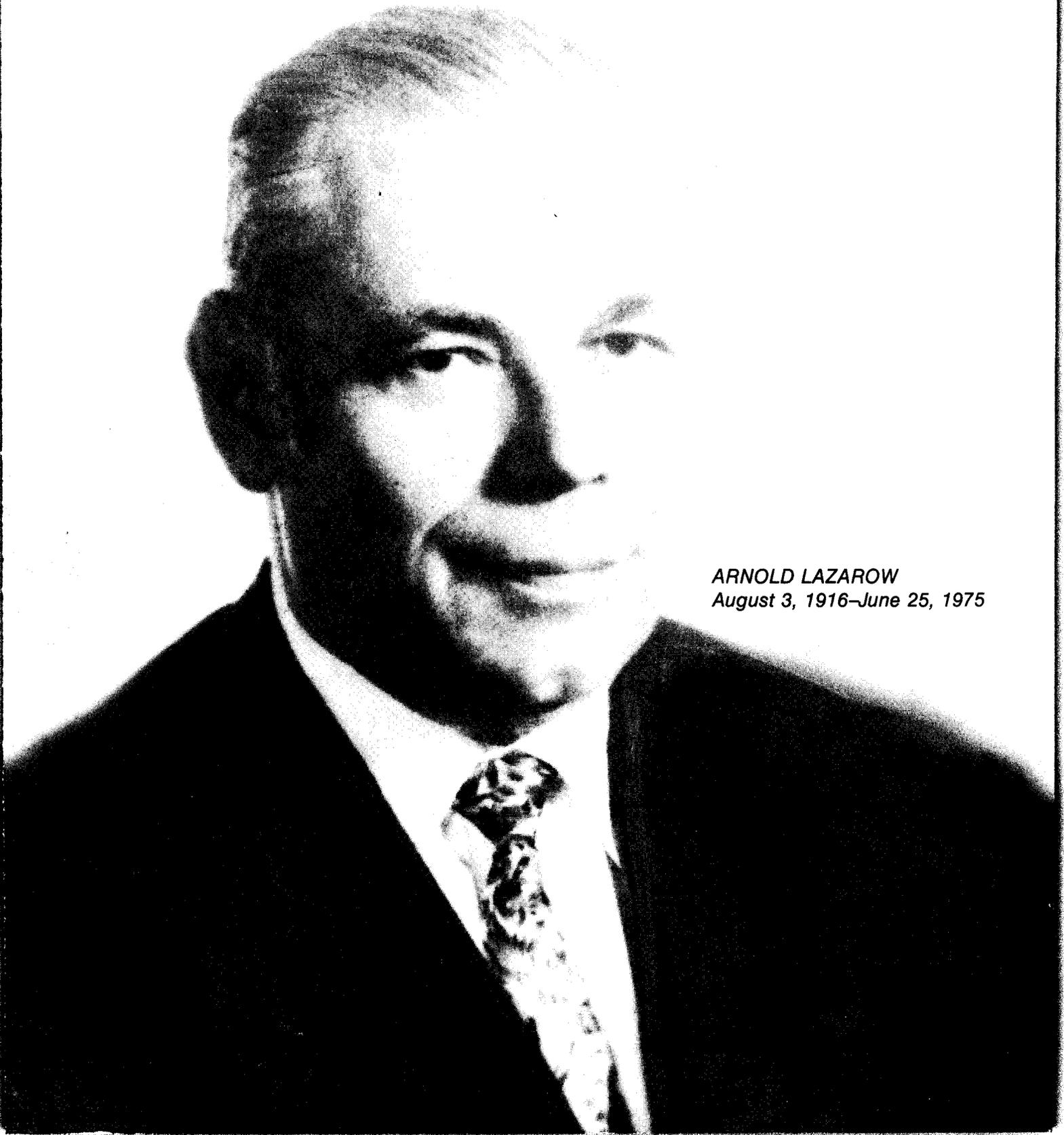


1975
2/17/75

MEDICAL BULLETIN

UNIVERSITY OF MINNESOTA

SUMMER, 1975



ARNOLD LAZAROW
August 3, 1916–June 25, 1975

EDITORIAL COMMENT

It is with a profound feeling of loss and with great respect that we devote our cover and lead articles to the memory of Dr. Arnold Lazarow, long-time advocate of the Minnesota Medical Foundation, publisher of this magazine.

If there was a "modern father" of the Foundation, it was Arnold, who in 1957 prodded the Medical School to study and develop the Foundation toward its real potential.

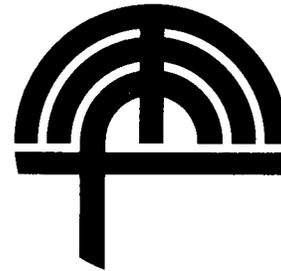
The *Lazarow Report*, as the study committee's report came to be known, set forth long talked about needs of the institution and called for a full-time Minnesota Medical Foundation to help the school reach its goals. The report was accepted by MMF's Trustees and was adopted as the blueprint for the Foundation's programs in the modern era.

Among several major points, the report recommended hiring a full-time executive to direct the work of the Foundation. MMF has since achieved most of the goals that Arnold Lazarow visualized.

Dr. Lazarow served as President of the Foundation for the 1960-62 term. His influence upon the Foundation and the Medical School was strong and always positive.

We will miss this wise and able friend.

—Eivind O. Hoff
Executive Director



THE UNIVERSITY OF MINNESOTA MEDICAL BULLETIN

TOM PATTERSON, EDITOR
EIVIND O. HOFF, EXECUTIVE EDITOR

This magazine is published quarterly by the Minnesota Medical Foundation as a service to alumni of the University of Minnesota Medical School, physicians in the state of Minnesota and members of the Foundation. There is no subscription fee. No advertising is accepted. Publication is made possible by contributions to the Minnesota Medical Foundation. Editorial office: 5412 Powell Hall, University of Minnesota, Minneapolis, Minnesota 55455.

SUMMER, 1975

Published by the Minnesota Medical Foundation in behalf of the University of Minnesota Medical Schools (Minneapolis and Duluth), Minnesota Medical Alumni Association, and the Minnesota Medical Foundation. Statements and opinions published herein are exclusively those of the authors themselves.

MINNESOTA MEDICAL FOUNDATION: Lewis W. Lehr, President; Dr. C. Paul Winchell, Vice President; Mrs. John Bean, Secretary; Dr. John G. Fee, Treasurer; Eivind O. Hoff, Executive Director.

MEDICAL BULLETIN EDITORIAL ADVISORS:
Dr. Reuben Berman, Danae Kasbi, Robert H. Lee, Dr. Wesley W. Spink.

MINNESOTA MEDICAL ALUMNI ASSOCIATION: Dr. Donald D. Dahlstrom, President; Dr. Irving C. Bernstein, First Vice President; Dr. John A. Nilsen, Second Vice President; Dr. Charles Crutchfield, Secretary; Dr. Donald H. Peterson, Treasurer.

UNIVERSITY OF MINNESOTA MEDICAL SCHOOL: Dr. N. L. Gault Jr., Dean; Dr. H. Mead Cavert, Associate Dean; Dr. W. Albert Sullivan, Associate Dean; Dr. E. Wayne Drehmel, Assistant Dean; Dr. Robert J. McCollister, Assistant Dean; Dr. Pearl Rosenberg, Assistant Dean; Dr. George E. Williams, Assistant Dean.



ARNOLD LAZAROW, M.D., PH.D.

August 3, 1916–June 25, 1975

Dr. Arnold Lazarow, 1973 winner of the American Diabetes Association's highest honor, the Banting Medal, often took great pleasure in referring to himself as a "doctor of rats, monkeys and fish." That truly modest man with the exceptionally keen scientific mind died June 25, 1975, at Miller Hospital in St. Paul, Minnesota. He was 58. His brilliant career in medical science ended about a week after suffering his first coronary. His work will live on through his many students, his more than 200 research papers on a wide variety of scientific topics, and his two sons, one a basic scientist and the other a medical student planning on a career as a clinician.

Arnold Lazarow was born in Detroit, August 3, 1916. He received all of his post-secondary education at the University of Chicago; B.S. in biochemistry in 1937, and M.D. and Ph.D. (anatomy) concomitantly in 1941, at age 25. He married Jane Klein the year before receiving his doctorates and they had two sons, Paul, born in 1945, and Normand, born in 1949. Paul holds a Ph.D. in biochemistry from Rockefeller University and will move from Palo Alto, Calif., back to Rockefeller University in September as an assistant professor of cell biology. Normand is a second-year medical student at the University of Minnesota Medical School. Jane is working in the field of information storage and retrieval.

From 1954 until his death, Dr. Arnold Lazarow was professor and head of the department of anatomy of the University of Minnesota Medical School. Prior to joining the University of Minnesota, he was on the faculty of Western Reserve University Medical School for 11 years. He served his medical internship at Woodlawn Hospital in Chicago in 1942 and participated in a war research project sponsored by the Office of Scientific Research Development at the University of Southern California in 1943, immediately before joining Western Reserve's anatomy department.

During his 34-year scientific career, he published more than 200 articles in professional journals. His major research contributions were in the fields of histochemistry, in which he developed quantitative physical methods and described their use (scanning-microspectrophotometry and infrared spectroscopy), cytochemistry, experimental diabetes and information retrieval.

His diabetes studies, carried out in collaboration with his graduate students and professional col-



Dr. Lazarow with rats used in his diabetes research.

leagues, included: the mechanism by which diabetogenic agents selectively kill the insulin-producing beta cells; the factors which influence the development and progression of experimental diabetes; the factors which control insulin synthesis, storage and release from the beta cell; the role of the basement membrane in the development of complications of diabetes; and the development of an immunoassay method for insulin which became a standard clinical laboratory diagnostic procedure. At the time of his death, he had achieved remarkable success in curing diabetes in highly inbred rats through transplantation of pancreatic islet cells and he was preparing to extend these studies to primates. He received the Banting Medal from the American Diabetes Association in June, 1973, at the association's 33rd Annual Meeting.

The Marine Biological Laboratory, Woods Hole, Mass., was important to Dr. Lazarow's diabetes research. He spent his first summer there in 1944 and returned to this laboratory every summer with rare exception. Much of his basic diabetes research was done on the Toad Fish and the Goosefish. In both, the

(Continued next page)

insulin-secreting beta cells of the pancreas are a small, discrete body separate from the rest of the pancreas. This facilitated the basic biochemical research on the function of beta cells. In 1960, Dr. Lazarow was elected a Trustee of the Marine Biological Laboratory and served in that capacity until 1969. He also was included among MBL's distinguished Friday Evening Lecturers.

Dr. Lazarow's very advanced concepts in information retrieval contributed to the development of new methods of handling documents, with broad application for the organization, storage and retrieval of vast amounts of information relating to biology and medicine. He was a consultant to the National Library of Medicine. He developed the *Diabetes Literature Index*, a computer produced monthly publication, which is distributed by the National Institutes of Health to all diabetes researchers and all members of the American Diabetes Association.

As a teacher, he reached and encouraged hundreds of young scientists, including medical students, graduate students, post-doctoral fellows and research trainees. While he was head of anatomy at Minnesota, more than 75 Ph.D.'s were graduated from his program, at least 25 of them diabetes related.

His service on national committees and advisory groups included: the committee on research and pathogenesis of the American Cancer Society; the

metabolism study section and cell biology study section of the National Institutes of Health, and the national advisory council of the National Institute for Arthritis, Metabolism and Digestive Diseases. He was also a member of the American Association for the Advancement of Science, the American Chemical Society, the American Society of Cell Biology, the American Heart Association, the Endocrine Society, the International Diabetes Federation and the International Society for Cell Biology. He was an editor or editorial advisor for numerous scientific publications, including *DIABETES: The Journal of the American Diabetes Association*. He was a president and trustee of the Twin Cities Diabetes Association, president and councilor of the Histochemistry Society and a member of the executive committee of the American Association of Anatomists. His academic honors included Phi Beta Kappa, Alpha Omega Alpha and Sigma Xi.

The family prefers memorials to the Arnold Lazarow Diabetes Research Fund of the Minnesota Medical Foundation, Box 193 Mayo Memorial Building, University of Minnesota, Minneapolis 55455. Dr. Lazarow served as president of this Foundation from 1960 to 1962 and wrote a position paper which greatly expanded the Foundation's programs and increased its importance to medical education and research at the University of Minnesota.

— tom patterson

DEAN GAULT EULOGIZES DR. ARNOLD LAZAROW

The following was presented at the funeral service for Dr. Arnold Lazarow, June 27, 1975, at Mount Zion Temple, St. Paul, Minn., by Dr. N. L. Gault, Jr., Dean, University of Minnesota Medical School.

Arnold and Jane Lazarow came to our community in 1954 with a declaration in a letter he wrote to Dean Harold S. Diehl: "We feel that we are not moving to a new place but rather to a familiar one." That attitude of accommodation — of in-the-here-and-now but with resoluteness to face the future — was maintained throughout the 21 years Arnold gave leadership to the Department of Anatomy, the Medical School, and the University of Minnesota.

In 1954 when Arnold was chosen by Dean Diehl as Professor and Head of the Department of Anatomy, Dr. E. A. Boyden, was retiring from a distinguished career. For decades the department had been recognized throughout the world for its excellence in classical descriptive anatomy. The search for new leadership in 1954 was for a dynamic scientist who could sustain the high academic contributions that were desired. The sense of the search committee was

that a new era — a modernized approach to anatomy — lay ahead. To provide this, an extraordinary person was needed.

Fortunately for us, at Western Reserve University, advisers pointed to Arnold Lazarow as the person who had the qualifications Minnesota was seeking.

Arnold was 38 when he joined our faculty. He had received his education at the University of Chicago, earning three degrees — Baccalaureate, Doctor of Medicine, and Doctor of Philosophy — the latter two being granted concomitantly in 1941. At the University of Chicago his adviser was Professor R. R. Bensley, from whom Arnold received encouragement and direction in his preparation for an academic career. He was exposed in depth to the anatomist exploring beyond the gross structures to the functional structures and processes of histochemistry.

His liberal approach and intuitive foresight led him



Dr. Lazarow at about the time he joined the University of Minnesota Medical School faculty.



Arnold Lazarow with his wife, Jane.

Dean Diehl, with the faculty search committee, recognized that in Arnold they had found a man with bold imagination, natural leadership, superior competence as a scientist — all attributes essential to provide the direction of the future of the Department of Anatomy at the University of Minnesota Medical School.

Two decades of association with Arnold have continued to prove the wisdom of that choice in 1954. He immediately demonstrated his unusual and innate talents to develop and maintain a scholarly and productive program at Minnesota. His reputation, growing as the years passed, resulted in his lecturing and consulting in regard to his scientific concepts and experimental results in basic causes of diabetes mellitus at centers in the United States and abroad. He labored unselfishly in support of the American Diabetes Association and its constituencies to involve our citizens and our government in supporting basic research in diabetes. Arnold delivered the Banting Memorial lecture at the Annual Meeting of the American Diabetes Association in June, 1973, and received the Banting Medal. His concepts and research in transplantation of islet cells gained worldwide recognition.

Arnold had many strengths to offer the scientific community. Early on he appreciated the potentials of applying computer technology to biomedical research through information storage and retrieval. In this area he served not only our University but the National Library of Medicine and the scientific community at large.

What kind of a man was he? "A real man", many say. What do they mean? I believe they are saying he was a person with whom they liked to be associated. A respected man. He was friendly and warm hearted. He was interested in every person — the animal caretaker, the office staff, his colleagues, his students, and the man on the street. Naturally, he was paternalistic in

(Continued next page)

to join the faculty at the Western Reserve University School of Medicine in 1943 where "the modern experiment" in medical education was unfolding. Joseph T. Wearn, Dean of that school and supervising architect of the new educational pattern, found this young anatomist "worked into our teaching experiment beautifully." He described Arnold as an able administrator, a man with great drive and industriousness who expected others to work similarly. He was known for his ability to stimulate and attract young fellows to his laboratory. The head of that department of anatomy, Dr. Normand L. Hoerr, recognized Arnold's ability to administer his work efficiently, his ability to lead people especially well, and his faculty to present his thoughts very clearly and logically.

Already at this young age, Arnold Lazarow had established himself in the scientific community of this country. He was the first to consider that sulphhydryl groups might protect an animal against alloxan diabetes. He was the first to show that mitochondria contained respiratory enzymes. Another first contribution was his evidence that glycogen in liver was in a sub-microscopic particulate form.



Dr. Lazarow at Woods Hole, Mass., Marine Biological Laboratory with fish used in diabetes research.

the finest sense. Long before this era of affirmative action he appreciated the intellectual competence of women and offered them academic opportunities in his department. His colleagues and students found him ready to listen to their concerns and questions. He took time to listen and advise if requested to do so. This warmth and humbleness made him dear to us all. He believed in and practiced loyalty to his associates.

Arnold was eager to question, to answer and to strive for perfection. He possessed a superb analytical mind. He seemed capable of seeing ahead, designing his programs for what was to be tomorrow. He was intrigued by learning from experimentation. He was fascinated by new equipment in the laboratory. As soon as a piece of equipment was installed, Arnold was at the operation position learning first hand the intricate operation, identifying pitfalls and limitations that the staff who would use the equipment might encounter. This often extended him far into the night but he just had to know. Such is a characteristic of an honest and strict investigator.

He delighted in perfection. On a lighter side, I saw this characteristic in his enjoyment of the faculty square dance club. For those of you who are not familiar with square dancing, perfection is steps, time, and turns is a goal. The Grand Square is a most demanding routine. Few of us could regularly meet the challenge.



Dr. Lazarow with students.

Arnold always seemed to be energized by the precision called for by this dance. I believe it was one of his favorites.

In his perfectionism he saw great potential in the educational process to influence the future lives of his students. He was truly an original, enthusiastic teacher who was fond of students.

Arnold's interest in the Medical School as a whole was demonstrated by his willingness to answer the call to serve on numerous committees. His competent counsel and vision made him a most valuable member of the faculty. It was he who chaired a committee of the Minnesota Medical Foundation in 1957 to recommend a plan for the future. That plan was adopted by the Foundation's Board of Trustees and initiated significant new programs which have made the Foundation what it is today.

Arnold and Jane enjoyed life. Their family lived a private life but the beautiful love that sustained their relationship was inescapably apparent. Arnold's eyes would literally sparkle when Jane came into his presence. He would characteristically engage in a loving bit of tease with her; not embarrassingly open but recognizable by those who knew them well. He was proud of his wife. She was perfection in his eyes. He respected her individuality as he did others'. He found her intellectual and cultural interests an essential diversion for him from his scientific world. Yet, he knew, too, that Jane's common training and interest in biomedical science sustained her acceptance — no, sustained her *support* of him in whatever his dedication to his work demanded. Arnold loved Jane's cooking and the home they made together.

Arnold lived to enjoy the pleasure of having his sons graduate from the family alma mater, the University of Chicago. He is quoted as saying, "A family of four with eight degrees from the University of Chicago." His sons, Paul and Normand, have entered careers in the biomedical sciences which surely

pleased Arnold. Paul is returning to the faculty at Rockefeller University when he completes his post-doctoral fellowship in biology at Stanford. Normand, we are pleased, is enrolled in our Medical School. Recently Arnold was heard to say to a close personal friend, "We have a wonderful family; we are proud of our boys."

A champion of basic research, a friend, a colleague,

a husband, a father — a real man — is no longer with us in person. The memory of Arnold Lazarow will long continue to inspire his students and friends, his family, and all those members of the scientific community who knew him.

Perhaps we can go from here today renewed by one of Arnold's thoughts often given his associates: "Do a good job day by day and you will succeed."

A FORMER GRADUATE STUDENT REMEMBERS ARNOLD LAZAROW

(The following remarks were presented at Dr. Lazarow's funeral service by Orion D. Hegre, Ph.D., associate professor in the department of anatomy. Dr. Hegre is one of more than 25 diabetes-related Ph.D.s who worked with Dr. Lazarow).

I spent much of yesterday at my desk, looking over the bibliography and rereading many of the scientific papers of Dr. Lazarow. Those 220 publications are the external evidence of, and attest to, the tremendous accomplishments of his 34-year scientific career; a career which so justly deserved the honor accorded Dr. Lazarow in 1973 by the American Diabetes Association, when he received the Banting Medal — the ultimate recognition by his scientific peers.

Dr. Lazarow's research expertise spanned a wide variety of areas, including; separation and study of cell components, experimental diabetes, mechanisms of alloxan action, islet organ culture, insulin biosynthesis and secretion, islet cell transplantation, diabetes and pregnancy, study of the complications of diabetes, and many others.

Beyond the remarkable range of his scientific interest is the fact that, beginning with his sixth publication, which appeared in *Science*, 1944, and entitled "A Simple Pipette Holder," Dr. Lazarow published over 30 papers describing new instrumentation, new techniques or methods.

Most of us will agree that it is the development of these new methodologies which permit the most rapid expansion of scientific knowledge. Two of Dr. Lazarow's most important contributions in this area came in the early 1960's. The development of the double antibody method of immunoassay for insulin made possible a simple and efficient but highly sensitive way of measuring plasma insulin levels and thus permitted the widespread use of insulin immunoanalysis in clinical and research labs all over the world. Also in the early 1960's, Dr. Lazarow, after seeing the possible application of geologic methods to biological specimens, reported the development of a specialized light microscope quantitator. The development of this instrumentation permitted the morphological measurement of various cell types within tissues and organs at both the light and electron mic-

roscope level and was an early contribution to the still expanding discipline of stereology.

With the current rapid expansion of scientific knowledge and subsequent flood of scientific papers, it was Dr. Lazarow's conviction that new methods had to be developed to get the new information into the hands of scientists and clinicians, where it could be put to work. To this end, he was instrumental in the development and publication of, and served as the overall coordinator for the computer-produced monthly publication of the National Institutes of Health — *The Diabetes Literature Index*.

It was this innovative thinking that put Dr. Lazarow at the front, and often, as exemplified by pancreatic islet cell transplantation and his predictions concerning the multiplicity of islet cell functions, ahead of current scientific thought and caused him to be held in such high regard by the world scientific community.

However, those of us, his students, his fellow departmental members who worked under his direct tutelage — we were luckier than most — we saw and we benefited from the personal touch of this man on a day to day basis. Dr. Lazarow was a scientist, but above all he was a teacher. His former students include deans, department heads, academic faculty in the United States and abroad. I believe that perhaps his greatest pleasure in life was to initiate and stimulate and then sit back and watch the scientific growth of his students. Early in your career he let you lean on him, but as he saw your confidence grow, he would step back and give you enough room to grow toward your own independence.

The work of this man, who so often took great pleasure in referring to himself as a "doctor of rats, monkeys, and fish," is not finished. Those of us, his students, his collaborators, whose intellectual curiosity has been kindled and fed by our mentor are committed to its continuance.

Congratulations

MEDICAL CLASS of '75

MINNESOTA MEDICAL FOUNDATION



Paula Kelly.

MEDICAL CLASS OF 1975

The University of Minnesota Medical School graduated 242 new physicians June 6. About 60 per cent of the class remains in the state of Minnesota for the start of post-M.D. training. About 75 per cent of the graduates are entering primary care specialties — family practice, internal medicine, ob-gyn, and pediatrics.

There were 29 (12%) women graduates in the class and 8 (3.3%) minority students. The minority graduates included one Chicano, five black students, and the first two Puerto Ricans known to have graduated from the University of Minnesota Medical School.

HONORS

Several of the graduates received special honors:

The **Alan T. Bluhm Memorial Award** (\$225) to an exceptional student and citizen was presented to Stephen R. Carlson.

The **Most Promising Clinical Practitioner Award** of the Minnesota Medical Foundation went to Macaron Baird. He received a \$500 prize and was selected for the honor by a poll of the graduating class.

The **Undergraduate Research Award** of the Minnesota Medical Foundation went to Renner S. Anderson ("Laboratory Studies of Leukemia Families") and Robin Crandall ("Biochemical Genetics"). Anderson and Crandall shared a \$500 prize. They were selected for the honor by a faculty committee.

The **Roche Laboratory Omega Watch Award** for outstanding service

to the class was presented to Peter L. Loes.

The Southern Minnesota Medical Association's **Outstanding Senior Award** was presented to Lucinda Husby.

The **Upjohn Award** to a member of the class who shows exceptional promise for making an outstanding contribution to medicine: Frederick T. Strobl.

ALPHA OMEGA ALPHA

Members of Alpha Omega Alpha, the medical honor society, are: Gail Paermaster Bender, Theodore M. Berman, Thomas J. Carlsen, Paul L. Carpenter, Neil R. Dahlquist, R. William Ellwein, Michael D. Feigal, Alexandra Hult Filipovich, Thomas Patrick Flynn, Paul A. Fredrickson, Gregory J. C. Gordon, John Anders Haugen, Barbara G. Hemenway, Robert C. Hoyer, Lucinda M. Husby, Robert Bennett Johnson, Jr., Daniel LeRoy Johnson, Iver Allen Juster, John Peter Kieley, Stephen James Kolar, Bronwen Jean Magraw, Paul F. McGough, Fletcher A. Miller, Jr., Brian J. Murray, Thomas J. Naegli, Roger L. Neist, James T. Nolan, Wesley J. Nord, Rolf R. Paulson, Douglas Arthur Peterson, David W. Plocher, John Richard Priest, James Michael Rauer, Christopher Reif, Kurt K. Scheurer, Mary Serdula, Anita M. Shaffer.

Hoyer, Husby, Juster, Miller and Nolan were initiated in their junior year.

Members of the 1976 graduating class in medicine initiated into AOA as juniors are: David John Anderson, Mary Alice Arneson, J. Frederick Hall, Margaret Ann Heisel, Dorothy Jeanne Horns, Janet C. Hubbell, Carl M. Melling, Jean Marie Porwoll.

THE CLASS OF 1975

The following list of 1975 medical graduates includes the student's hometown, undergraduate college, and place and type of internship or residency.

ALDRICH, THOMAS K.
Chicago
Swarthmore College
Intern: U. of Calif. Hospitals
Orange, Calif.
Internal Medicine

ANDERSON, MARKHAM J.
Rochester
Brigham Young
Intern: U. of Calif. Hospitals
Orange, Calif.
Surgery

ATKINSON, BENJAMIN W.
Topeka, Kan.
Washburn University
Intern: Washington Adventist Hosp.
Takoma Park, Md.
Family Practice

ANDERSEN, RICHARD D.
Rochester
Stanford
Intern: Mayo, Rochester, Minn.
Pediatrics

ANDERSON, RENNER S.
Minneapolis
Haverford College
Intern: U. of Minnesota Hospitals
Pediatrics

BACHMAN, JOHN W.
St. Paul
Hamline
Intern: Family Practice Residency
Duluth

ANDERSON, GREGORY M.
Wayzata
Stanford
Intern: Harbor General Hospital
Torrance, Calif.
Family Practice

ANDERSON, VICKI LARSON
Minneapolis
Gustavus Adolphus
Intern: U. of Minnesota Hospitals
Family Practice

BAIRD, MACARAN A.
Dodge Center
Macalester
Intern: U. of Minnesota Hospitals
Family Practice

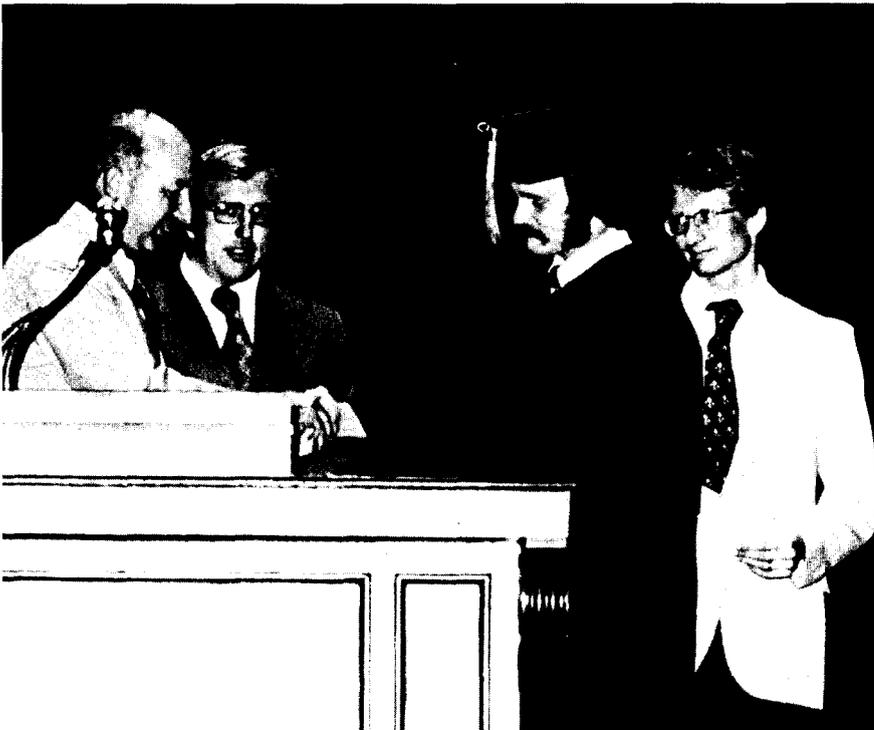
BAKER, DONALD A.
Minneapolis
St. Cloud State
Intern: U. of Minnesota Hospitals
Family Practice

BANK, BARBARA A.
Minneapolis
University of Minnesota
Intern: Family Practice Residency
Duluth

BEALKA, DENNIS G.
Chaska
University of Minnesota
Intern: St. Paul Ramsey
Ob-Gyn

BECK, ROBERT J.
St. Paul
Bethel College
Intern: U. of Minnesota Hospitals
Family Practice

BELL, CLIFFORD B.
Albany, Ga.
Tuskegee Institute
Intern: William A. Shands Hospital
Gainesville, Fla.
Surgery



Lewis Lehr, left, president of the Minnesota Medical Foundation, presented MMF awards to medical graduates (left to right) Macaron Baird, Robin Crandall and Renner Anderson. Baird received the Most Promising Clinical Practitioner Award and Crandall and Anderson shared the Student Research Award.



BJERKE, THOMAS L.
 Bloomington
 St. John's
 Intern: McMaster Univ. Hospitals
 Hamilton, Ontario, Canada
 Family Practice

BLATTI, GEORGE M.
 Mankato
 St. Mary's
 Intern: Montefiore Hospital
 Bronx, New York
 Pediatrics

BLOOM, HARRISON G.
 Minneapolis
 University of Pennsylvania
 Intern: Montefiore Hospital
 Bronx, New York
 Social Medicine

BLOOM, PATRICIA SCANLON
 Rochester
 University of Minnesota
 Intern: Montefiore Hospital
 Bronx, New York
 Social Medicine

BOHLEN, JOSEPH G.
 Moweaqua, Ill.
 Southern Illinois University
 Research: Program in Human Sexu-
 ality
 Minneapolis

BONNELL, MARK D.
 Anoka
 Princeton
 Intern: Cook County Hospital
 Chicago
 Internal Medicine

BORCH, RICHARD F.
 Minneapolis
 Stanford
 Intern: U. of Minnesota Hospitals
 Internal Medicine

BOROWICZ, RONALD J.
 Argyle
 St. Thomas
 Intern: U. of North Dakota
 Medical School, Fargo
 Family Practice

BRANSFORD, DAVID L.
 Auburn, Ill.
 Macalester
 Intern: U. of Minnesota Hospitals
 Psychiatry

BENDER, GAIL PAPERMASTER
 St. Louis Park
 Cornell
 Intern: U. of Minnesota Hospitals
 Internal Medicine

BERMAN, THEODORE M.
 Minneapolis
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Internal Medicine

BERGER, JO MARIE
 Minneapolis
 University of Minnesota
 Intern: Hennepin County Medical
 Minneapolis
 Internal Medicine

BERRY, DALE A.
 Isle
 Bethel College
 Intern: Family Practice Residency
 Duluth

BERLAUK, JON F.
 Finland
 Gustavus Adolphus
 Intern: U. of Minnesota Hospitals
 Internal Medicine

BIEBL, JONATHAN H.
 Gibbon
 Gustavus Adolphus
 Intern: Hennepin County Medical
 Minneapolis
 Surgery



Harrison Bloom receives hood from Dr. Pearl Rosenberg, assistant dean. Medical graduates decided on hooding ceremony for the first time in many years.

BUBAK, PAUL J.
Sisseton, S.D.
University of South Dakota
Intern: Hennepin County Medical
Minneapolis
Surgery

BURNS, LINDA BLODGETT
Robbinsdale
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

CARLSEN, THOMAS J.
Edina
St. John's
Intern: Hennepin County Medical
Minneapolis
Surgery

CARLSON, LAWRENCE D.
Williston, N.D.
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

CARLSON, STEPHEN R.
Minneapolis
University of Minnesota, Duluth
Intern: U. of Minnesota Hospitals
Family Practice

CARPENTER, PAUL L.
Granada
University of Minnesota
Intern: Northwestern Hospital
Minneapolis
Internal Medicine

CARTER, JOSEPH B.
Minneapolis
Worcester Polytechnic Institute
Intern: U. of Minnesota Hospitals
ENT

CHMEL, MICHAEL M.
Hopkins
University of Wisconsin
Intern: U. of Utah Hospitals
Salt Lake City
Family Practice

CHRISTENSEN, JEFFREY V.
Minneapolis
University of Minnesota
Intern: U. of Minnesota Hospitals
Ophthalmology

COLON, PASTOR
New York City
Bethel College
Intern: U. of Minnesota Hospitals
Anesthesiology

COOMES, MICHAEL W.
Foley
Carleton
Intern: St. Paul Ramsey
Family Practice

CRAGG, MICHAEL M.
St. Paul
St. John's
Intern: U. of Minnesota Hospitals
Family Practice

CRAIG, DAVID H.
Minneapolis
Colorado College
Intern: Deaconess Hospital
Spokane
Flexible

CRANDALL, ROBIN C.
Hopkins
University of Minnesota
Intern: Hennepin County Medical
Minneapolis
Surgery

CRUZ-VIDAL, BALTASAR A.
Mayaguez, Puerto Rico
Harvard
Intern: Hennepin County Medical
Minneapolis
Surgery

DAHLQUIST, NEIL R.
St. Paul
Hamline
Intern: New England Deaconess
Boston
Internal Medicine

DESNICK, SUSAN J.
Minneapolis
University of Minnesota
Intern: U. of Minnesota Hospitals
Pediatrics

DORN, DAVID P.
Winona
Gustavus Adolphus
Intern: U. of Minnesota Hospitals
Neurology

DOYLE, JOHN E.
St. Paul
St. Thomas
Intern: St. Mary's Hospital
Minneapolis
Family Practice

DOYNE, HOLLY L.
Chaska
University of Minnesota
Intern: U. of Minnesota Hospitals
PM & R

DRAKE, ADRIENNE A.
Seal Beach, Calif.
Colorado College
Intern: Mayo, Rochester, Minn.
Internal Medicine

DUNKLEE, TERRENCE M.
Cambridge
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

DYRUD, PETER E.
Minneapolis
Concordia
Intern: U. of Colorado Hospitals
Denver
Surgery



1975 Medical Graduate Tom Masterson, at 6'8" he stands out in most any crowd.

EISENBERG, ELLIOT S.

Duluth
University of California
Intern: U. of Minnesota Hospitals
Neurology

EKBOM, GREGORY A.

Willmar
Bethel College
Intern: Milwaukee County General
Surgery

ELLWEIN, ROBERT W.

Watertown, S.D.
Northwestern University
Intern: LaCrosse, Wis.
Lutheran Hospital
Internal Medicine

ENGBERG, KENNETH D.

Duluth
University of Minnesota, Duluth
Intern: Mayo, Rochester, Minn.
Surgery

ERICKSON, CHARLES B.

Starbuck
University of Minnesota, Duluth
Intern: Hennepin County Medical
Minneapolis
Family Practice

ETTERMAN, KENNETH E.

Red Lake Falls
University of North Dakota
Intern: U. of North Dakota
Medical School, Fargo
Family Practice

FAST, WILLIAM P.

Windom
Trinity College
Intern: U. of Minnesota Hospitals
Family Practice

FEIGAL, MICHAEL D.

Pine Island
Hamline
Intern: U. of Minnesota Hospitals
Family Practice

FIFE, DANIEL

New York City
Columbia College
Intern: Royal Victoria Hospital
Montreal, Canada
Internal Medicine

FILIPOVICH, ALEXANDRA

Minneapolis
Mount Holyoke College
Intern: U. of Minnesota Hospitals
Pediatrics

FINHOLT, DAVID A.

Northfield
St. Olaf
Intern: Cottage Hospital
Santa Barbara
Flexible

FLYNN, PATRICK J.

Chatfield
St. Thomas
Intern: Hennepin County Medical
Minneapolis
Internal Medicine

FLYNN, THOMAS P.
 Hibbing
 St. Thomas
 Intern: Barnes Hospital Group
 St. Louis
 Internal Medicine

FOLKESTAD, CHARLES L.
 Wadena
 University of Minnesota, Morris
 Intern: U. of Minnesota Hospitals
 Family Practice

FOX, RICHARD B.
 Minneapolis
 Michigan State
 Intern: U. of Minnesota Hospitals
 Pediatrics

FREDERICKSON, PAUL A.
 Minneapolis
 University of Minnesota
 Intern: Mayo, Rochester, Minn.
 Orthopedic Surgery

FRIEDMAN, RICHARD G.
 St. Paul
 Hamline
 Intern: Mercy Hospital
 San Diego
 Internal Medicine

FRIEFELD, ROBERT D.
 Brookings, S.D.
 M.I.T.
 Intern: Veterans Hospital
 Long Beach, Calif.
 Internal Medicine

GALBRAITH, POLLY GROAT
 Madison
 University of Minnesota, Morris
 Intern: U. of Minnesota Hospitals
 Family Practice

GARSKE, PETER G.
 Wayzata
 University of Utah
 Intern: St. Paul Ramsey
 Family Practice

GEDGAUDAS, R. KRISTINA
 St. Paul
 Barat College
 Intern: U. of Calif. Hospitals
 San Francisco
 Diagnostic Radiology

GELLER, PAMELA E.
 Minneapolis
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Pediatrics

GILLESPIE, DELMAR J.
 St. Paul
 Monmouth College
 Intern: Mayo, Rochester, Minn.
 Internal Medicine

GOBLIRSCH, ROBERT F.
 Faribault
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Family Practice

GORDON, GREGORY J.
 Thunder Bay
 University of Minnesota
 Intern: Case Western Reserve
 Cleveland
 Pediatrics

GORDON, RICHARD A.
 St. Paul
 St. Paul Seminary
 Intern: Queen's Hospital
 Honolulu
 Flexible

GRANDE, THOMAS E.
 Minneapolis
 University of Pennsylvania
 Intern: U. of Minnesota Hospitals
 Ob-Gyn

GROSHENS, JEFFREY J.
 Jackson
 SW Minnesota State
 Intern: U. of Minnesota Hospitals
 Family Practice

HAILE, JAMES B.
 Sumter, S.C.
 Morehouse College
 Intern: Harlem Hospital
 New York City
 Flexible

HANSON, MARTIN E.
 Beaver Creek
 Augustana College
 Intern: Fairview & St. Mary's
 Minneapolis
 Family Practice

HARAPAT, JOHN E.
 Kenyon
 University of Minnesota
 Intern: Hennepin County Medical
 Minneapolis
 Family Practice

HARDER, JANE DELANEY
 Mitchell, S.D.
 Webster College
 Intern: U. of Minnesota Hospitals
 Neurology

HART, CHARLES E.
 Miller, S.D.
 Notre Dame
 Intern: St. Paul Ramsey
 Family Practice

HART, JAMES F.
 Duluth
 Princeton
 Intern: U. of Minnesota Hospitals
 Internal Medicine

HARTMAN, KEITH E.
 Minneapolis
 Grinnell College
 Intern: U. of Kentucky
 Medical Center
 Psychiatry

HASTINGS, VICKI L.
 Campbell, Nebr.
 University of Denver
 Intern: Hennepin County Medical
 Minneapolis
 Ob-Gyn

HAUGEN, JOHN A.
 Kasson
 St. Olaf
 Intern: St. Paul Ramsey
 Family Practice

HAXBY, ROBERT G.
 Minneapolis
 Carleton
 Intern: Springfield Hospital
 Springfield, Mass.
 Internal Medicine

HEDEMARK, LINDA L.
 Ortonville
 University of Minnesota
 Intern: New England Center Hosp.
 Boston
 Internal Medicine

HEILMAN, DANN K.
 Albert Lea
 St. Olaf
 Intern: U. of Arizona, Tucson
 Pediatrics

HEINICKE, MARK H.
 Honolulu, Hawaii
 Harvard
 Intern: Meyer Memorial Hospital
 Buffalo, N.Y.
 Internal Medicine

HEMENWAY, BARBARA G.
 Duluth
 Carleton
 Intern: Hennepin County Medical
 Family Practice

HENRY, JOSEPH E.
Milaca
St. John's
Intern: Milwaukee County General
Flexible

HILL, CARTER D.
Eau Claire, Wis.
Macalester
Intern: Virginia Mason Hospital
Seattle
Internal Medicine

HOBBS, JOHN
Tallahassee, Fla.
University of Montana
Intern: Presbyterian-St. Luke's
Chicago
Ob-Gyn

HOFFMAN, MONTE A.
Lancaster
Concordia
Intern: Family Practice Residency
Duluth

HORNS, RICHARD C.
Minneapolis
University of Minnesota
Intern: U. of Minnesota Hospitals
Internal Medicine

HOVERSTEIN, PHILIP C.
Brainerd
Augsburg
Intern: Mayo, Rochester, Minn.
Internal Medicine

HOYER, ROBERT C.
Windom
Oberlin College
Intern: N. Carolina Memorial Hosp.
Chapel Hill
Pediatrics

HRUSKA, KERRY L.
Minneapolis
University of Minnesota
Intern: Baylor College Hospitals
Houston
Flexible

HUNTER, ROBERT E.
St. Paul
Macalester College
Intern: Virginia Mason Hospital
Seattle
Flexible

HUSBY, LUCINDA M.
Menomonie, Wis.
St. Olaf
Intern: Hennepin County Medical
Internal Medicine



John Haugen and Dann Heilman on Intern Matching Day. Haugen is in a family practice program at St. Paul Ramsey and Heilman is in pediatrics at the University of Arizona, Tucson.

IDSTROM, MARK E.
Fairmont
University of Minnesota
Intern: U. of Minnesota Hospitals
Diagnostic Radiology

INGLI, ROBERT J.
Ellsworth, Wis.
Wisconsin State
Intern: Northwestern Hospital
Minneapolis
Internal Medicine

IVERSON, GREGORY J.
Binford, N.D.
Concordia College
Intern: Broadlawns Hospital
Des Moines, Iowa
Family Practice

JOHNSON, ALAN H.
Rochester
University of Miami
Intern: Hennepin County Medical
Minneapolis
Surgery

JOHNSON, DANA E.
Arlington Heights, Ill.
Wheaton College
Graduate School
U of Minnesota

JOHNSON, DANIEL L.
Isle
University of Minnesota
Intern: U. of Minnesota Hospitals
Internal Medicine

JOHNSON, DOUGLAS A.
Minneapolis
St. Olaf
Intern: U. of North Dakota
Hospitals, Minot
Family Practice

JOHNSON, GEORGE T.
Boise, Idaho
St. Olaf
Intern: Virginia Mason Hospital
Seattle
Flexible

JOHNSON, ROBERT B.
Elbow Lake
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

JUSTER, IVER A.
Minneapolis
University of Minnesota
Intern: U. of Colorado Hospitals
Denver
Internal Medicine

KAISER, THOMAS E.
Robbinsdale
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

KELLY, PAULA M.
St. Paul
St. Catherine's
Intern: U. of Minnesota Hospitals
Pediatrics

KENEVAN, ROBERT J.
Minneapolis
West Point
Intern: Letterman General Hospital
San Francisco
Flexible

KIELEY, JOHN P.
Minneapolis
Dartmouth
Intern: Hennepin County Medical
Minneapolis
Internal Medicine

KLEIN, FRED E.
Duluth
University of Minnesota, Duluth
Intern: Worcester City Hospital
Worcester, Mass.
Family Practice

KNOPMAN, DAVID S.
Hanover, New Hampshire
Dartmouth
Intern: U. of Minnesota Hospitals
Neurology

KOLAR, STEPHEN J.
St. Paul
St. Thomas
Intern: U. of Minnesota Hospitals
Internal Medicine

KROSKA, DAVID A.
St. Paul
University of Minnesota
Intern: Wright Patterson A.F.B.
Dayton, Ohio
Family Practice

KULENKAMP, STEVEN P.
Mendota Heights
Yale
Intern: U. of Minnesota Hospitals
Family Practice

KUPERMAN, ALLEN P.
Minneapolis
University of Minnesota
Intern: U. of Kansas
Medical Center
Pediatrics

LARSEN, LINDA GETZ
Grafton, N.D.
University of Wisconsin
Intern: Stanford U. Hosp.
Stanford, Calif.
Pediatrics



John Harapat learns that he has been accepted for Hennepin County Medical's family practice residency program.

LARSON, KEITH D.
Mabel
Luther College
Intern: Northwestern Hospital
Minneapolis
Internal Medicine

LEE, JAMES T.
White Bear Lake
University of Texas
Intern: U. of Minnesota Hospitals
Surgery

LE FEVERE, THOMAS V.
Richfield
St. Olaf
Intern: U. of Minnesota Hospitals
Pediatrics

LOES, PETER L.
St. Cloud
St. Thomas
Intern: U of Minnesota Hospitals
Ob-Gyn

LOHSE, DEAN C.
Minneapolis
University of Minnesota
Intern: Yale-New Haven
Medical Center
Surgery

LUEHR, DAVID D.
Preston
St. Olaf
Intern: Family Practice Residency
Duluth

MAC CARTER, DARYL K.
Grand Forks, N.D.
Montana State
Intern: U of Minnesota Hospitals
Family Practice

MAGNUSON, ALLEN E.
Wheaton
Gustavus Adolphus
Intern: U. of Minnesota Hospitals
Pediatrics

MAGRAW, BRONWEN, J.
Minneapolis
Carleton
Intern: U of Minnesota Hospitals
Internal Medicine

MARKESON, JOHN R.
Brigham City, Utah
Carleton
Intern: Northwestern U. Medical
Chicago
Internal Medicine

MASEM, MATHIAS A.
Brainerd
Macalester
Intern: U. of Calif. Hosp.
San Francisco
Surgery

MASTERSON, THOMAS E.
Walnut Grove
University of Minnesota
Intern: Hennepin County Medical
Minneapolis
Family Practice

MAYBURY, JAMES R.
Foley
St. John's
Intern: U. of Indiana Hosp.
Indianapolis
Pediatrics

MC CAMY, CURTIS B.
Albert Lea
Macalester
Intern: U of Minnesota Hospitals
Family Practice

MC GHIE, ROBERT L.
Cut Back, Mont.
Carroll College
Intern: Cincinnati General Hospital
Ob-Gyn

MC GOUGH, PAUL F.
Rice Lake, Wis.
University of Wisconsin
Intern: Mayo, Rochester, Minn.
Diagnostic Radiology

MEHLE, MARGARET HINSON
Great Falls, Va.
University of Wisconsin
Intern: Hennepin County Medical
Minneapolis
Psychiatry

MILLER, FLETCHER A.
Minneapolis
Creighton University
Intern: Mayo, Rochester, Minn.
Internal Medicine

MINER, JOHN A.
Watertown, S.D.
University of South Dakota
Intern: Family Practice Residency
Duluth

MOE, TERRANCE D.
Ronneby
Concordia
Intern: U of Minnesota Hospitals
Family Practice

MOHR, WAYNE S.
Fessenden, N.D.
University of North Dakota
Intern: La Crosse, Wis.
Lutheran Hospital
Flexible

MOLITOR, MICHAEL G.
White Bear Lake
St. John's
Intern: Grady Memorial Hospital
Atlanta
Pediatrics

MONSON, MARK H.
Braham
Gustavus Adolphus
Intern: Michigan State Hosps.
East Lansing
Internal Medicine

MOODY, GARY A.
Grand Rapids
Macalester
Intern: Hennepin County Medical
Minneapolis
Surgery

MORGENSTERN-CLARREN,
HADLEY
Minneapolis
Yale
Intern: Case Western Reserve
Cleveland
Internal Medicine

MOSER, CHARLES H.
Hills
USAF Academy — Colorado
Intern: West Virginia U. Hosp.
Morgantown
Surgery

MOSLEY, FREDERICK J.
Lakefield
Moorhead State College
Intern: St. Paul Ramsey
Ob-Gyn

MURRAY, BRIAN J.
Hopkins
St. Olaf
Intern: San Bernardino
County Hospital
Family Practice

NAEGELI, THOMAS J.
Edina
University of Minnesota
Intern: U of Minnesota Hospitals
Family Practice

NEIST, ROGER L.
Albert Lea
University of Iowa
Intern: U of Minnesota Hospitals
Ophthalmology

NELSON, DENNIS P.
Redwood Falls
St. Olaf
Intern: U of Minnesota Hospitals
Family Practice

NELSON, RAYMOND D.
Minneapolis
University of Minnesota
Intern: U of Minnesota Hospitals
Ob-Gyn

NESHEIM, ROBERT S.
Albert Lea
St. Olaf
Intern: U of Minnesota Hospitals
Internal Medicine

NIETO, ARTHUR J.
Albuquerque, N.M.
University of New Mexico
Intern: U. of North Dakota Hosps.
Minot
Family Practice

NOLAN, JAMES T.
St. Paul
Carleton

NORD, ALLEN E.
Sioux Falls, S.D.
University of South Dakota
Intern: Eisenhower Army Medical
Fort Gordon, Ga.
Family Practice

NORD, WESLEY J.
Wheaton
University of Minnesota, Morris
Intern: Hennepin County Medical
Minneapolis
Family Practice

NYMO, MARK T.
Strum, Wis.
St. Olaf
Intern: U of Minnesota Hospitals
Family Practice

OLSEN, STEPHEN C.
Montevideo
University of Minnesota, Morris
Intern: U of Minnesota Hospitals
Family Practice

OLSON, RICHARD A.
Richfield
University of Minnesota
Intern: U of Minnesota Hospitals
Family Practice

O'ROURKE, PATRICIA P.
Bristol, Conn.
Yale
Intern: Massachusetts General
Pediatrics

PALMEN, MICHAEL A.
Wabasha
Gustavus Adolphus
Intern: San Mateo, Calif. County
Mental Health Center
Psychiatry



Mike Feigal learns that he "matched" at the University of Minnesota for his residency in family practice.

- PARKER, DANIEL**
Sebeka
University of Minnesota
Intern: U of Minnesota Hospitals
Internal Medicine
- PAULSON, ROLF R.**
St. Paul
St. Olaf
Intern: Mayo, Rochester, Minn.
Internal Medicine
- PAVELA, STEPHEN L.**
LaCrosse, Wis.
St. John's
Intern: U of Minnesota Hospitals
Internal Medicine
- PETERS, CARL H.**
Clear Lake
St. Cloud State
Bankers Life Ins. Co.
Des Moines, Iowa
- PETERSEN, DEBORAH A.**
Edina
Pembroke College, Brown University
Intern: U of Minnesota Hospitals
Ob-Gyn
- PETERSON, DOUGLAS A.**
Duluth
St. Olaf
Intern: Hennepin County Medical
Minneapolis
Internal Medicine
- PHILLIPS, GEOFFREY D.**
Chicago, Ill.
University of Illinois
Intern: Cottage Hospital
Santa Barbara
Flexible
- PLOCHER, DAVID W.**
Mankato
University of Minnesota
Intern: U of Minnesota Hospitals
Internal Medicine
- PONG, DAVID W.**
Hong Kong
St. John's University
Intern: U. of S. Calif. Medical
Los Angeles
Surgery
- PRIEST, JOHN R.**
Minneapolis
University of Minnesota
Intern: U of Minnesota Hospitals
Pediatrics
- PRYOR, TIMOTHY D.**
Edina
St. Olaf
Intern: U of Minnesota Hospitals
Family Practice
- RADDATZ, DONALD A.**
Evergreen Park, Ill.
Holy Cross College
Intern: U of Minnesota Hospitals
Internal Medicine
- RATH, MICHAEL B.**
Medford
St. Thomas
Intern: Family Practice Residency
Duluth
- RAUER, JAMES M.**
St. Paul
St. Thomas
Intern: Mayo, Rochester, Minn.
Diagnostic Radiology
- RE MINE, STEPHEN G.**
Rochester
University of Virginia
Intern: Mayo, Rochester, Minn.
Surgery
- ROBERTS, ANDREW B.**
Fort Washington, Pa.
Princeton
Intern: Massachusetts General
Surgery
- RODMAN, WILLIAM P.**
Edina
Princeton
Intern: U of Minnesota Hospitals
Ophthalmology
- ROSENBAUM, EDWARD L.**
Aitkin
St. Cloud State
Intern: St. Paul Ramsey
Family Practice
- ROTH, TERRY R.**
Minneapolis
University of Minnesota
Intern: U of Minnesota Hospitals
Neurology
- SBOROV, MARK D.**
Honolulu, Hawaii
University of Hawaii
Intern: Hennepin County Medical
Minneapolis
Internal Medicine
- SCHELLHAS, KURT P.**
Edina
University of Minnesota
Intern: U of Minnesota Hospitals
Family Practice
- SCHEURER, KURT K.**
Minneapolis
University of Minnesota
Intern: U of Minnesota Hospitals
Internal Medicine
- SCHMELZER, RICHARD G.**
Rochester
St. John's
Intern: Hennepin County Medical
Minneapolis
Family Practice
- SCHMIDT, THOMAS A.**
Lake Crystal
St. Olaf
Intern: Hennepin County Medical
Minneapolis
Family Practice
- SCHWARTZ, DANIEL H.**
Minneapolis
University of Minnesota
Intern: Jewish Hospital
St. Louis
Ob-Gyn
- SEAQUIST, MARK B.**
Minneapolis
St. Olaf
Intern: Naval Medical Center
San Diego
Pathology

SEGAL, NOLAN M.
 Minneapolis
 University of Minnesota
 Intern: U. of S. Calif. Medical
 Los Angeles
 Orthopedic Surgery

SMITH, THOMAS R.
 St. Paul
 University of Minnesota
 Intern: University of Iowa Hospitals
 Iowa City
 Internal Medicine

SULLIVAN, JOHN J.
 LaCanada, Calif.
 Pomona College
 Intern: Medical College, Wis.
 Milwaukee
 Pediatrics

SEIFERT, AVERY L.
 Pelican Rapids
 Concordia
 Intern: University of Oregon Hosp.
 Portland
 Flexible

SOLBERG, CRAIG P.
 Mendota Heights
 University of Minnesota
 Intern: U of Minnesota Hospitals
 Family Practice

SWEENEY, DENNIS P.
 St. Paul
 Boston College
 Intern: St. Raphael Hospital
 New Haven, Conn.
 Internal Medicine

SERDULA, MARY K.
 St. Cloud
 St. Cloud State
 Intern: Butterworth Hospital
 Grand Rapids, Mich.
 Internal Medicine

SOLHAUG, MICHAEL J.
 Minneapolis
 St. Olaf
 Intern: Grady Memorial Hospital
 Atlanta
 Pediatrics

THIEL, TERRANCE J.
 Bertha
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Family Practice

SHAFFER, ANITA M.
 Superior, Wis.
 Michigan State
 Intern: U. of Washington Hosps.
 Seattle
 Internal Medicine

SPECKMAN, JERRY M.
 Litchfield
 University of Minnesota
 Intern: USAF Medical Center
 Lackland AFB, San Antonio
 Radiology

THOM, PETER A.
 St. Louis Park
 Wheaton College
 Intern: Hennepin County Medical
 Minneapolis
 Internal Medicine

SHELVER, STEVEN J.
 Bloomington
 University of Minnesota
 Intern: Hennepin County Medical
 Minneapolis
 Family Practice

SPRANGERS, MARK T.
 St. Paul
 St. Mary's
 Intern: Hennepin County Medical
 Minneapolis
 Family Practice

TIERNEY, JAMES F.
 St. Paul
 St. Thomas
 Intern: U. of Minnesota Hospitals
 Internal Medicine

SHREWSBURY, DONALD W.
 St. Paul
 Carleton
 Intern: U. of Oregon Hospitals
 Portland
 Flexible

SPROAT, DAVID N.
 St. Paul
 University of Minnesota, Duluth
 Intern: Blodgett Memorial Hospital
 Grand Rapids, Mich.
 Internal Medicine

TIERNEY, ROBERT J.
 St. Paul
 St. John's
 Intern: U. of Minnesota Hospitals
 Internal Medicine

SIAS, ROBERT J.
 Minneapolis
 University of Minnesota
 Intern: St. Joseph's Hospital
 Denver
 Internal Medicine

STERNKE, DENNIS J.
 Ivanhoe
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Family Practice

TSAI, STEVE Y.
 Minnetonka
 University of Minnesota
 Intern: Hennepin County Medical
 Minneapolis
 Internal Medicine

SIMON, LYNN M.
 Sisseton, S.D.
 University of South Dakota
 Intern: Hennepin County Medical
 Minneapolis
 Surgery

STROBL, FREDERICK, T.
 Long Lake
 University of Minnesota
 Intern: U. of Minnesota Hospitals
 Neurology

TURNER, GAIL G.
 St. Louis Park
 Colorado College
 Graduate School
 U. of Minnesota

SKOGERBOE, ROLF N.
 Crystal
 University of Minnesota
 Intern: U. of Chicago Clinics
 Surgery

STYRVOKY, ELIZABETH
 Grand Forks, N.D.
 Jamestown College
 Intern: Northwestern Hospital
 Minneapolis
 Internal Medicine

TURNER, SCOTT V.
 Winona
 St. Mary's
 Intern: U. of Minnesota Hospitals
 Family Practice

ULLAND, ROLF P.
Austin
University of Minnesota
Intern: Tufts University Hospitals
Boston
Ob-Gyn

VADHEIM, JEFFREY P.
Olivia
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

VARNER, MICHAEL W.
Rochester
St. Olaf
Intern: University of Iowa Hosp.
Iowa City
Ob-Gyn

VESALL, DAVID J.
Stillwater
University of Minnesota
Intern: Hennepin County Medical
Minneapolis
Family Practice

VILIPSKI, MICHAEL J.
Minneapolis
St. Mary's College
Intern: Mayo, Rochester, Minn.
Pediatrics

VOLBERDING, PAUL A.
Rochester
University of Chicago
Intern: U. of Utah Hospitals
Salt Lake City
Internal Medicine

VON RUEDEN, THOMAS J.
Roseville
University of Minnesota
Intern: New York University
Medical Center
Surgery

WATSON, CRAIG, W.
St. Paul
University of Colorado
Intern: Mercy Hospital
Denver
Family Practice

WATSON, ROBERT W.
St. Louis Park
Carleton
Intern: Northwestern Hospital
Minneapolis
Internal Medicine

WEDUL, MARK V.
Winona
Iowa State
Intern: Edward W. Sparrow Hosp.
Lansing, Mich.
Flexible

WENNGATZ, HALBERT F.
Minneapolis
University of Minnesota
Intern: U.S. Naval Installation
Charleston, S.C.

WERPY, MARK C.
Appleton
Moorhead State College
Intern: U. of Minnesota Hospitals
Family Practice

WESTRA, BRADLEY D.
Austin
University of Minnesota
Intern: U. of Minnesota Hospitals
Family Practice

WHEELER, MARK P.
St. Louis Park
University of Minnesota
Intern: U. of Minnesota Hospitals
Internal Medicine

WHEELER, ROBERT M.
Minneapolis
University of Minnesota
Intern: Hennepin County Medical
Minneapolis
Family Practice

WILDER, LAWRENCE L.
Albert Lea
St. Mary's
Intern: U. of North Dakota Hosp.
Minot
Family Practice

WILLIAMS, GARY A.
Chaska
University of Minnesota
Intern: Hennepin County Medical
Minneapolis
Family Practice

WINGERT, TERENCE D.
Dover
University of Minnesota
Intern: VA Medical Center
Los Angeles
Internal Medicine

WITRAK, GEOFFREY A.
Excelsior
St. Olaf
Intern: Mayo, Rochester, Minn.
Ophthalmology

WOOD, KATHLEEN A.
Bismarck, N.D.
University of North Dakota
Intern: U. of Minnesota Hospitals
Diagnostic Radiology

WOODBIDGE, PETER A.
Buenos Aires, Argentina
Brown University
Intern: U. of Minnesota Hospitals
Pathology

YECHA, DAVID J.
Thunder Hawk, S.D.
Northern State College
Intern: Family Practice Program
Sioux Falls, S.D.
Family Practice

DR. FRANK NEWELL RECEIVES AWARD

Dr. Frank W. Newell, head of the department of ophthalmology of the University of Chicago, received the University of Minnesota's Outstanding Achievement Award during commencement ceremonies for graduates of the University of Minnesota Medical School. The award, presented to Newell by Dr. Lyle A. French, vice president for health sciences, is given to University of Minnesota alumni who have attained high distinction and honors in their chosen fields.

Newell, a nationally known teacher, researcher and clinical practitioner of ophthalmology, received a Master of Science degree in ophthalmology from the University of Minnesota in 1942. He has authored 11 books dealing with refraction, glaucoma and ophthalmology principles, has been an editorial staff member of six medical journals and has published numerous articles relating to ophthalmology.

Before joining the University of Chicago faculty in 1953, Newell taught at Northwestern University and served in the U.S. Army Medical Corps. He has also been a visiting professor at the Universities of California, Florida and Puerto Rico and at Johns Hopkins University.

LIVERMORE RESEARCH AWARD

The Minnesota Medical Foundation's 1975 J. Thomas Livermore Memorial Award for student research in hematology was presented to Renner S. Anderson and Richard C. Horns, both members of the 1975 graduating class in medicine. The award was established in 1971 to encourage promising young blood researchers and is named for a young man who died of leukemia in University Hospitals.

Anderson worked with Drs. William Krivit, Mark Nesbit, and associates, in the pediatrics department investigating possible predisposing factors in the in-

creased incidence of leukemia in certain families.

Horns worked with Drs. Harry S. Jacob and Phillip Craddock in the section of hematology, department of medicine, investigating means whereby white blood cells might be more efficiently harvested and kept functional for therapeutic use in patients with leukemia and other hematologic malignancies.

Anderson and Horns divided the \$500 Livermore award. Previous winners were John K. Bruce, David J. Scott, Michael S. McGrath and Paul A. Volberding.



The 1975 Livermore Award dinner provided the opportunity for this alumni picture (left to right): Renner S. Anderson (Med. '75), co-winner of the Livermore Award; Renner's wife, Martha Mitchell Anderson (Med. '74); Richard C. Horns Jr. (Med. '75), Livermore Award co-winner, and Richard C. Horns Sr. (Med. '42). Renner's father is Arnold S. Anderson (Med. '43).

1975 Medical Student Achievement Awards

Purpose

The object of the Minnesota Medical Foundation's Student Achievement Award program is to find and reward medical students who demonstrate rare qualities of current performance and appear capable of exceptional future contributions to medicine. Candidates are sought for qualification under any or all of the following three general areas of achievement:

ACADEMIC EXCELLENCE — In recognition of exceptional scholastic record, scientific research activities, academic awards won.

STUDENT LEADERSHIP — In recognition of service to institutional goals of the Medical School, and involvement in student organizations and extracurricular activities.

COMMUNITY SERVICE — In recognition of demonstrated concern for the public good, volunteer professional service and humanitarian responsibility.

Selection

Award winners are selected by the Honors and Awards Committee of the Minnesota Medical Foundation from nominations submitted by students, faculty and other persons associated with the University of Minnesota Medical Schools. The Honors and Awards Committee also determines the number of awards to be given and the amount of the honoraria.

Past winners have received \$1,000 cash prizes.

The Fourth Annual Medical Student Achievement Awards of the Minnesota Medical Foundation were presented May 1, 1975, to:

*Holly Doyne Richard B. Fox
Mathias Masem Rodney G. Olson.*



Holly Doyne

DOYNE, a 1975 graduate of the Medical School's accelerated three-year program, is both a physician and a sociologist. At the same time she was a medical student, she was also a graduate student and a teaching assistant in the University of Minnesota's department of sociology, where she lectured on the sociology of death and dying. She received an Ober Foundation Fellowship in Death, Grief and Bereavement and has participated in numerous community workshops on death and dying. She helped prepare a series of taped review sessions for the Medical School's histology classes. She served as a Minnesota delegate to the Student American Medical Association and chaired its Minnesota committee. She has been active in the Association of American Medical Colleges, especially as a member of its Organization of Student Representatives, for which she was national parliamentarian. She was active on the Medical Student Council and was chairman of its honors and awards committee. She has served as the physical rehabilitation officer of the International Federation of Student Medical Associations and was a delegate to the International Federation of Physical Medicine and Rehabilitation in Mexico City in 1974. She entered a residency program in the University of Minnesota's department of physical medicine and rehabilitation in July. She is a native of the Twin Cities area. She did her undergraduate work at the University of Minnesota and was a 1968 graduate of Chaska High School.

(Continued next page)



Richard B. Fox, and son.

FOX, also a three-year graduate of the Medical School this June, served on the Medical School's educational policy committee for two years. He developed a teaching program emphasizing the team approach to medical care and has been active in the all-health-sciences student organization called CHIP (Council for Health Interdisciplinary Participation) at the University. He participated in discussions before the Metropolitan Health Board and the Metropolitan Council on the importance of health sciences building "Unit B-C" to the clinical services and educational programs of the University's Health Sciences Center. The building is now under construction at the University. He served on the Minnesota State Task Force for Allied Health Manpower and was a speaker for an allied health educators training institute sponsored by the federal department of Health Education and Welfare. He has been very productive in research of oxygen toxicity in the newborn child, where his discoveries are expected to lead to improved methods of treating this disease. He began a residency program in pediatrics at University of Minnesota Hospitals in July. Fox is a Minneapolis native. He was graduated from West High School and did his undergraduate work at Michigan State University.



Mathias Masem

MASEM served as president of the 1975 graduating class in medicine and was immediate past president of the Medical Student Council. He was a research fellow for three years in the Medical School's department of family practice and was a student member of some faculty educational planning group each year of his medical school training. He served as the only student member of the American Academy of Family Physicians' national commission on legislation and public policy. He was a member of the Minnesota State Medical Association's committee on public policy and also its committee on student financial aid. He served on the national legislative affairs committee of the Student American Medical Association. During his senior year of Medical School, he served a three-month externship in India, treating lepers, and wrote a paper on the current status of medical care for leprosy. He also did research in immunology and tumors at the University of Minnesota. In July, 1975, he began a residency program in surgery at the University of California Medical Center, San Francisco. Masem is from Brainerd, Minn. He is a graduate of Shattuck School in Faribault and Macalester College, St. Paul.



Rodney Olson

OLSON is the first product of the new University of Minnesota-Duluth (UMD) School of Medicine to receive a Minnesota Medical Foundation Student Achievement Award. He completed his first two years of Medical School at UMD and is currently in Two Harbors, Minn., on the Rural Physician Associate Program, by which third-year medical students learn medicine under the tutelage of rural physicians. Coincidentally, Olson, like Masem, is a native of Brainerd. He graduated from Washington High School in Brainerd in 1965. He completed his first two years of college at Brainerd State Junior College and finished his undergraduate education at St. John's University in Collegeville. He was a member of the search committee for a new dean for the UMD School of Medicine. While he and his wife, Carol Ann, were both working for VISTA prior to his entering Medical School, he was instrumental in establishing a community free clinic in Duluth. His work with the clinic encompassed everything from staffing, patient care and fund-raising to painting and general maintenance. He also helped create a preventive medicine program in the Duluth Medical School, using the clinic as the training and patient contact center. He served as student representative to the Duluth Medical School's educational policy committee and was also student representative for a number of less formal faculty groups.

'71 ALUMNUS GETS RESEARCH AWARD

Douglas Koehntop, M.D., a 1971 graduate of the University of Minnesota Medical School, has won the 1975 resident's research contest of the American Society of Anesthesiologists. His paper, "Pharmacological Enhancement by Cocaine, Tropolone, Aminophylline and Ketamine of Epinephrine-Induced Arrhythmias During Halothane-Nitrous Oxide Anesthesia," will be presented at ASA's annual meeting in Chicago on Oct. 14.

Koehntop served his medical internship at Hennepin County Medical Center, Minneapolis, and completes his residency in anesthesiology at the University of Minnesota this year. He will spend the next two years in the Army, with the anesthesia staff at the 130th Station Hospital, Heidelberg, Germany.



Dr. Koehntop

MINNESOTA TO STUDY PROSTATE CANCER

Minnesota men are subject to an unusually high incidence of cancer of the prostate gland, and University of Minnesota health researchers are beginning a three-year \$250,000 study to find out why.

A National Cancer Institute (NCI) study of nine areas in the United States during 1969-71 indicated Minneapolis-St. Paul had the highest rate of prostate cancer.

University investigators under the direction of Dr. Leonard Schuman, professor and head of the division of epidemiology in the School of Public Health, with the cooperation of the Minnesota Urological Society, will interview prostate cancer patients in Twin Cities hospitals and control groups in the hospitals and the general population.

The study will test two theories about prostate cancer: that it may be caused or affected by a virus transferred through sexual intercourse, and that it is due to changes or differences in hormonal patterns.

HEALTH SERVICE BUILDING RENAMED IN HONOR OF DR. RUTH BOYNTON

The University of Minnesota Health Service was renamed the Boynton Health Service May 20 in honor of Dr. Ruth Boynton (Med. '20), director of the Health Service from 1936 to 1961. Dr. Boynton, now retired in Florida, attended the name-changing ceremonies.

Dr. Boynton retired from the Health Service in 1961. She became its director in 1936. Under her leadership virtually all of the stated purposes of the service were fully developed and refined. She earned many honors in the field of public health in the United States and in Great Britain.

She was born in LaCrosse, Wis., in 1896. She was graduated from the University of Minnesota Medical School in 1920 and was soon named assistant director of the Student Health Service at the University, as one of then director Harold S. Diehl's first appointments. From 1922 to 1927, she was first instructor and then assistant professor of preventive medicine and public health at the University of Minnesota. In 1927 she was granted a master's degree in public health, and accepted a position as assistant professor of medicine and chief medical advisor for women at the University of Chicago. Four years later, she returned to Minnesota as associate professor of preventive medicine and public health. For three years, during World War II, she was acting director of the University of Minnesota School of Public Health.

At the Health Service, she conducted special studies of tuberculosis, including infection rates among student nurses. She found that among students whose training was limited to general hospitals without special tuberculosis services, the infection attack rate was 100 times greater than that of students in the College of Education.

In 1939, she became a member of the Minnesota State Board of Health, where she served as vice president in 1943 and president in 1945. She remained a member of the Board until her retirement from the University.

She became a member of the American Student Health Association, later called the American College Health Association, at its beginning and was secretary from 1935 to 1940 and president from 1940 to 1941.





Dr. Boynton and Dr. Donald W. Cowan, another former director of the Health Service.

ALMA MATER CALLING



Associate Dean H. Mead Cavert, M.D., chairman of the Phonathon, in foreground of a room full of medical student volunteers.

On three nights in June, the Minnesota Medical Foundation, with the help of medical students, faculty and MMF Trustees, called more than 1,000 University of Minnesota medical alumni to visit about the Medical School and to ask for financial support.

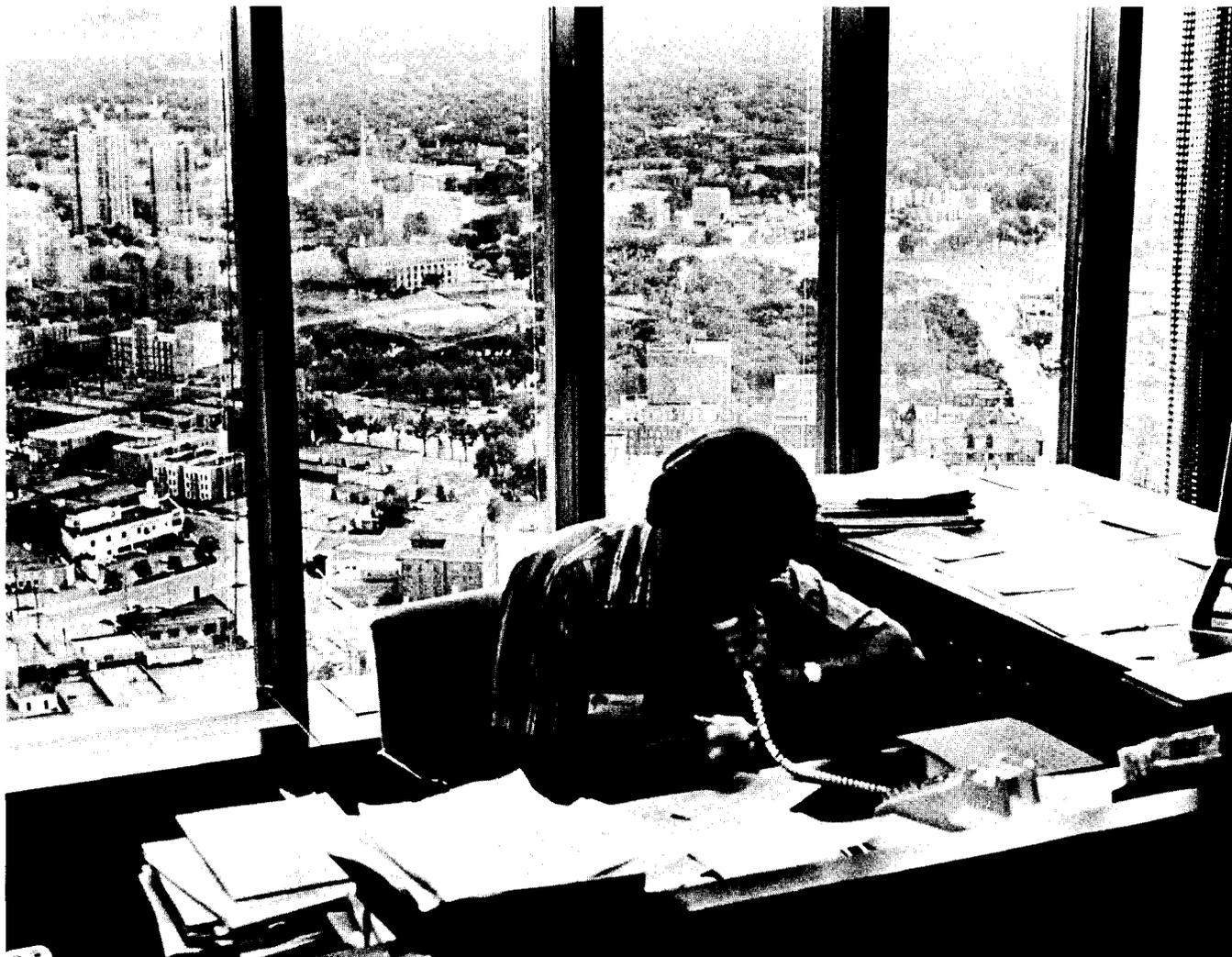
The WATS lines of Merrill Lynch Pierce Fenner and Smith investment firm, 3900 IDS Building, Minneapolis, were donated to MMF for the three nights of the Phonathon.

More than 350 pledges, totalling \$18,365 were received. Since the Phonathon, more than half of the pledged money has been received by MMF and about \$5,000 more has been received from persons who didn't make a pledge the night they were called.

The vast majority of those called were happy to hear from their Medical School. Recent donors to the Foundation were not called — only potential new donors or past donors who had not given a gift for more than a year.



On a not-so-successful night of calling for pledges, Bruce Lydiard remarked, "Medical School makes me feel inadequate enough, but this is ridiculous!" He returned another night to record more than \$600 in pledges, high tally for the night. Merrill Lynch's Glen Gore congratulates Bruce.



With lots of calls to make, there was little time to admire the view of Minneapolis from the 39th floor of the IDS Building.

CONTINUED NEXT PAGE

Phase A medical student Deb Eckstrom recorded the largest amount in pledges the first night of the three-night Phonathon.



PHONATHON CONTINUED



Dennis Weiler and Leonore Herrera, both members of the Phase A class, made a remarkably successful team and worked all three nights of the Phonathon. They were married a few weeks after the Phonathon. (MMF can't take any credit for that, the marriage was planned before the Phonathon). The two together, in three nights of calling, raised \$1,995.



A few of those called were unhappy with MMF or the Medical School. Notes were made and efforts will be made to patch up those relations. The volunteer callers had a lot of fun, and, for the most part, so did those called. Some corrections in MMF's records were made as a result of the calls. (One student caller reached a dentist who had somehow ended up on our M.D. alumni list. The dentist said, "That's OK, I don't have anything against physicians," and pledged \$50). Other students got pledges from alumni who then referred them to sons, fathers, brothers, etc., to seek further pledges.

MMF will definitely be doing it again. But, you don't have to wait for a call to send a contribution to the Minnesota Medical Foundation. There is a business envelope in this magazine. Your gifts are tax deductible.

Dr. David M. Brown raised the highest number and dollar amount of pledges in a single night — 20 pledges totalling \$1,325. Dr. Brown, professor of pediatrics, laboratory medicine and pathology, is a member of the Minnesota Medical Foundation's Development Committee.

CARDIOVASCULAR CENTER DEDICATED JUNE 19

The Cardiovascular Research and Training Center was dedicated at the University of Minnesota June 19.

Honored guests at a tour and banquet were the members of the Variety Club of the Northwest, Tent No. 12, who raised \$5 million toward the center's 17.6 million cost. The center is adjacent to the Variety Club Heart Hospital on the Minneapolis campus.

The center's 70,000 square feet of research laboratory space will be used on an interdisciplinary basis to study cardiology, pulmonary disease, hypertension, renal vascular disease, transplantation biology and biomedical engineering.

Like other newer health sciences buildings in use or planned ("Unit A" and "B-C"), the Cardiovascular Research and Training Center carries a simple official name — it's "Unit K-E".

Building K-E has three floors above ground and two below. It interconnects at all five levels of the Heart Hospital into a single unit. The main entrance faces River Road.

The first floor and the sub-basement have been designated Unit E — Central Health Receiving. All goods and materials entering the Health Sciences complex are received and either stored in this area or distributed from it

through the network of tunnels winding in many directions from the first floor loading space.

The animal research area on the mezzanine has another tunnel system designed to transport animals from one research area to another within the Hospitals' complex.

This newest and finest of the University animal facilities includes two large operating suites designed exactly like those for humans, an angiographic lab where studies of blood vessels by x-ray and catheterization are conducted, and a primate center designed to accommodate as many as 100 monkeys. The center's second floor is de-



Cardiovascular Research and Training Center. (Photo by Marlene Schmidt).

(Continued next page)

voted primarily to cell biology research.

In addition to the laboratories, the second floor has two electron microscopes to study blood vessel ultrastructure, and space for an additional analytical electron microscope. "But," said Dr. Robert Vernier, organizer and supervisor of the still developing center, "we ran out of money. We'll have to wait a while before we can buy the \$187,000 analytical electron microscope. The cost escalations as we built the Cardiovascular Center were astounding. Everything we touched turned to gold. We were forced to cut back on some equipment, but we'll get it eventually."

Also located on the second floor is the Dwan Learning Center currently being organized by Dr. James Moller.

On the third floor, biomedical engineers work with physicians, surgeons and cell biologists — contribut-

ing their knowledge of pumps and sheer forces and the interplay between plastic surfaces.

The overall concept of the Cardiovascular Center is to provide non-departmental interdisciplinary space. Space within the Center is assigned not to departments but to the research function of the individual.

VARIETY CLUB

Since its charter in 1934, the Variety Club of the Northwest, an organization of people from the entertainment world, has had an interest in the health and welfare of children. Toward the end of World War II, a former "Chief Barker" of the Variety Club and his physician, a University Hospitals staff member, recognized the need for a hospital devoted solely to the treatment and study of heart disease in both children and adults. Con-

struction of the University's Variety Club Heart Hospital began with a \$300,000 check from the Variety Club in 1948. For 27 years and with \$5 million, the Variety Club has continued to support the hospital — the first of its kind in the country.

Open heart surgery, heart valve replacement and heart transplantation, now taken for granted, were pioneered by the physicians and surgeons who worked and trained at VCHH.

The Variety Club rose to the new challenge when the University began planning to meet new needs for an interdisciplinary approach to heart research. When anticipated federal support for the planned cardiovascular center did not develop, the Variety Club stepped in. Dr. Paul Dwan, pioneer pediatric cardiologist now retired from the University faculty, pledged \$2.6 million, and the Variety Club raised the rest.

Is Today Really Yesterday's Tomorrow?

(Third Bell Memorial Lecture and Dedication of the E. T. Bell Museum, University of Minnesota, April 5, 1975, by Edward A. Gall, M.D., Distinguished Service Professor, University of Cincinnati.)

Believe me when I tell you how pleased and flattered I am to be back sharing this celebration with so many old friends weathering the effects of time and the vicissitudes of life. I would have thought that this was only to be expected in this haven of unfettered living and unpolluted beverages, but I've discovered that many of you have come from California, Vancouver, New York, Pennsylvania, Washington, Mississippi, to mention only a few of your far flung locations; know you must just be a happy lot.

Several times Ellis Benson asked me for a title for this talk, but I was at a loss to give him one. We're here to honor Elexious Thompson Bell, "E.T." and "Tommy" to you, to stand shoulder to shoulder in his memory and, a few of us, to sip the products of Kentucky and Scottish mountain creeks. Just how does one select a title for a speech on such an occasion? Since I'm sensitive to a friend's demands, and, in addition, an insecure sort of a person, I chose a theme from what I think to be as safe a source available, the Old Testament. The quotation I selected seemed appropriate for an assemblage containing many pathologists and was obviously written by a petulant clinician (physicians were grumpy even in those ancient times). I quote from the Book of Isaiah, Chapter XXVIII, Verse 19: "From the time it goeth forth . . . It shall be a vexation only to understand the report."

However, in the meantime, Dorothy Sundberg called to tell me that there was a deadline to be met for printing the

program. I backed away from my original choice and gave her the title, "Is today really yesterday's tomorrow?" You will be able to judge which title has prevailed by the time I finish.

Having announced a caption (or captions), how do I go about implementing it (or them)? Ellis warned me to keep my discourse "light and pleasant," Dorothy, on the other hand, was somewhat more restrictive. She said that any effort at being "flossy" would be inappropriate for this occasion. How do I get by this Scylla and Charybdis without losing my rudder? How can I tell a group like this about a man who has left an indelible imprint on the University of Minnesota, its Medical School, and most of all, upon you gathered here who have had his tutelage, his counsel, his friendship, and his love? It would be futile for me, a mere outsider, to attempt this, and might even be considered by some, a rank intrusion. Can I truly memorialize a man, who though gone for 12 years, remains so freshly alive in our minds? Dr. Bell would be 95 years old this year. I doubt this seems possible to most of you here. Despite a few infirmities, he was so vital up to the time of his unexpected and tragic death while traveling back in time to search out his boyhood haunts in Missouri.

In a roundabout way, Dr. Benson made a subtle point (at least I thought it was subtle) when he implied that E.T. and I were more or less contemporary. Although this is not quite so, chronologically — which you will have to accept on

faith — I am certainly a product of the same golden age of what the youngsters among you are now prone to call, with curled lip, “morbid anatomy” and which we oldsters proudly recall as the “real pathology.”

BELL HONORS

By one means or another you have honored and continue to honor Tommy Bell: affixing his name to your pathology laboratories, to a lectureship, to a medal (of which I am now a proud possessor), and now once again to a teaching/learning facility which found its inception in the E.T. Bell Museum Fund initiated in the year of his retirement from the Chair of Pathology, 1949. But he, more than you, perpetuated his memory in the minds of thousands of young and not so young folk who had the bounty of his teaching, and even beyond, the broad field of medical science which benefited immeasurably from his principle of reporting only what he knew from personal experience, and doing so in a clear, uncluttered, factual manner. His eight-times published Textbook (1930-1956), his twice published monograph of Renal Disease (1946, 1950), and that child of his latter years, the monograph on Diabetes Mellitus are clearly in point.

As to the validity of his own pronouncements, only a few weeks ago Bob Heptinstall, one of the second wave of pathological renologists (we are now in the fourth or fifth wave), commented that the Bell text on kidney disease was a bed rock without which modern nephrologists, pathological or otherwise, would have little foundation for their latter day conceptualizations. Need I further recall to you the statement by James Ewing, himself renowned for his fundamental contributions to neoplastic disease, that in his estimation, E.T. Bell was the greatest clinical pathologist in the world of the day. I remind you that the term “clinical pathologist” as Ewing used it related to the capacity of correlating lesions with clinical manifestations. It did not encompass quite as broad a scope as does the definition devised by the College of American Pathologists.

The essence of this man appears in letters, speeches, and testimonials of which there are, as you know, a superabundance. A man after all is what those who have lived with him say he is. Let me list only a few of these attributes: Wise - Logical - Honest - Straightforward - Succinct - Witty - Humane - Warm - Decent - Kindly - Tolerant - Admired - Respected - Honored - and Loved.

Can one say more than what has been recorded so many times over the years? Nowhere, moreover, is there recorded a single adverse comment. How very much I envy him this. Last November I was the recipient of a testimonial dinner on the occasion of my too long delayed retirement from administrative responsibilities. 'Twas a gala affair as such things are prone to be, especially when there is an open bar. Several speakers were kind beyond all expectation — or justification. And then, one of my closest associates and of longest standing rose and said: “I am not sure I know who it is that all you people have been talking about. He's certainly no one that I've known all these years. Ed Gall, a gentle man? No way!”

I am told that Dr. Bell's lectures and his C.P.C. summations were exemplary in factual, incisive, and logical simplicity. In his books, each preface says in the fewest words necessary and with the fewest syllables per word

what the volume is about, and how it is organized to accomplish its purpose. The words are crisp, fresh, and clear.

NEW STYLE

We have come along way from the comfortable literary style of Dr. Bell's day. On a number of occasions, I have had the opportunity to review manuscripts of newly written textbooks of pathology. As an eager, though comparatively mature learner, their content, and especially their prefaces have, I must confess, often left me chilled and bewildered. Let me read to you what has now become an established pattern, it is actually a composite of several examples that have recently come to hand. Please keep in mind the forthright style used by Dr. Bell, and you can appreciate my sense of unease — or, perhaps, my lack of adaptability to the times. I read:

“We are all in agreement that modern Pathology might well be enriched were its relationships brought more sharply into focus on its present day objectives. For this to eventuate there would need to be a clear appreciation of recent advances now in vogue as well as those which emerged during a less enlightened and less sophisticated era. There must be far less insularity than has heretofore existed. The author as well as the reader must be free, each to select his own goals, and neither may be constrained in matters of form or substance. In selecting a format one must appreciate that no prospect of learning exists if a faculty (or a writer) is rigid in concepts, or students are wanting in motivation. This volume provides a sufficient number of optional pathways so that whatever the initial inclination, each reader will find a free choice consistent with his particular bent.”

I trust the meaning and intent here are understandable to you; I think they are to me. We have obviously undergone a massive language convulsion. Our system of communication seems to have come upon evil times, and we encounter more and more difficulty in transmitting our meaning to others. I am reminded of the futility of convincing a five-year-old that sex is more fun than chocolate ice cream. When the textbook Joel Brunson and I put together came a cropper despite our thought that we were responding to a clamoring profession, I sought reasons for its apparent lack of sale and in a moment of whimsy, put my thoughts into what may appear to be very free verse, To wit: “Rhapsodies of rhetoric seem to rouse ranting from irrational critics. One may ruminate upon the absurdities of reviewers, but protest merely provokes further opprobrium, and thus may be ruinous. Let the rubric read: “As the rhubarb reverberates, authors must proceed rapidly to responsive revision. In this manner royalties may accrue with rhythmic regularity.”

BELL ON MINNESOTA

Forgive me this lapse and consider the more serious matter of higher education and Dr. Bell's appraisal of it. In 1950, using the *Journal Lancet* as his medium, he recounted the history of your School of Medicine; with characteristic honesty he said, “It has occasionally been necessary to be unkind, but a historian must tell the truth as he sees it.” Even here the bite of his unkindness, however, came more from what he did not say than what he actually wrote. For example, one official he said was a poor judge of scholarship, measuring a person more by his social graces than

(Continued next page)

by his qualities as an academician. In another instance, he said of an administrator's accomplishments, "the building program was advanced but there was otherwise no progress." One President of the University sought an affiliation with the Mayo Clinic but was bitterly opposed by the clinical faculty — a strange phenomenon wasn't it? It is certainly incomprehensible to me. Another President made no important changes, but prevented the medical faculty from dislodging the dean, while still another was a pretty good president but often resisted some of the medical dean's purposes. As to Deans, he said that one had a pleasing personality but discouraged research, and another was a brilliant scientist but not adapted to administrative work.

After almost 40 years of faculty service in several institutions, I would say that Minnesota may well be a prototype of the medical school in the framework of a university — more or less as the old Yankee put it, "Damned if you are, and damned if you aint!" Being of optimistic nature (the new definition of an optimist being someone who has had very little experience) I have several times attempted to prove to frustrated colleagues both in medicine and those who dwell academically apart on non-medical campuses, how essential this association is. But, as essential as it seems to be, it never seems to add up rationally.

Well, that's, I think, not very "light and pleasant." Let me conclude these post prandial meanderings with two fables. One may be of interest to the educators here tonight, and directs itself to the peculiarities of the modern youth group. The other, perhaps of greater interest to more of you, is a tale of one man's foray into contemporary pathology politics on the national level. This is of very great importance since we seem to be under the gun, so to speak, being challenged from many angles both within our own profession and by laity and politicians alike. Let me address myself to the latter problem first since we seem too uncertain whether to react as individuals, as institutions, as regional or subspecialty factions, or under the banner of one or another national organization, be it College, Association, Society, or Academy — each of which proclaims itself pre-eminent whether by reason of numbers, educational proclivities, concerns with fiscal or technical accountability, or simply elite selectivity.

FIRST FABLE

Once upon a time a highly intelligent Board Certified pathologist was elected by his state society to serve as its representative to a national professional body of great distinction and prestige. This organization often held its annual sessions in conflict with meetings of similar societies and occasionally at locations too exotic for a person of genteel upbringing. Nonetheless, mindful of his mandate he was a regular attendant despite inconveniences. He usually voted in concert with his fellows, but on occasion did not. He was taken aback at such times to observe that his dissent seemed to go unnoticed. Since he did not wish to disrupt the even tenor of the meetings he described these experiences in his diary and debated silently with himself as to his adequacy in political matters.

He did note with a little annoyance, however, that he was repeatedly reappointed to the Necrology Committee — but never to any others. He questioned each succeeding presiding officer but was told repeatedly that his conscientious

handling of this "important" assignment was a very significant and deeply appreciated contribution. So he kept his peace.

One day, however, he arose at a regular session thinking that his upstretched hand had been acknowledged by the chairman, who actually had been dozing and happened to nod at an inappropriate moment. In a quiet voice our friend suggested that since so few of the membership now used monocular microscopes in their day-to-day activity, the traditional insignia of the organization might be modernized by substituting a binocular, or perhaps, even an electron microscope in lieu of the time-worn, traditional object still engrossed on the society seal. "It is so necessary," he said, "that we provide the public and our clinical friends with an up-to-date image, since they are so prone to deride us as being sluggishly behind in modern doings."

He had no speech impediment, and was possessed of a pleasing personality. Moreover, he spoke logically and precisely, sustaining his contentions with several well-selected references to the work of distinguished pathologists in the Boston and Baltimore areas.

At the conclusion of his proposal, a colleague from a mid-Western state known mainly for its largest city that bordered on a sizeable lake, asked whether the speaker felt that pathologists from the East Coast were superior to those from other parts of the nation. Several others commented variously at past efforts at domination of national opinions by Yankees. Our friend, by the way, was a native and lifetime resident of the Pacific Northwest. Others talked of the high cost of newly constructed instruments, their inferiority to those produced by the craftsman of yesteryear and the poor trade-in values in the current market. An angry voice asked whether this proposal was actually a subtle effort to turn the Society's interests toward dull, morbid matters and thus demean the far more dynamic activities centered about up-to-date clinical laboratories.

The chairman finally brought quiet into what had quickly become clamorous disorder. He remarked that there was no reason for such a dedicated group to be railroaded by what obviously was a single individual's tactless whimsy. "If the monocular microscope was so inefficient," he said, "why were so many fascinating diseases discovered by our predecessors using it?" "Indeed," he went on, "our Board of Directors would certainly have recognized the need for such a change if one actually existed." He concluded by reminding all that the banquet was to be held in two hours, and since there was no further business to transact, the meeting was adjourned.

Our friend obtained a refund for his banquet ticket, went to his room, read some brief passages from the Gideon bible, and thereafter proceeded to a nearby cocktail lounge.

There are hidden meanings here, difficult to discern: One is: Working alone one rarely wins approbation — or for that matter, the Nobel Prize. More importantly: To be effective one must avoid membership in Necrology Committees.

FINAL FABLE

If the points made in this story seem obscure, and perhaps even a bit pontifical, let me sharpen my focus, and conclude now with one final tale relating to the embattled lot of the educator, or for that matter, the parent, in a rapidly changing world.

A highly-skilled, and longtime-effective, teacher one day exclaimed to his wife that the attitudes and aspirations of students had been so modified that the curriculum required revision to the point of becoming unrecognizable as an educational process. "The situation," he said, "has become bewildering to any of us devoted to scholarly pursuits."

In response to her probings, he grumbled, "They have transformed the traditional 3 R's into Restlessness, Resistance and Rebellion!" He was utterly frustrated with their looseness of grammatical form, their disinterest in faculty views and their all too ready acceptance of hypotheses as fact — especially if concocted by an author living at least 100 miles from the campus, and no more than 30 years of age.

"What bothers me most," he exclaimed, "is the tendency of the press to idealize these moronic creatures by referring to them as the 'Wave of the Future.' That's certainly a future I want no part of. Their contempt for order and disrespect for experience is astounding. Knowledge of literature, history, mathematics, drama, and most of all, logic — pillars of the intellectual mind — are scorned. Confusedly, they preach individual autonomy but demand conformity. They cloak themselves in misshapen, ragged or patched garments and have a curious fascination for hair. They disavow fraternities and sororities, preach the brotherhood of man, but then form their own cliques and communes. Their art forms are a confusion of lines and colors and their musical rhythms weird. Often they soothe themselves with strange concoctions and slump about in various stages of stupor. Emerging later from so-called meditations, they decry the horror of a world others have made — nota-

bly war mongers, weapons makers, and their elders, parents and faculty alike. Their rallying words are 'Reform,' 'Relevance' and 'Self-Reliance' or synonyms thereof; unfortunately they seem unclear as to what these require."

"But," said his wife, "you have always been able to establish rapport with your students. Why can't you do so in the present circumstance?"

"Regrettably," he replied gloomily, "my voice would go unheard for I am listed among their antecedents and thereby declared guilty of sundry, heinous, though non-descript crimes. I can only find solace in the recognition that by 1927 all undergraduate students now enrolled will be long gone and a new, more malleable crop may come to hand."

The maxim this tale tells is familiar to you all especially to those of scientific bent. It is, "Ontogeny recapitulates Phylogeny," or perhaps, more to the point: "Youth given the opportunity to express itself, will exhibit originality and wisdom equal to that of its forebears."

Let me return now to what I said at the outset. I am deeply honored to be asked to join with you for what is both a memorial and a festive moment. This is the fourth time you've invited me to preach in the Twin Cities. I am amazed at your forbearance or what may simply be a poor memory for past events. I'm not sure I've pursued either of the two titles cited at the outset, but present day practice dictates that, as they say in legal and medicine parlance, is the "usual and customary" procedure. Do forgive the moments of levity — they in no way reflect a lack of respect for the truly great man whose remembrance is so precious a heritage to us all.

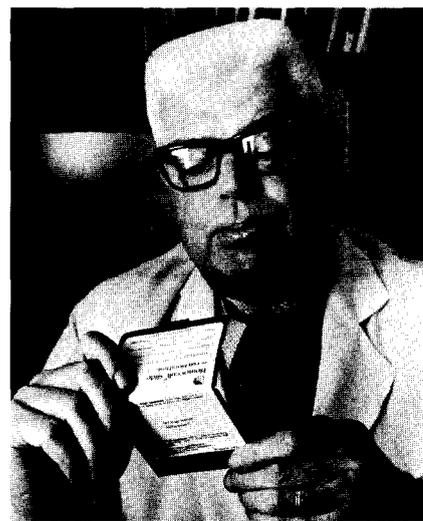
VICTOR GILBERTSEN TO STUDY NEW CANCER TEST

Dr. Victor Gilbertsen, head of the University of Minnesota's Cancer Detection Center, will study the effectiveness of testing for blood in stools as a widespread method of detecting cancer of the large intestine. He has received an initial National Cancer Institute grant of \$300,000 to begin the project. The study is expected to take 10 years and eventually involve \$5 million in National Cancer Institute funding.

Gilbertsen, a 1952 graduate of the

University of Minnesota Medical School, said that the 100,000 new cases of cancer of the large intestine in the United States each year make it one of the major killers. Death occurs in 90 per cent of the cases. Gilbertsen believes that occult blood in the stool could occur very soon after the onset of intestinal cancer. If this is the case, widespread testing of the high-risk group of persons 50 years old and older might prove effective in detecting the cancer early enough that corrective surgery or other treatment could save the patient's life.

Up to 30,000 participants in the study will mail very small stool samples in special matchbook-sized pack-



Dr. Gilbertsen views hemocult slide.

X-RAY SCANNER PICTURES ORGANS CLEARLY

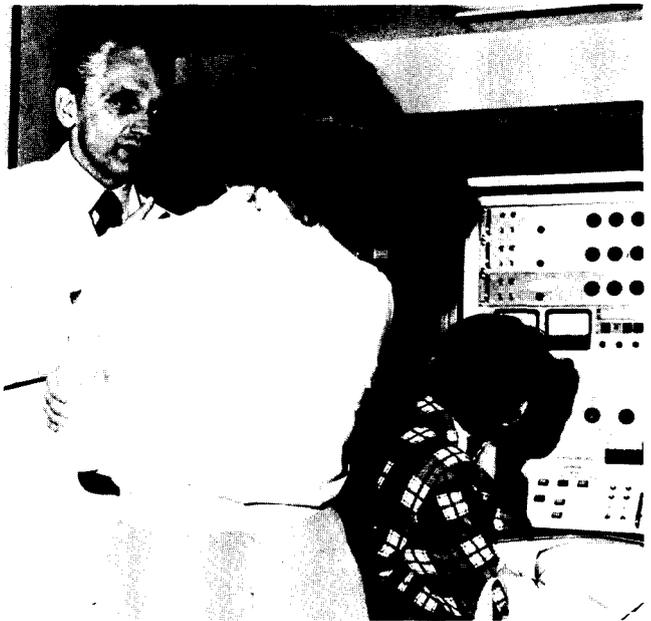
A computerized body scanner x-ray machine that may greatly reduce the need for exploratory surgery is in use at University of Minnesota Hospitals. The \$300,000 ACTA scanner was the first operational model in the country and remains only one of three in the nation at this writing.

The scanner is about 100 times more sensitive than conventional x-ray equipment but still produces a radiation dose about the same as the regular x-ray. The scanner sends out a pencil-thin beam of x-rays and scans a horizontal cross-section of the body. Up to 180 scans are made, each from a slightly different angle. The computer digests this photographic information, smooths out any motion, such as the beating heart, and produces a single picture in less than five minutes. The picture appears in a photograph (a positive rather than a negative) and on a television screen. Different shades of grey in the black and white picture make it easier to spot differences in tissue density.

The technology for this type of x-ray has been available for a couple of years, according to Dr. Eugene Gedgudas, head of the University of Minnesota's department of radiology, but its use has previously been limited to x-rays of the brain.



The scanner in action.



Dr. Eugene Gedgudas, head of the department of radiology.

MINNESOTA MEDICAL FOUNDATION GRANTS \$105,000 TO MEDICAL SCHOOL PROJECTS

The Minnesota Medical Foundation recently approved funding of 16 University of Minnesota research projects totalling \$104,695.

Jose Barbosa, M.D., research fellow in medicine, received \$5,000 to do genetic, immune and endocrine studies of families with a high incidence of diabetes; **Timothy K. Bowers, M.D.**, assistant professor of medicine, got \$4,000 to study white blood cells from healthy donors of kidneys, to observe the effects of the trauma of surgery on the body's normal defense mechanisms against the spread of infections and tumors; **Raul A. Cuestas, M.D., Ph.D.**, medical fellow in pediatrics, got \$3,152 to study the effects of protein on insulin secretion in premature infants; **M. Michael Eisenberg, M.D.**, professor of surgery, received \$4,213 to continue his studies of the human gastro-intestinal tract; **Rolf R. Engel, M.D.**, associate professor of pediatrics, received \$8,000 to study necrotizing enterocolitis. He is looking for a bacterial cause of the disease which often occurs in newborns already hospitalized for other medical problems. **David F. Juncker, Ph.D.**, research fellow in physiology, received \$5,200 to study ionic fluxes in normal heart

function. **William Krivit**, M.D., Ph.D., professor of pediatrics, got \$4,000 to study five separate families in which each has two or more children with leukemia. **Alvin Malkinson**, Ph.D., assistant professor in psychiatry, received \$5,000 to compare protein phosphorylation in malignant and normal cells. **Pamela A. Morford**, M.D., resident in obstetrics and gynecology, received \$7,000 to test the plaque thermography method of locating the exact position of the placenta and compare results with ultrasonic methods for relative accuracy. **Norma Ramsay**, M.D., research fellow in pediatrics, got \$5,000 to evaluate the effect of the drug lithium carbonate on the formation of white blood cells. **O. Douglas Wangensteen**, M.D., assistant professor of physiology, got \$6,000 to study

the pulmonary blood-gas barrier. **Stanley L. Erlandson**, Ph.D., associate professor and **Jonathon A. Parsons**, Ph.D., assistant professor, both of the anatomy department, \$7,646 for equipment to study normal and abnormal cells.

Special Grants approved were: \$14,695 for salary support of the principal animal lab supervisor for **Dr. O. H. Wangensteen's** continuing research in peptic ulcer disease; \$12,500 to pay half of one year's salary for **Dr. Fernando Vargas**, distinguished exiled Chilean scientist doing heart-research at the University of Minnesota; \$7,500 over three years for the Health Science Library at the UMD School of Medicine, and \$6,000 to support graduate medical traineeships in biochemistry.

JOHN W. LA BREE, MED. '40 APPOINTED DEAN OF DULUTH MEDICAL SCHOOL

Dr. John W. LaBree, director of medical education at St. Mary's Hospital, Minneapolis, and a 1940 graduate of the University of Minnesota Medical School, has been named Dean of the University of Minnesota-Duluth School of Medicine, effective September 1.

LaBree, a specialist in internal medicine with a subspecialty in cardiology, is also a clinical professor of the University of Minnesota Medical School, Minneapolis. He has practiced medicine in the Minneapolis area since the early 1950's and is one of the 10 original founders of the St. Louis Park Medical Center.

"With a reputation as an excellent clinical instructor, Dr. LaBree will undoubtedly assist us in continuing to build bridges with the clinical community," said James G. Boulger, acting dean of the UMD Medical School.

LaBree was born in Duluth and graduated from Washburn High School in Minneapolis. He received his pre-medical and medical education at the University of Minnesota. He served his internship at Ancker Hospital in St. Paul and his residency in internal medicine at Cleveland Clinic.

LaBree is married and has six children. He is a member of 10 associations and medical societies and has published many papers in local and national medical journals.

The UMD School of Medicine was opened in the fall of 1972, with a two-year program emphasizing basic science education in medicine and preparation of students for family practice.

Dr. Robert E. Carter (Med. '46), was the first dean



Dr. John LaBree

of the program, beginning with curriculum development in 1971, and serving until November, 1974. Dr. Arthur Aufderheide (Med. '46) served as acting dean through June 30, and Dr. Boulger is serving in the acting post until the new dean can assume his duties full-time.

Enrollment this fall at the school will be 72 students. There are 25 full-time, 10 part-time and 70 volunteer clinical faculty members.

Dr. LaBree's appointment as Dean was based on recommendations by a search committee composed of faculty from UMD and the Twin Cities, as well as area doctors, medical students and University administrators.



An electron microscope, magnifying about 1,000 times, shows normal mouse cells, top, and virus infected tumor cells, bottom.

YOUNG RESEARCHER GETS WATSON AWARD FOR CELL STUDIES

Dr. Leo Furcht, 29, has received the 10th Watson Award for outstanding research accomplishment by a physician in graduate clinical training at the University of Minnesota. The award announcement was made by Dr. David Berman, president of the Minneapolis Society of Internal Medicine, and Eivind O. Hoff, executive director of the Minnesota Medical Foundation, joint sponsors of the award.

Dr. Furcht, assistant professor of laboratory medicine and pathology, a 1972 graduate of Upstate Medical Center, State University of New York, Syracuse, has done all of his post-graduate training at the University of Minnesota.

His cancer-oriented research involves studying the mechanisms within cells which control proliferation. Using an electron microscope, he has shown that the membrane structures of normal and malignant cells are different and he is now trying to change "bad" cells into good ones by use of drugs.

The \$500 prize, which has been given only 10 times since its inception 13 years ago, is named for Dr. Cecil J. Watson, emeritus Regents' professor of medicine of the University of Minnesota and senior consultant to the Abbott-Northwestern Hospital teaching unit in internal medicine.

Furcht and Dr. Robert Scott have found that certain protein particles that are evenly distributed in normal cell membranes appear in clusters in malignant cells. The clusters are clearly discernible in electron micrographs made by the two researchers.

"It appears that the membrane may be the site that makes the cell behave malignantly," Furcht said, with malignant cell membranes somehow lacking the "contact inhibition," which tells the cell to stop growing when it comes in contact with neighboring cells.

The electron microscope and related equipment being used in the project were purchased with a \$75,000 grant from the Minnesota Medical Foundation.



Dr. Furcht

2 CANCER GRANTS

The University of Minnesota has received two three-year grants totalling more than \$535,000 from the National Cancer Institute.

Dr. Toni Mariani, assistant professor of laboratory medicine and pathology, received \$103,765 to continue her research on the interrelationship between malignancy and immunity.

The urology department received \$431,575 to continue its investigation of the possible cancer-causing property of a virus the research team has isolated from human bladder tumors, and to develop an immunologic test which will measure how a patient reacts to a tumor.

THERAPEUTIC RADIOLOGY STARTS RADIATION STUDY CENTER WITH \$1.1 MILLION GRANT

One of 10 national centers to study radiation as a means of curing cancer has been established in the University of Minnesota department of therapeutic radiology with a three-year \$1.1 million renewable grant from the National Cancer Institute.

According to Dr. Seymour Levitt, professor and head of the department, much of the research conducted at the Radiation Oncology Research and Clinical Center will combine radiation treatment with surgical, drug and immunological treatments in an effort to find the best combinations of treatments for various types of cancers.

Subjects for the center's clinical research will be drawn from the 1,200 patients examined by the department of therapeutic radiology each year, 1,000 of whom generally require radiotherapy, Levitt said. Animal research and cell studies will also be carried out, he said.

In addition, research at the center will be directed toward improving the accuracy and safety of radiation techniques, Levitt said. Research will continue on the linear accelerator, first used and largely developed at the University.

The center is also participating in a national study of pion radiation, which is believed to be more effective in cancer treatment than regular X-rays and cobalt treatments. Pion radiation is produced only in a large accelerator in Los Alamos, N.M., but staff and patients from the University of Minnesota will make use of it, Levitt said.

Another function of the center will be to train residents and medical students. The University has one of the few postgraduate programs in therapeutic radiology, attracting scholars from all over the country.

The center will survey Minnesota communities to determine the feasibility of establishing six radiation centers in the outlying areas of the state. Doctors and therapists from the University's center would serve as consultants to the community centers.

Participating in research projects

with the department of therapeutic radiology will be the departments of neurosurgery, medical oncology, pediatrics, obstetrics and gynecology, surgery, otolaryngology and medicine.

DEAN OF NURSES

Irene Ramey has been appointed Dean of the University of Minnesota School of Nursing, after an extensive search following the retirement of Isabel Harris, who resigned to return to teaching.

Ramey, a former nurse, instructor and director of nursing in hospitals, was dean of the College of Nursing at Texas Woman's University, Denton, Tex., at the time she accepted the Minnesota position. Prior to that, she was chairman of the department of medical-surgical nursing at the University of Pittsburgh.

She received a bachelor's degree in nursing from Columbia University and a Ph. D. from New York University.

FELLOWSHIPS SET IN ONCOLOGY

The section of medical oncology at the University of Minnesota will provide eight medical student fellowships for research in medical or pediatric oncology in the Masonic Memorial Hospital.

Fellowships may be conducted full-time during a three-month free period, or with a part-time effort extended over 10 months. Stipends have been set at \$1,000. Interested students should apply directly to the Medical Oncology Office, 411 Masonic Hospital.

DR. SOMMERDORF '52 GUEST SPEAKER FOR MMF ANNUAL MEETING

Dr. Vernon L. Sommerdorf, a 1952 graduate of the University of Minnesota Medical School, will be guest speaker at the Minnesota Medical Foundation's Annual Meeting, October 22.

Dr. Sommerdorf will speak about his late summer trip to China with Minnesota Governor Wendell Anderson, and other state officials and businessmen. Sommerdorf was a representative to the Minnesota House from 1964 to 1972 and is currently chairman of the State Comprehensive Health Planning Advisory Council. He is in family practice in St. Paul.

The Minnesota Medical Foundation's Annual Meeting will be held at 6:30 p.m. at the Town & Country Club, St. Paul.

HEARING-LOSS GRANT IS \$1.9 MILLION

A major grant from the National Institute of Neurological and Communicative Disorders and Stroke has been made to a group of University of Minnesota researchers, headed by Dr. Michael Paparella, chairman of the department of otolaryngology.

The \$1.9 million grant will be used for studies in three basic areas: noise-induced hearing loss, drug-induced hearing loss, and identification and differentiation of various hearing disorders.

BRAIN TUMOR STUDY

Dr. James Ausman, assistant professor of neurosurgery at the University of Minnesota, has received a \$64,500 two-year grant from the National Cancer Institute to study the biological principals influencing therapy for intra-cranial tumors.

DR. JESSIE EASTON GETS 1975 PHILLIPS AWARD

Jessie K. M. Easton, assistant professor in the department of physical medicine and rehabilitation (PM&R), received the 1975 Jay and Rose Phillips Award at Courage Center in Golden Valley. The award recognizes five disabled persons each year as outstanding, contributing members of society.

A physiatrist who treats disabled children, Dr. Easton is also slightly disabled from mild cases of cerebral palsy and polio. When asked how parents respond to her when she treats their children, she stated she has never had a parent tell her "You don't know what it feels like."

"And in some ways I'm a lot harder on my patients and parents than the other doctors are," she said. Dr. Easton doesn't consider herself handicapped. "For myself, I'd rather be honored because I'm a good teacher, than be given an award because I'm a good handicapped person. And I had to think very seriously about whether or not I would accept the award."

In addition to covering the pediatric ward of the Children's Rehabilitation Center and the PM&R Assessment Clinics, Dr. Easton has a heavy teaching load. She is the coordinator of "Student as a Physician," the PM&R clinical experience for all Phase B medical students. She is conducting the residents' weekly journal club conference in PM&R, during the department head's one-year sabbatical.

Since 1969, Dr. Easton has been conducting a research project, funded by the Social Rehabilitation Services (HEW), using the Schiotz tonometer to estimate intracranial pressure in infants with hydrocephalus.

Dr. Easton is a member of the Metropolitan Region Developmental Disabilities Task Force and is a consultant to the St. Paul Special Schools for Handicapped Children. She purchased the British-made film, "Like Other People," dealing with the lives of

adults with cerebral palsy, and has shown the film to various groups of teachers, parents, and others working with handicapped children and adults.

She considers the message, "Hey, we're people," to be one of the most important for the handicapped to get across.



Dr. Easton with patient.



Dr. John O'Leary. (Rochester Post-Bulletin Photo.)

DR. JOHN O'LEARY ON THE RUN

About 12 years ago, Dr. John O'Leary was in an oxygen tent in a Minneapolis hospital, barely recovering from a major coronary. He was fat and he smoked between two and three packages of cigarettes a day.

Earlier this summer the same John O'Leary, a lean non-smoker, was organizer and lead runner in a Winnipeg to Minneapolis jaunt with 21 other runners. He took up "jogging" to save his life, a term he would later abandon when he became a "runner." He has completed several marathon runs and plans to complete more.

The 500-mile distance from Winnipeg to Minneapolis was covered in five-mile relays by five-member teams. It opened World Affairs Month, officially proclaimed by Minnesota Governor Wendell Anderson and also commemorated the 25th anniversary of the creation of the World Affairs Center at the University of Minnesota, in cooperation with the Sister City Committee of the Minneapolis People to People Organization.

Dr. O'Leary, a 1950 graduate of the University of Minnesota Medical School, is now an associate professor of family practice here.

DAWSON MINNESOTA'S JOHNSON HOSPITAL NAMED FOR TRIO OF ALUMNI

Johnson Memorial Hospital, dedicated June 8 in Dawson, Minn., is named for a family with a tradition of medicine in the area — Herman M., Carl M. and Vilhelm (Bill) — who together provided the area with more than 60 years of medical care.

All three were graduates of the University of Minnesota Medical School; Herman in 1904, his brother, Carl, in 1910, and Bill, in 1939. Bill, the last of the family to practice in Dawson, drowned about two years ago. More than 1,600 people attended his funeral. (Population of Dawson is 1,700).

Dedication speaker at the opening of the new Johnson Hospital was Curtis Johnson, 1946 graduate of the University of Minnesota Medical School. Son of Carl, Dr. Curtis Johnson is a pediatrician at the Winona Clinic. Curtis was himself in practice in Dawson at the time of his father's death, waiting for a call to serve in the Korean War. His eldest son, Christopher, is a sophomore medical student at the Mayo Medical School, Rochester, Minn.

Herman Johnson made house calls in the Dawson area with his medical bag secured to his bicycle. He was one of the founders of the original Dawson Hospital and was a president of the Minnesota State Medical Association. He was a friend of former Governor Floyd B. Olson and worked with the state legislature to get Minnesota's first basic science law for medicine passed. In 1959, the Minnesota State Medical Association established the Herman M. Johnson Memorial Loan Fund for medical students in his honor. The Minnesota Medical Foundation administers the fund for the association.

Dr. Carl served as a vice president of the State Medical Association. He practiced in Montevideo for six years and joined the Dawson group in 1916, where he practiced until his death in 1937.

Bill, first cousin to Curtis, served on the executive board of Minnesota Blue Cross and Blue Shield and was a president of his county medical society.

DIMES GRANT TO ROBERT HOWE

Dr. Robert B. Howe, associate professor of medicine at the University of Minnesota, has been awarded a \$16,000 March of Dimes clinical research grant to investigate possible harmful side effects of blue light treatment for jaundice in newborn infants.

Since the discovery in 1958 that exposure of infants to bright light reduces the amount of bilirubin by promoting its breakdown, phototherapy has come to be widely used in treatment of jaundice. Recently, though, some controversy has developed because of possibly harmful side effects. Not enough is known about the potential toxicity of breakdown products of bilirubin produced by phototherapy.

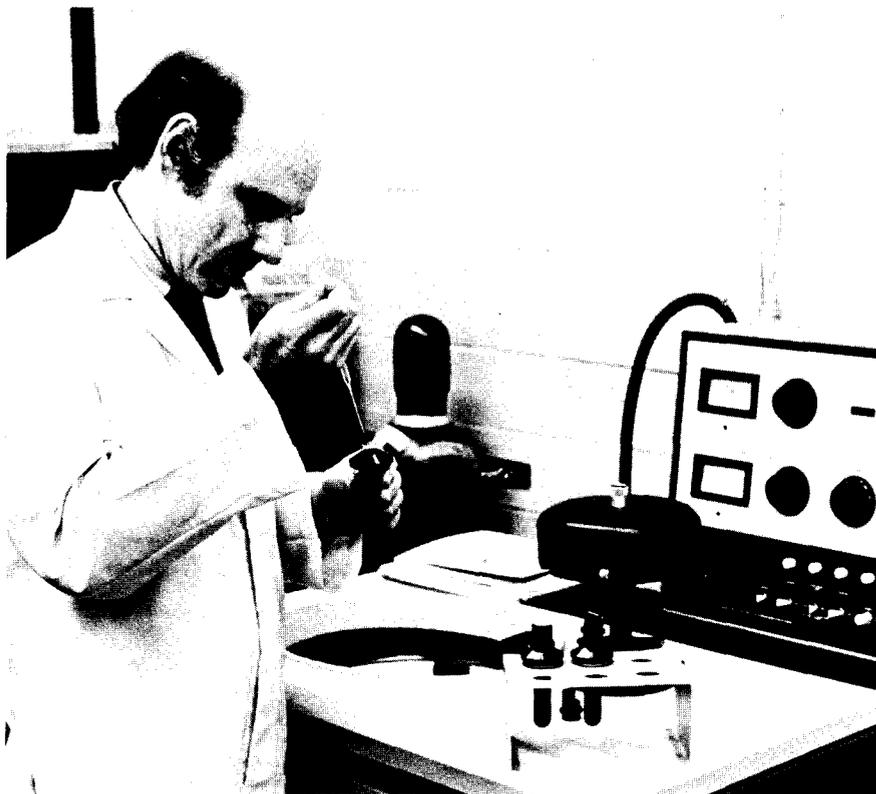
Howe will test these by-products in blood and urine samples from both jaundiced and normal infants. He believes that at least one of these substances may interfere with the function of red blood cells by inhibiting their metabolism of sugar.

Goal of the project is more selective use of phototherapy and prevention of undesirable side effects, and clarification of bilirubin breakdown processes in health and disease.

SHAPIRO AWARD

Dr. William Leutcher, neurology resident at University of Minnesota Hospitals, has been awarded the Benjamin Shapiro Memorial Fellowship in Neurology.

The \$1,000 competitive award was presented by Dr. A. B. Baker, professor and chairman of the University's neurology department, on behalf of Dr. Sidney Shapiro, Minneapolis neurologist and psychiatrist who endowed the fellowship in memory of his father.



Dr. Franklin Pass with ultra-centrifuge purchased with Minnesota Medical Foundation grant.

WARTS, DEAFNESS RECEIVE GRANTS

Two University of Minnesota researchers recently received grants for research previously supported in part, by the Minnesota Medical Foundation.

Dr. Franklin Pass, clinical associate professor of dermatology, has received a \$107,000 grant from the Public Health Service, following an earlier \$36,000 grant from PHS to study virus-associated antigens of human warts. Some of the equipment used in the research was provided by a Minnesota Medical Foundation grant.

Dr. S. K. Juhn, associate professor of otolaryngology, has received a \$10,000 grant from the Deafness Research Foundation. He will correlate information obtained from human temporal bones with that from a study of animals with induced inner-ear vascular problems. He is searching for new information about sudden deafness.

WABASHA HONORS DON MAHLE '35



Donald and Wynn Mahle.

Dr. Donald G. Mahle, 1935 graduate of the University of Minnesota Medical School, and Dr. B. J. Bouquet, who received his medical education at Marquette and Washington University, St. Louis, were recently honored in Wabasha, Minn., for long service to the area.

Dr. Mahle has only practiced in Wabasha since 1964, but he practiced in nearby Plainview from shortly after his graduation from Medical School. Drs. Mahle and Bouquet took over the area's medical care from horse and buggy doctors. They started in a time of home baby deliveries and saw penicillin and vaccines conquer pneumonia and polio.

Wabasha's Community Clinic has been successful in attracting two new doctors, making it possible for Drs. Mahle and Bouquet to begin retirement gradually without leaving the community with less medical service. Macaran Baird and Sheldon Burns, recent graduates of the University of Minnesota Medical School, are beginning their careers in Wabasha.

ADRIAN WOLBRINK, MISSIONARY DOCTOR

By Martha Huntley*

KWANGJU, Korea — Laid out on the orthopedic frame was the 11-year-old patient of missionary doctor Adrian Wolbrink. The little girl is one of five children from a poor country family. Her father died of tuberculosis the year before and she had TB of the spine which left her back severely deformed.

One of the orderlies at Kwangju Christian Hospital, Suk-Su Lee, had noticed this little girl among the many children in the cluster of villages where he is beginning the first church. He appealed to Dr. Wolbrink to help her, and thus began her treatment, valued at \$3,000 in the States, \$500 in Korea and at whatever a straight spine is valued in human terms.

The 34-year-old Wolbrink is from Minnesota, a 1965 graduate of the University of Minnesota Medical School. He interned at the Sioux Valley Hospital, Sioux Falls, S.D., and did a four-year residency at Mayo Clinic in Rochester. He also served two years in the United States Public Health Service at St. Elizabeths Hospital, Washington, D.C. as a general medical officer.

With his wife, Fran, and their two sons, Michael and Alex, he served in Korea as a Presbyterian Church missionary for more than three years.

Fran graduated from Bloomington (Minn.) High School, where she and Adrian first met, and Mankato State College in nursing. She received a master's degree in nursing education from the University of Minnesota.

These years in Korea she has put her chief emphasis on providing a good home and support for Adrian and the boys. She has also sung a good bit, taught music and art at Kwangju American School, where she had to develop her own curriculum, and taught English at Speer Nursing School.

The Wolbrinks had a unique chance to try missionary life before coming to Korea. They spent the summer of 1971 at MacKay Hospital, a Reformed Church of America mission hospital in Taiwan.

Dr. Wolbrink's treatment was free



Dr. Adrian Wolbrink intently works on body cast with halo for 11-year-old girl.

for the child — 50 percent of all patients at this Presbyterian mission-founded hospital receive free or subsidized care.

Wolbrink is also good with his hands outside the operating room. He made the frame on which the little girl is lying — from an old Army cot and at a cost of \$25. The orthopedic frame would cost about \$300 in the United States, he said. Besides making or re-making a good deal of the orthopedic equipment for the hospital, he has also made furniture for his home, including a beautiful inlaid dining table and a colorful circus-wagon style bunk bed for his boys.

Besides surgery and other full-time work as a hospital staff doctor, he has handled a great deal of administrative work. He has done the English correspondence for the hospital, and he is on a number of station and mission committees.

Once a month he conducted an orthopedic clinic in the port city of Mokpo 90 minutes away at the Irish Catholic mission hospital. About twice a month he held country clinics and every few months went to the large island of Cheju for a public health clinic.

At one of his Cheju clinics, he once saw 40 new cases of polio in a single day. It turned out the government had been ignoring a virtual polio epidemic on the island for fear of disturbing tourism. Kwangju Christian Hospital

sent vaccine and a medical team to inoculate thousands of children on the island and halt the epidemic.

Polio and TB remain large public health problems in Korea, Wolbrink says. Then he greeted a teenage boy who had come all the way from Seoul because of the reputation of the hospital and of this foreign orthopedic surgeon. Crippled since the age of three by polio, the boy has had no treatment since, but has taught himself to walk. "I can walk for an hour at the time," he says. Next year the boy will graduate from high school. Arrangements are made for an operation now to strengthen his weak leg and another later will align his two legs.

Wolbrink then checked by the blood lab to make arrangements for the U.S. Air Men who will come the next day to give blood to the hospital. Fran will be on hand to help with this program.

After that, he stops by the operating room to see if the right equipment is available for the next day, then back to his office to scoop up a handful of letters on hospital business matters.

The Wolbrinks returned to the States in June, to the Park Clinic in Mason City, Iowa. They'll be busy setting up a home and practice, but hope to have time to pursue the family hobby of flying.

*Presbyterian Mission Writer, Chulla Namdo, Korea.

EPILEPSY PROGRAM

The University of Minnesota, in conjunction with the Mayo Clinic, has received a contract to establish a Comprehensive Epilepsy Program (CEP) for the state.

The University's program, one of three in the country funded by the National Institute of Neurological and Communicative Disorders and Stroke, will receive \$878,000 for the first year.

According to program director Dr. Robert Gumnit, professor of neurology at the University and head of neurology at St. Paul Ramsey Hospital, the CEP has a two-fold purpose: researching new methods of medical treatment, and implementing better ways for persons with epilepsy to deal with social or educational problems.

Initially, the CEP will focus on the seven-county metropolitan area, 14 counties in central Minnesota and 10 southeastern counties around Rochester.

Under the direction of Gumnit and Dr. Norman Goldstein, coordinator for the Mayo Clinic research projects, the CEP will conduct coordinated clinical research on epilepsy and transmit findings to the state's physicians. Research projects will concentrate on improved diagnosis, genetics and epidemiology and improved treatment.

"Because there is no satisfactory way to help epileptics who have not become seizure-free under available treatment methods, a model Diagnostic, Treatment and Rehabilitation Program is being developed at University Hospitals," Dr. Gumnit said.

The CEP will also initiate an education campaign for patients, professionals and the public and act as a catalyst in the development of comprehensive services and resources for persons with epilepsy.

MMF SPONSORS TEACHER AWARDS FOR DULUTH

Arlen R. Severson, associate professor of anatomy, and Edward Jimenez, clinical assistant professor of neurology, were selected by the University of Minnesota-Duluth School of Medicine's second-year class to receive the first Minnesota Medical Foundation Teacher of the Year Awards.

The award will be given annually to a full-time basic science faculty member and to a member of the clinical faculty, each receiving a \$500 prize. Eivind Hoff, MMF executive director, presented the 1975 awards on behalf of the Foundation.

Severson has been a member of the Duluth Medical School faculty since the school opened in 1972. He taught previously at Indiana University Medical School and prior to that did research at Brookhaven National Laboratories in New York. He received his bachelor's degree from Concordia College in Moorhead and his master's degree and Ph.D. from the University of North Dakota.

Jimenez is on the staff of the Duluth Clinic and joined the clinical staff of the UMD Medical School in 1974. He received his bachelor's degree from the University of Puerto Rico, his M.D. from Loyola and a Ph.D. from the University of Minnesota. He was previously on the staff of University of Minnesota Hospitals and the VA Hospital in Minneapolis, the VA Hospital and Albany Medical College in New York and the VA Hospital and Medical School in Milwaukee.

MEDICAL GROUP PICKS WOMAN SCHOLAR

Janet Harvey Hubbell, now entering her fourth year at the University of Minnesota Medical School, is the first recipient of the Minnesota State Medical Association Woman's Auxiliary Scholarship.

Hubbell is a Phi Beta Kappa graduate of Nebraska-Wesleyan University. The award was based on academic performance and provides full resident tuition and fees for one year.

DR. WETLAUFER TO DELAWARE

Dr. Donald B. Wetlaufer, professor of biochemistry at the University of Minnesota, is chairman of the chemistry department of the University of Delaware, effective Sept. 1.

Wetlaufer came to the University of Minnesota Medical School in 1962 as an associate professor and became a full professor in 1967. His position at Delaware is an endowed chair, known as the duPont Professorship of Chemistry.

UMD MED SCHOOL GETS BUILDING GRANT

The Department of Health, Education and Welfare has approved a \$6.6 million grant to the University of Minnesota-Duluth School of Medicine for construction of a basic sciences building. The remaining \$1.6 million needed for the building is being sought from the State Legislature.

The UMD Medical School is currently housed entirely in an old elementary school teaching laboratory.

ALUMNI NOTES

1921

Frank L. Roberts, 172 Kimbrough Place, Memphis, Tenn. 38104. He has written several papers on venereal disease and demonstrated experimentally in 1972 that there are non-symptomatic male carriers of the gonococcus. He is associate dean emeritus of the University of Tennessee College of Medicine and has been director of the VD division of his local health department since 1966.

1923

Esther M. Greisheimer, Wayne Hall, 139 E. Lancaster Ave., Wayne, Pa. 19087, is a 50 year member of the AMA and the Minnesota State Medical Association. Her textbook *Physiology and Anatomy* is being edited by Troyer and Martin and renamed *Greisheimer's Physiology and Anatomy, Tenth Edition*. She teaches two lip-reading classes in Wayne.

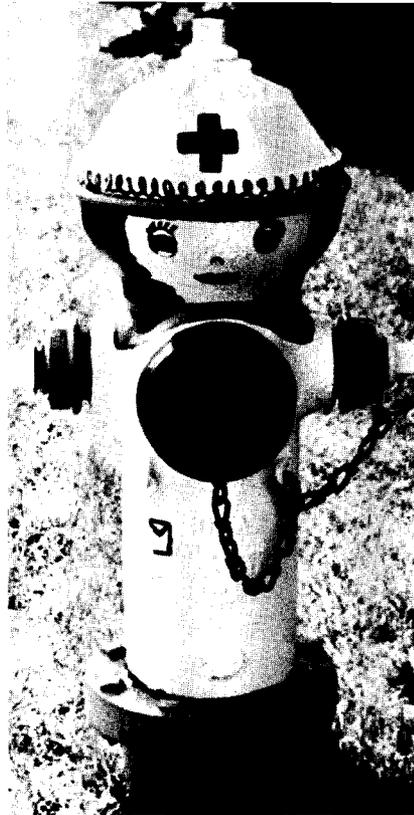
1925

Edith L. Potter, Rt. 13 Box 658, Fort Myers, Fla. 33901, received the Award of Achievement from the American College of Obstetricians and Gynecologists at its annual meeting in May, 1975. She has done Year Book Medical Publications on the "Pathology of the Fetus and Infant" and on "Normal and Abnormal Development of the Kidney." She is interested in tropical horticulture and is president of her garden club. Her husband, Alvin Meyer, is a retired architectural sculptor.

1933

Albert S. Brussell, 5503 80th St., Lubbock, Tex. 79424, became director of the Lubbock VA outpatient clinic March, 1975. He is adjunct assistant professor for health organization management, Texas Tech University School of Medicine, Lubbock. He retired from the Army Reserve in 1968 with the rank of brigadier general. He lost a granddaughter in a crash of a small plane earlier this year. His daughter was the only survivor of the crash.

Page 44



When Forest Lake, Minn., decided to decorate its fire hydrants for the bicentennial (see Florence Nightingale), they included one representing Dr. George M. Ruggles (Med. '30) who is still in practice in Forest Lake after 43 years.

1934

Donald E. Nealy, Adrian Clinic, Adrian, Minn., is in family practice with one partner and one physician assistant. He and his wife have three sons and two daughters, all married. Their sons all graduated from the University of Minnesota, one with a Ph.D. in mechanical engineering, one (Tim, '65) with an M.D. and one in business administration. Tim is in family practice in Blooming Prairie, Minn.

1936

Laurentius O. Underdahl, senior consultant in the division of endocrinology and associate professor of medicine, Mayo Medical School, retired Dec. 31, 1974.

1937

Marion Douglas Hursh, Rt. 1 Box 41 T. Putnam, Ill. (May through October) and Rt. 1 Box 523 Sebring, Fla. 33870 (November through April), is retired and enjoying every minute of it. His field of practice was ophthalmology. He enjoys fishing, tennis and bowling.

1939

Stephen N. Preston, Ann Arbor, Mich., is vice president for medical affairs of the research and development division of Parke, Davis & Company. From 1942 to 1965 he had a private obstetrics practice in Missoula, Mont.

1941

Jay J. Jacoby has received the highest honor for a faculty member at Jefferson Medical College of Thomas Jefferson University — his portrait was presented to the college by the senior class in medicine. Dr. Jacoby, professor of anesthesiology and chairman of the department, is a diplomate of the American Board of Anesthesiology and a fellow of both the American and International Colleges of Anesthesiology.

1943

Roy Groves Holly has been named chief of the obstetrics and gynecology department at Mount Sinai Medical Center, Milwaukee, Wis., and is also professor and chairman of ob-gyn for the University of Wisconsin-Mount Sinai collateral faculty. Dr. Holly has conducted extensive studies on nutri-

tion, hematologic complications, iron deficiency anemia and toxemia management in pregnancy and his research results have been published in many professional journals. Prior to joining Mount Sinai in Milwaukee, he was professor and chairman of ob-gyn at Jefferson Medical College, Philadelphia.

1944

James S. Robertson has been appointed a professor of laboratory

medicine, Mayo Medical School, Rochester, Minn. In January of this year he was appointed to the staff of the Mayo Clinic as a consultant in nuclear medicine in the department of laboratory medicine.

obstetrics and gynecology at State University of Iowa, Iowa City.

1946

Lucie Christine Furman, 6845 Pillsbury Av., Minneapolis 55423, retired in 1975. She is former head of Minneapolis General Hospital staff and later director and instructor for the Minneapolis School for Nurse Anesthetists and then director and instructor at St. Mary's. She was made an honorary Air Force Colonel for teaching Air Force personnel. She is married to **David D. Webster** (Med. '50), a neurologist at Minneapolis VA Hospital.

1948

Harold Chevlen, 548 Gypsy Lane, Youngstown, Ohio 44505, is chief of the division of family practice and vice chairman of the medical executive committee of Youngstown Hospital Association. He is a charter diplomate of the American Board of Family Practice and a member of the Council of Family Practice of Northeastern Ohio College of Medicine. He has won awards for his hobby of photography. He has three sons, Jack, a lawyer; Eric, a resident in medicine at Mt. Sinai in Cleveland, and Michael, a registered nurse in a Youngstown Hospital. His daughter, Betsy, is a third-year student at Miami of Ohio University.



Dr. Jay Jacoby portrait.



James S. Robertson '44



Roy Groves Holly '43

1945

James Chester Breneman, 10571 Miller Drive, Galesburg, Mich. 49053, elected in 1975 to the Board of Regents, American College of Allergists; president and founder of Allergy, Immunology International; vice president of the Kalamazoo Chamber of Commerce, 1967 and president of the Galesburg Chamber of Commerce the same year. Certified by the American Board of Allergy and Immunology in 1974. He has written many professional articles, including several on nocturnal enuresis.

John S. Gilliam, 3909 Brentwood Drive, Des Moines, Iowa 50312, has retired from the Fargo Clinic and accepted a teaching position as director of obstetrics and gynecology at Broadlawns Polk County Hospital, Des Moines, and assistant professor of



Harold Chevlen '48

1952

Norman J. Diamond, 3431 Tanglewood Lane, Rolling Hills Estates, Calif. 90274, is chief of the receiving-emergency department, Los Angeles County Harbor General Hospital and assistant professor of medicine, UCLA School of Medicine. He is a diplomate of the American Board of Internal Medicine. He is director of a postgraduate medical course, "Emergency Department Medicine in Practice," which is sponsored jointly by UCLA, Harbor General and the American College of Emergency Physicians. The two-week course is given at Harbor General.



Norman J. Diamond '52

1953

Everett Karon is 1974-75 president of the Northlands chapter of the American College of Chest Physicians. His field is internal medicine, with special interest in pulmonary disease and chest allergy. He practices in St. Paul, Minn.

Robert C. Stewart, 16 Clarke St., Lexington, Mass. 02173 is an internist.

1954

Richard A. Ness, Fergus Falls (Minn.) Eye Clinic, has for the past five years been a consultant for ALZA Corporation, a company which is directing its total research to time-release medication at the site of effect. Dr. Ness has three patents in his name and a trademark called Ocusert, which has received final FDA approval and is now being marketed. The Ocusert is a

small device which slips under the eyelid and releases ocular therapeutics at a steady level.

1956

Gerald G. Eklund, 275 F, Chula Vista, Calif., is a diplomate of the American Board of Family Practice.

1957

James P. Dudley, Greenwich, Conn., is an ear, nose and throat specialist. He recently began a two-year fellowship in infectious diseases at the UCLA Medical Center, Los Angeles. He plans to stay in ENT and integrate the new specialty into that practice. He is married and has three children.

1960

Wendell Geary, Box 20, Singkawang, K. B., Indonesia, has been in West Borneo since 1964. He would appreciate hearing from anyone offering medical help, even if only for a few weeks.

Richard G. Rowe received a master of public health degree from the University of Minnesota in 1973. He is living in Duluth and is associated with the University of Minnesota-Duluth School of Medicine through his work with Lac La Croix Indian Village.



David M. Worthen '61

1961

David M. Worthen is head of the division of ophthalmology at the University of California, San Diego. He has been active in electron microscope studies of the eye and laser treatment for glaucoma. He recently won the Doctor's Marathon championship in Boston for the fifth consecutive year. He and his wife, Gaye, have five children. They ask that Minnesota alumni please call when in the San Diego area.



Dr. Wendell Geary and family, Paul, Marj and Wendell Jr.

1962

Tom Crowley, who practices psychiatry in Denver, recently visited Minneapolis and spoke at the University of Minnesota Medical School.



Tom Crowley '62

1963

Larry R. Erickson, R.R. 2, Box 4L, Conifer, Colo. 80433, is in the private practice of dermatology in Lakewood, Colo. He completed eight years of service in the Air Force in 1973. He and his wife, Karen, have three children.

1964

Samuel I. Berman was reported in the **Medical Bulletin** to have moved to Minneapolis from Medford, Ore. He told us he might have driven through Medford once, but he certainly hadn't lived there. He has been right at the University of Minnesota, at the Student Health Service, now the Boynton Health Service, since January, 1972, where he is an internist. If readers are interested in how the Bulletin could put him in Medford, Ore., it was by what you might call presumptive logic — or, perhaps, intuitive leap. On a report of the whereabouts of the entire class of 1964, his address had been listed accidentally as Medford, Ore., the address of his alphabetical neighbor on the list, **Ralph Bergstrom Jr.** Realizing his mistake,

the maker of the list, **Walter Bailey**, crossed out the error and entered the correct Minneapolis address. Naturally (?), the editor thought Dr. Berman had moved from Medford to Minneapolis, even though Berman's copy of the Bulletin is mailed to him in Minneapolis. (The editor doesn't often read the mailing list since it is quite long and rather boring). The editor has also since learned that Samuel is a son of Dr. **Reuben Berman** (Med. '32) a member of the editorial advisory board to the **Medical Bulletin** and former editor of **Minnesota Medicine**, journal of the Minnesota State Medical Association. He understands such things.



Samuel Berman '64. Might have driven through Medford, Oregon once.

Francis J. (Tony) Eason, 13166 Shelimar Pl., Del Mar, Calif. 92014, is in solo private practice of general surgery. Tennis is an important interest and he has played in many local club and park tournaments. He and his wife, Beverly, were married in 1968.

1965

Raymond B. Weiss, 909 Hickory St., Morgantown, W. Va. 26505, has been promoted to associate professor in the department of medicine, W. Virginia University Medical School.

In addition to internal medicine, he has a special interest in medical oncology. He enjoys backpacking.

1966

Mary M. Flynn Chase, 1000 S. Pearl, Denver 80209, is a graduate teaching assistant in the history department of Denver University where she is working on her Ph. D. in history. Her Ph. D. dissertation will be a biography of Dr. Edith B. Jackson, noted child psychoanalyst who studied with Sigmund and Anna Freud and was a professor at the Yale School of Medicine for 25 years. Mary's medical interest has been student health, especially neighborhood health centers. She and her husband, Ray, enjoy hiking and bicycling.

John R. Krohn, 828 Robert E. Lee Drive, Wilmington, N. Car. 28401, has opened a private practice in Wilmington after completing his residency in plastic surgery at the Mayo Clinic. He and his wife, Dorene, have two daughters.



Mary Flynn Chase '66

1967

Ross Olson has returned from missionary work in Hong Kong and has started a pediatric residency at University of Minnesota Hospitals. He says that he was originally turned down for the residency for lack of funds, but when the department was told that he was still on mission support "they decided that for free he was worth the price."

Sarah A. Nunneley, a former flyer who trained as a flight surgeon at NASA's Flight Research Center in the Mojave Desert, is working in an environmental physiology laboratory at the State University of New York, Buffalo, to find out if exercise will improve man's ability to withstand the stress of acceleration. She completed a residency in aerospace medicine at Ohio State University.

James D. Priest, returns to Minneapolis in August to practice orthopedic surgery, after three years in the Army Medical Corps in Japan and four years of residency training at Stanford. He has a special interest in sports medicine, including tennis elbow and other tennis injuries. He received the Hektoen Bronze Medal for his scientific exhibit, "The Elbow and Tennis: a Study of Expert Players," AMA Chicago convention, June, 1974. He and his wife, Ilka, have two sons. He is a former Minnesota state junior singles champion in tennis and



James D. Priest '67

was doubles champion and singles runner-up, U. S. Army of the Pacific, in 1970.

1968

Bruce E. Carlson, 400 W. Allens Lane, Philadelphia 19119, is director of the psychiatric consultation-liaison service at the Naval Regional Medical Center, Philadelphia, and is in his third year of course work at the Philadelphia Psychoanalytic Institute.

G. Hossein Mahour, 4650 Sunset Boulevard, Los Angeles 90027, is assistant professor of surgery, University of Southern California School of Medicine, head of the division of surgical research at Children's Hospital of Los Angeles, and attending staff surgeon at Children's and LAC/USC Medical Center. He is a fellow of the American Academy of Pediatrics, the American College of Surgeons and the Royal College of Surgeons of Canada. He limits his practice to pediatric surgery.

John A. Seibel, 908 Cuatro Cerros Trail S.E., Albuquerque, N.M. 87123, practices internal medicine and endocrinology with two others. He published "Thyrotoxicosis and Periodic Paralysis" in the *Annals of Internal Medicine* in September, 1974. He and his wife, Lois, have a son, Michael, 6, and a one-year-old daughter, Leigh. Their 2½-year-old daughter, Nicolle died of leukemia in September of 1974.

1969

Dennis D. Cook, 2515 Aster St., San Diego, is a psychiatrist. He is married and has one son.

Ruth M. Goehl, mailing address 723 Lafond Av., St. Paul, Minn. 55104, practices tropical medicine in Nigeria. She received a D.T.M.&H. from the School of Tropical Medicine, Liverpool, in December of 1974.

Paul R. Hamann, 6021 Birchcrest Dr., Minneapolis, joined Respiratory Disease Associates late in 1974. He has three children.

Henry M. Keys, 300 Pelham, Rd., Rochester, N.Y. 14610, is assistant professor and head of the radiation oncology section, Strong Memorial Hospital Cancer Center, University of Rochester. He was formerly chief of radiation therapy at Walter Reed Army

Medical Center and assistant professor of radiation therapy at Howard and Georgetown Universities.

1970

Ernest W. Lampe, 5354 Dupont Av. S., Minneapolis, is a medical fellow in the University of Minnesota's department of surgery. He recently presented an article entitled, "Auto-transplantation of Porcine Islets of Langerhans" to the American Society of Transplant Surgeons.

John P. Ries, 4805 Santiago Way, Colorado Springs, Colo., is stationed at Ft. Carson Army Hospital, Colorado Springs, in the department of pediatrics. He holds the rank of colonel. He received Board certification in pediatrics in April this year. He has three children, ages 9 to 5.

Richard Dennis Wachter began two years of Navy service at the Navy Regional Medical Center, Jacksonville, Fla., in July, after completing his neuroradiology residency at the University of Minnesota under a fellowship of the National Institute of Neurologic Disease and Stroke. His wife, Madeleine, is a research microbiologist.

1971

Michael T. Cullen Jr., 2131 S. 17th St., Wilmington, N.C. 28401, recently presented a paper on saturnine gout at the annual meeting of the North Carolina American College of Physicians. In June, 1974, he completed two years with the United States Public Health Service at the Center for Disease Control in Atlanta. He enjoys tennis, photography and Southern cooking. He and his wife, Suzanne, have a two-year-old son.

John R. Emery, 221 Ellis Lane, Fallbrook, Calif. 92055, plans to return to Minnesota in July of 1976 when he completes his service at the Naval Regional Medical Center, Camp Pendleton, where he is coordinator of the family practice clinic. He and his wife, Dana, have two daughters.

Shigeaki Kobayashi, Okada, Shimo-Okada 335-6, Matsumoto City 390-03, Japan, is in neurosurgery at the University School of Medicine, Matsumoto. He and his wife have daughters age six and five and two-year-old twin boys.

Ronald Craig McPhail, 313 Teakwood Circle, Pensacola, Fla., is an internist. He married Susan M. Hoelzer in September, 1974.

Stephen John Nelson completed a three-year family practice residency and is a missionary in Ecuador.

William E. Scheidt, 5236 Humboldt Av. S., Minneapolis, is chief surgical resident at United Hospitals (Miller), St. Paul. After completing his residency in 1976, he plans to enter practice in some small community very close to the Twin Cities. He and his wife, Wendy, have three children.

William Stanley Practices family medicine on the Leech Lake Indian Reservation, Leech Lake, Minn. with **Gary Strandemo**, '72. Both are married. Stanley goes to Public Health Service outpatient clinic, San Juan, Puerto Rico, this year.

1972

Richard C. Gehrz has been appointed associate director of medical education at Children's Hospital, St. Paul. He is doing research in immunology, as well. He and his wife, Elaine, live in the St. Paul suburb of Cottage Grove.



Richard C. Gehrz '72

Gerald D. Jensen, 2925 Portales Dr., Fort Worth, Tex. 76116, recently completed a family practice residency at Hennepin County (Minneapolis) Medical Center, and is now assigned to the Air Force Regional Hospital at Carswell AFB, Ft. Worth. He and his wife, Carole, have a two-year-old son.

Jack Mueller, 22689 Eton Dr., Grand Terrace, Calif. 92324, is a family practice partner in the Southern California Permanente Medical Group (Kaiser). He enjoys travel, exotic food, and restoring old cars. He married Gale Kanemitsu, M.D., in November of 1973.

Gary Strandemo practices family medicine on the Leech Lake (Minn.) Indian Reservation.

1973

Steve Schultenover has moved to Travis Air Force Base, Calif. 94535 (General Delivery, PSC No. 4) from Columbus Mississippi AFB.



Steve Schultenover '73

ALUMNI DEATHS

Barbara Janes Andersen — 1967

Died in April at age 42.

Markham J. Anderson — 1946

Died March 10 in Sun City, Ariz., at age 79. He was a retired consultant and instructor in medicine at the Mayo Clinic and Mayo Graduate School of Medicine.

Judi Bergfalk — 1967

Died May 6 at age 33. She was the founder of the first free medical clinic in the University of Minnesota's West Bank community. She moved in 1973 to Santa Barbara, Calif., where she worked on the staff of the Summit Lighthouse Mission. She once served as a medical missionary with a hospital in Assam, India. Survivors include her husband, Jeffrey A. Simon, 1776 Beechwood Av., Santa Barbara.

Benjamin Bofenkamp — 1943

Died July 29 at age 57. He was a clinical assistant professor of otolaryngology at the University of Minnesota Medical School. He was a director of the Minutemen, a citizen's group which was instrumental in bringing the Twins baseball team to Minnesota. He was also a former director of the Minneapolis Area Chamber of Commerce.

William F. Braasch — 1903

Died in Rochester, Minn., May 1 at age 96. He was the 12th physician to join the Mayo Clinic. After medical school he served as a pathologist and intern at Minneapolis City Hospital, 1903 and 1904, and then did graduate study in internal medicine in Vienna for two years. He joined the Mayo Clinic in 1907. In 1915 he was named professor of urology at Mayo. He was the first head of Mayo's section of urology and continued as head of the section until 1939 when he became senior consultant. He retired in 1946. A pioneer in his field, he was first to describe a wide variety of urographic deformities. He helped establish the

OBITUARIES Continued

American Board of Urology and served as a member of the board for eight years. He was a past president of the Minnesota State Medical Association and received its Distinguished Service Award in 1944. In 1951, he received the University of Minnesota's Outstanding Achievement Award and in the same year he received the Keyes Medal of the American Association of Urinary Surgeons.

Rollin E. Cutts — 1927

Died Jan. 25 at age 70. He served as pediatric consultant to the departments of health in Illinois, Washington and Oregon. He was a fellow of the American Academy of Pediatrics. He had resided in Seal Beach, Calif., since 1963.

Hermina Hartig — 1914

Died June 25 at age 86. For more than 25 years she was director of health and hygiene for the Minneapolis public schools. She was born on a farm in North Dakota in 1890. She was 20 when she entered the University of

Minnesota Medical School. Soon after graduation, she married her classmate, Hugo Hartig, who then established a practice in Minneapolis. In 1925, Dr. Hugo Hartig was killed in an automobile accident, leaving Hermina with their four small children. In 1927, she accepted a residency in pediatrics at the University of Minnesota. After the three-year residency she established a pediatric practice in Minneapolis. In 1933 she joined the medical staff of the department of hygiene of the Minneapolis Board of Education, and she soon became its head. On reaching retirement age in 1954, she was invited by several Minneapolis area suburbs to conduct baby clinics. She conducted four or five such clinics each week until she was 82 years old. Her daughter, Majorie Beer, a St. Paul physician, is a 1939 graduate of the University of Minnesota Medical School.

Herman J. Just — 1924

Died May 11 at age 75. The long-time Hastings, Minn., physician was Dakota County coroner for the past

eight years. He was the first staff president of the Regina Memorial Hospital and also the first president of the Mississippi Valley Clinic and one of the four physicians who established it.

Harry Warner Kelley — 1929

Died Aug. 12 in Oakland, Calif., at age 73. He was in the private practice of pediatrics for 40 years.

Arnold S. Moe — 1939

Died June 9.

Joseph P. Spano — 1929

Died April 15 at age 69. He was former chief of surgery at St. Barnabas Hospital in Minneapolis, a board member of the Elliot Park Clinic and president of the board of the House of Charity.

Wilbert W. Yaeger — 1926

Died Jan. 26 in Laguna Hills, Calif. The former Marshall, Minn., physician was active in the organization of Minnesota Blue Shield and served on its board of directors from its beginning until 1960.

YOUR WILL:

IF YOU WAIT UNTIL YOU NEED IT, IT'S TOO LATE

"I give and bequeath to the Minnesota Medical Foundation at the University of Minnesota, to be used and expended for the benefit of the Ralph T. Knight Anesthesiology Research Laboratory, the sum of TEN THOUSAND DOLLARS (\$10,000) in cash or securities to be selected from my estate by my Executors."

The above is a real example of one of the many ways to word a charitable bequest in a will. This bequest to MMF was from Dr. Ralph T. Knight who died October 20, 1972.

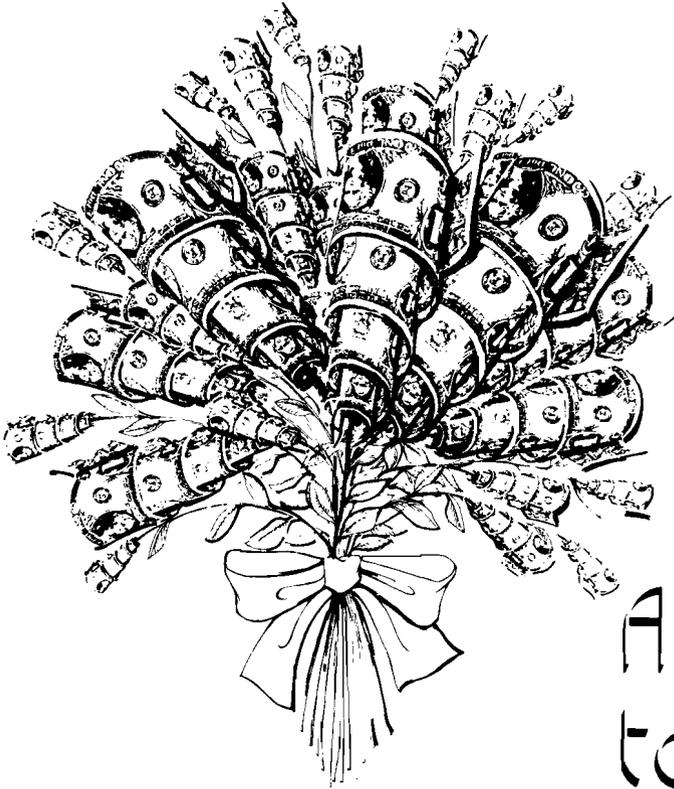
Dr. Knight's will also provided other bequests and for payment of expenses and estate taxes.

In clearly stating his wishes for the distribution of his estate after his death, Dr. Knight was in the minority of adults in the United States, seven out of eight of whom die without making a will.

Bequests constitute the simplest, least painful way for a person to remember a favorite charity. Estate tax savings minimize the financial cost to the surviving beneficiaries. Failure to have a will can be very expensive from a tax standpoint. But most important, failure to have a will places the responsibility for distribution of your estate with your state's courts. It is to your benefit, and the benefit of your family, for you to write a last will and testament.

We hope it will also be to the benefit of the Minnesota Medical Foundation.

Minnesota Medical Foundation
Box 193 Mayo Memorial Building
University of Minnesota
Minneapolis, Minn. 55455
(612) 373-8023



A Memorial Gift to MMF Could Last forever

Flowers will wilt, but your memorial gift to the Minnesota Medical Foundation will thrive in living research.

MMF's active memorial gifts program is now supporting vital research at the University of Minnesota, in such areas as heart disease, cancer, diabetes, organ transplantation and many others. Memorial gifts to MMF are used 100 percent for the purposes outlined by the donor. No administrative or service charges are deducted.

Attractive memorial cards and envelopes are available to families or funeral homes wishing to use the Minnesota Medical Foundation as recipient for memorial gifts. All gifts to the Minnesota Medical Foundation are tax deductible.

Write to:

**Memorial Gift Program
Minnesota Medical Foundation
Box 193 Mayo Memorial Building
University of Minnesota
Minneapolis, Minnesota 55455**

Nonprofit Org.
U.S. POSTAGE
PAID
Minneapolis,
Minn.
Permit No. 2356

ADDRESS CORRECTION REQUESTED

UNIVERSITY ARCHIVES
10 WALTER LIBRARY
UNIV OF MINNESOTA
MINNEAPOLIS, MN 55455

1975 Medical Graduate Daniel L. Johnson, and Son. MORE OF CLASS OF '75 INSIDE.

