent University Fund

600,000.00	United States Treasury Bills	1-16-64	594,786.00
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Corporate Stock Dividend

Group Investments Fund

No. of Shares	Security	Class	Cost
81	Firestone Tire & Rubber Company (2%)	Common	None

MISCELLANEOUS

Inter-Fund Transfer—United States Treasury Obligations

Group Investments Income Stabilization Reserve Fund into Group Investments Fund

Par Value	Security	Maturity	Book Value
\$ 100,000.00	United States Treasury Notes, 3¾%	8-15-67	\$ 99,500.00

Exchange—United States Treasury Obligations

Group Investments Fund

Par Value	Security	Maturity	Book Value
100,000.00	United States Treasury Notes, 3¾%	8-15-67	99,500.00

Exchanged into:

100,000.00	United States Treasury Bonds, 4½%	5-15-94	98,600.00
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DISPOSALS

Maturity—Corporate Bonds

Group Investments Fund

Par Value	Security	Maturity	Cost	Amount Received
\$ 50,000.00	Chesapeake & Ohio Railway 3rd Equipment Trust Certificates, 3¾%	10-23-63	\$ 50,000.00	\$ 50,000.00

Maturities—Certificates of Deposit

Temporary Investment Pool

500,000.00	First National Bank, Minneapolis	10-15-63	500,000.00	500,000.00
1,000,000.00	First National City Bank	10-31-63	999,577.73	1,000,000.00

Maturities—Commercial Paper

Group Investments Fund

100,000.00	Heller, Walter E. & Company	9-27-63	98,481.25	100,000.00
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Permanent University Fund

600,000.00	C. I. T. Financial Corporation	9-27-63	597,187.50	600,000.00
550,000.00	C. I. T. Financial Corporation	10-15-63	547,165.97	550,000.00

Temporary Investment Pool

500,000.00	Allied Credit Corporation	10-24-63	494,506.94	500,000.00
250,000.00	Allis-Chalmers Credit Corporation	9-30-63	247,726.56	250,000.00
500,000.00	Associates Investment Company	9-16-63	499,484.37	500,000.00
400,000.00	Associates Investment Company	10-15-63	399,516.67	400,000.00
500,000.00	C. I. T. Financial Corporation	9-16-63	499,531.25	500,000.00
500,000.00	C. I. T. Financial Corporation	10-1-63	499,597.22	500,000.00

Par Value	Security	Maturity	Cost	Amount Received
500,000.00	C. I. T. Financial Corporation	10-15-63	499,647.57	500,000.00
250,000.00	C. I. T. Financial Corporation	10-22-63	249,672.74	250,000.00
500,000.00	Cluett, Peabody & Company, Inc.	9-30-63	495,734.37	500,000.00
250,000.00	Export Finance Corporation of Canada, Ltd.	9-30-63	247,281.25	250,000.00
500,000.00	General Acceptance Corporation	9-13-63	495,406.25	500,000.00
250,000.00	Heller, Walter E. & Company	9-30-63	247,304.69	250,000.00
505,287.56	Industrial Acceptance Corporation	10-31-63	499,293.63	505,287.56
500,000.00	Kaysen-Roth Corporation	10-15-63	495,078.12	500,000.00
250,000.00	Machinery Investment Corporation	9-30-63	247,545.14	250,000.00
500,000.00	Marathon Oil Company	9-13-63	493,996.53	500,000.00
250,000.00	Newberry, J. J. Company	9-12-63	247,291.67	250,000.00
250,000.00	Peavey, F. H. & Company	9-30-63	247,304.69	250,000.00
500,000.00	Savings Bank Trust	10-31-63	494,673.61	500,000.00
700,000.00	Singer Credit Corporation	10-15-63	693,109.37	700,000.00
750,000.00	Sperry Rand Corporation	10-15-63	740,859.37	750,000.00
500,000.00	Spiegel, Inc.	9-30-63	494,515.63	500,000.00
250,000.00	Stevens, J. P. & Company, Inc.	9-13-63	247,269.10	250,000.00
250,000.00	Western Farmers Association	9-13-63	247,065.97	250,000.00
250,000.00	Worthington Corporation	9-27-63	248,031.25	250,000.00
500,000.00	Yellow Motors Credit Corporation	10-21-63	499,345.49	500,000.00

Maturities—United States Government Agency Obligations

Temporary Investment Pool

300,000.00	Federal Home Loan Banks Consolidated Notes, 3.30%	9-16-63	300,000.00	300,000.00
425,000.00	Federal Intermediate Credit Banks Consolidated Debentures, 3.15%	10-1-63	424,992.19	425,000.00

Maturities—United States Treasury Obligations

Group Investments Fund

250,000.00	United States Treasury Bills	10-31-63	249,707.50	250,000.00
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<i>Permanent University Fund</i>				
Par Value	Security	Maturity	Cost	Amount Received
1,450,000.00	United States Treasury Bills	9-12-63	1,444,490.00	1,450,000.00
<i>Sales—Corporate Bonds</i>				
<i>Group Investments Fund</i>				
76,000.00	Dow Chemical Company Convertible Subordinated Debentures, 3%	7-1-82	78,968.75	98,002.00
125,000.00	Union Oil Company of California Convertible Subordinated Debentures, 4¼%	6-1-91	125,000.00	161,906.74
<i>Sale—United States Government Agency Obligations</i>				
<i>Student Organizations—Group Investment Trust Fund</i>				
18,000.00	Federal National Mortgage Association Discount Notes	11-12-63	17,526.90	18,000.00
<i>Sale—United States Treasury Obligations</i>				
<i>Group Investments Income Stabilization Reserve Fund</i>				
100,000.00	United States Treasury Notes, 5%	8-15-64	100,000.00	101,156.25
<i>Calls—Corporate Bonds</i>				
<i>Group Investments Fund</i>				
3,000.00	Sperry Rand Corporation Sinking Fund Debentures, 5½%	9-1-82	3,000.00	3,000.00
2,000.00	Texas Eastern Transmission Corporation First Mortgage Pipe Line Bonds, 4⅞%	3-1-77	1,992.17	2,000.00
<i>Sale—Corporate Bond Warrants</i>				
<i>Group Investments Fund</i>				
No. of Warrants	Security	Maturity	Cost	Amount Received
2,000	Sperry Rand Corporation Sinking Fund	9-1-82	14,703.45

Sales—Corporate Stock

Group Investments Fund

No. of Shares	Security	Class	Book Value	Amount Received
500	Aluminium Limited	Common	15,543.52	12,615.39
276	American Can Company	Common	12,993.73	12,621.96
700	American Electric Power Company	Common	17,804.16	25,411.96
405	American Telephone and Telegraph Company	Common	24,843.00	51,467.84
4,200	American Tobacco Company	Common	81,156.94	114,374.29
700	Arizona Public Service Company	Common	12,047.12	22,722.18
1,500	Associates Investment Company	Common	104,670.32	88,528.19
400	Borg-Warner Corporation	Common	14,444.96	20,406.10
400	Central and South West Corporation	Common	9,570.72	17,493.00
800	Cleveland Electric Illuminating Company ...	Common	15,997.31	26,640.30
200	Consumers Power Company	Common	3,647.41	9,271.28
100	Corning Glass Works ...	Common	9,622.93	19,104.75
100	E. I. duPont deNemours & Company	Common	7,299.16	24,723.70
200	Eastman Kodak Company	Common	7,767.91	22,007.59
200	Ekco Products Company	Common	2,539.35	5,672.84
5,500	El Paso Natural Gas Company	Common	96,023.01	100,900.18
100	Federated Department Stores, Inc.	Common	2,848.54	5,411.73
280-30/50ths	Firestone Tire & Rubber Company	Common	8,924.48	10,459.43

Sales—Corporate Stock

Group Investments Fund

400	First Bank Stock Corporation	Common	8,148.00	28,338.68
100	Florida Power & Light Company	Common	3,492.87	7,508.74
400	Ford Motor Company	Common	11,228.66	22,545.69
180	General American Transportation Corporation ...	Common	7,278.66	14,006.76
200	General Electric Company	Common	5,953.05	16,565.30
100	General Foods Corporation	Common	3,287.61	8,894.31
800	General Mills, Inc.	Common	12,599.36	30,735.03
452	General Motors Corporation	Common	19,870.46	35,369.09
300	General Telephone & Electronics Corporation	Common	7,369.41	8,397.35

No. of Shares	Security	Class	Book Value	Amount Received
2,200	B. F. Goodrich Company	Common	131,688.15	121,203.90
100	Halliburton Company	Common	5,469.75	5,249.47
400	Illinois Power Company	Common	3,876.24	15,846.15
100	Insurance Company of North America	Common	5,884.44	9,518.38
50	International Business Machines Corporation	Common	9,587.00	22,771.20
200	International Harvester Company	Common	6,485.80	11,272.82
100	International Nickel Company of Canada, Limited	Common	4,450.28	6,522.64
648	International Paper Company	Common	19,144.97	22,713.81
900	Kennecott Copper Corporation	Common	80,157.28	66,348.44
180	McGraw-Edison Company	Common	3,784.72	7,018.35
100	Merck & Co., Inc.	Common	7,949.55	9,905.34
200	Minneapolis Gas Company	Common	5,558.83	8,521.60
100	Minneapolis-Honeywell Regulator Company	Common	9,450.85	12,538.85
200	Minnesota Mining and Manufacturing Company	Common	7,873.78	12,620.94
200	Minnesota Power & Light Company	Common	4,579.22	9,129.01
430	Northern Natural Gas Company	Common	10,442.34	22,504.55
700	Northwest Bancorporation	Common	7,626.99	34,691.66
200	Chas. Pfizer & Co., Inc.	Common	6,746.59	10,820.68
400	Phillips Petroleum Company	Common	10,380.42	21,544.34
1,399	Pittsburgh Plate Glass Company	Common	96,643.83	81,948.57
338	Radio Corporation of America	Common	15,298.30	25,737.37
400	Sears, Roebuck and Co.	Common	7,262.02	39,674.24
357	Security First National Bank, Los Angeles	Common	16,942.53	29,544.20
200	Shell Oil Company	Common	7,643.75	8,855.46
480	Shell Oil Company of Canada, Limited	Common	6,720.00	7,067.79
1,800	Sinclair Oil Corporation	Common	113,145.12	86,140.52
400	Socony Mobil Oil Company, Inc.	Common	15,699.04	28,961.59
1,000	Southern California Edison Company	Common	10,163.86	33,606.38
400	Southern Union Gas Company	Common	9,071.62	12,794.88
348	Standard Oil Company of California	Common	6,004.10	23,055.80
160	Standard Oil Company (New Jersey)	Common	2,908.04	11,255.48
152	Stauffer Chemical Company	Common	8,556.26	5,302.16

Sales—Corporate Stock

Group Investments Fund

No. of Shares	Security	Class	Book Value	Amount Received
468	Texaco, Inc.	Common	4,963.50	33,332.79
200	Texas Utilities Company	Common	5,698.33	11,197.95
100	Union Carbide Corporation	Common	6,557.81	10,666.77
800	United Gas Corporation	Common	25,606.52	30,688.72
100	United States Gypsum Company	Common	7,921.42	8,806.90
1,600	United States Steel Corporation	Common	96,088.89	87,864.84
377	Valley National Bank of Arizona	Common	15,341.41	24,400.99
250	Virginia Electric and Power Company	Common	4,042.14	10,933.14
400	Weyerhaeuser Company	Common	15,412.32	13,419.68

Call—Corporate Stock

Group Investments Fund

100	Texas Gas Transmission Corporation, 5.40%	Preferred	10,465.18	10,000.00
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BUSINESS VICE PRESIDENT'S REPORT

Voted to approve the report of the Vice President, Business Administration to the Chairman of the Executive and Finance Committee, filed supplement to the minutes, page 16,179.

Voted to approve transfers of funds No. 4001 to No. 5000 inclusive.

Voted to approve journal vouchers No. 12001 to No. 15500 inclusive.

Voted to approve requisitions No. 21692 to No. 26596 inclusive.

Voted to adjourn.

L. R. LUNDEN, Secretary