

School of Medicine, University of Minnesota, Duluth

Conspectus

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Former student
to spend year
in research
program

Royce resigns from med school to accept N.J. hospital position

After more than five years as dean of the School of Medicine, Paul Royce has resigned effective September 30 to accept a position at Monmouth Medical Center in Long Branch, NJ.

Royce recently was named vice president for medical affairs at Monmouth, a 500 bed acute-care hospital. A major teaching hospital, Monmouth also is known for its geriatric and infant intensive care programs and its affiliation with Hahnemann University School of Medicine in Philadelphia, where Royce previously held an academic appointment.

"I'm going to miss Duluth and its people, but will enjoy being in a more clinically-oriented setting," Royce said when announcing his

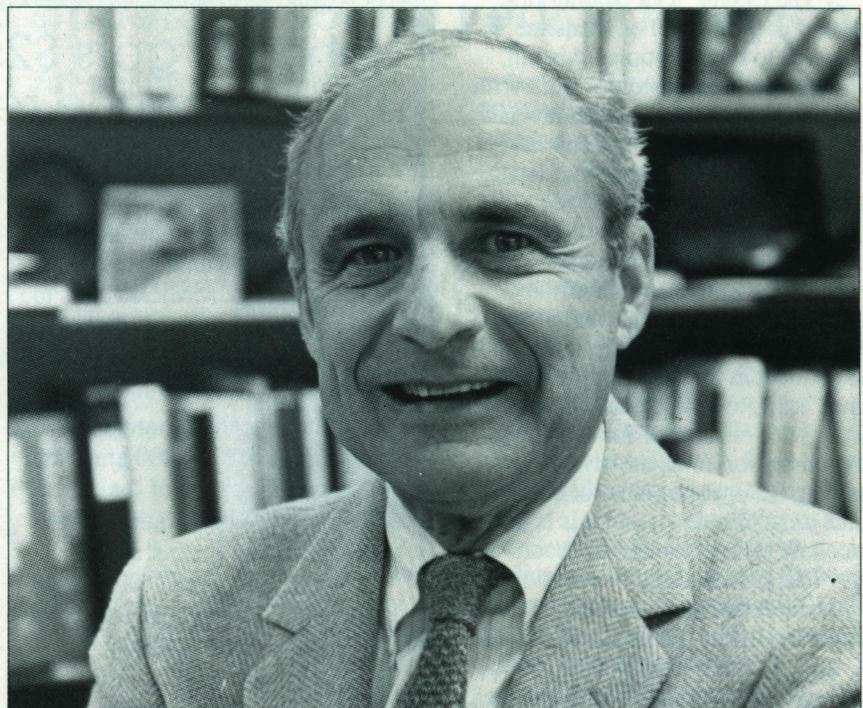
resignation.

Dean of the School of Medicine since January, 1982, Royce has a number of accomplishments to his credit, including instituting long-range plans for the School of Medicine and working with the community and Legislature to forward the School's interests.

Under Royce's leadership, research grants have increased substantially and the School of Medicine has continued to fulfill its founding mission — producing fine students who enter family practice in large numbers, said Neal Vanselow, vice president of Health Sciences at the University of Minnesota.

"During the past five and a half years, Paul has been dean at a time when the university has lived through

cont. pg. 8



Dean Paul C. Royce

Pozos named Eddy professor

Eddy gift to fund stuttering research

The School of Medicine will be home to the Edwin Eddy Professorship for the study and treatment of stuttering and other communication disorders.

The professorship, the second endowed faculty position at UMD, was established with a \$250,000 gift from the Edwin Eddy Family Foundation of Duluth to the Minnesota Medical Foundation and matched with an additional \$250,000 from the University of Minnesota's Permanent University Fund.

Robert Pozos, associate professor and head of the Department of Physiology, has been named the first Edwin Eddy professor and director of the UMD Neurocommunication Center, a collaborative effort of the faculty in the communication disorders program of the Department of Allied Clinical Health and the Physiology Department.

"It's an exciting opportunity to work with the communication disorders faculty, students and patients. No other medical school in the country has this relationship and there is a definite value," Pozos said.

The Center, with laboratories located in the School of Medicine, is expected to be operational this fall.

Educational research, work with Duluth-area clinicians and study and treatment of 50 to 100 patients each year will provide students and faculty with research opportunities and valuable experience.

"This represents a unique opportunity to bring together the clinical aspects of the communication disorders program with the research component in the School of Medicine," said Robert Carlson, UMD acting vice chancellor for academic administration. "We are always looking for opportunities for collegiate units to interact and this is an excellent chance for this to occur."

The Edwin Eddy Foundation was established in September of 1982 and is funded by the estate of Edwin H. Eddy Jr., who died in 1981 and suffered most of his life with a stutter. The Foundation promotes the treatment and rehabilitation of people



Edwin Eddy Professor Robert Pozos demonstrates a technique used in the treatment of stuttering at the Edwin Eddy laboratory in the School of Medicine.

suffering from nervous system and communication disorders, and funds research and education in those fields. The \$2 million trust is administered by Norwest Bank.

"We hope the long-term goal of the professorship is to gain a better understanding of stuttering with the possibility of making advances," said Murray George, Foundation trustee.

Johnson gets \$250,000 grant to study immune response in mice

Having a large family might increase your immune response — if you happen to be a mouse that is — and newly-funded research at the School of Medicine aims to find out why.

Arthur Johnson, professor and head of the Department of Microbiology and Immunology, has received a \$250,000 grant for a comparative study of the immune response in aging virgin mice and aging breeder mice.

The grant, which will fund the research over a period of three years, is from the National Institute of Aging at the National Institutes of Health.

In prior research, Johnson discovered the immune response in virgin mice decreased with age while aging breeders displayed immune characteristics similar to young adults. The new study will attempt to discover the cause of this differing immune response.

One aspect of the study will try to pinpoint specific hormones or hormone levels that could be responsible. Johnson believes the presence and levels of certain hormones — specifically estrogen and prolactin — in the breeder mice might be the cause.

"It's a whole new concept in aging research," Johnson said.

Fundraising record set

Auxiliary raises \$5,000 for School of Medicine

The Minnesota Medical Auxiliary has raised more than \$5,000 this year for the School of Medicine, through the raffle of a Cheng-Khee Chee painting and a variety of other projects.

The Chee raffle, which brought \$2,000 to UMD, was a great success, said Mary Davidson, the Auxiliary's newly-elected second vice president and former state chair for the AMA's Education Research Fund.

Mrs. Albert Fischer Jr. of Hastings, MN won Chee's painting of the Coffman Union on the Twin Cities Campus.

"Albert Fischer is a graduate of the medical school and he was just thrilled when his wife won the painting," Davidson said.

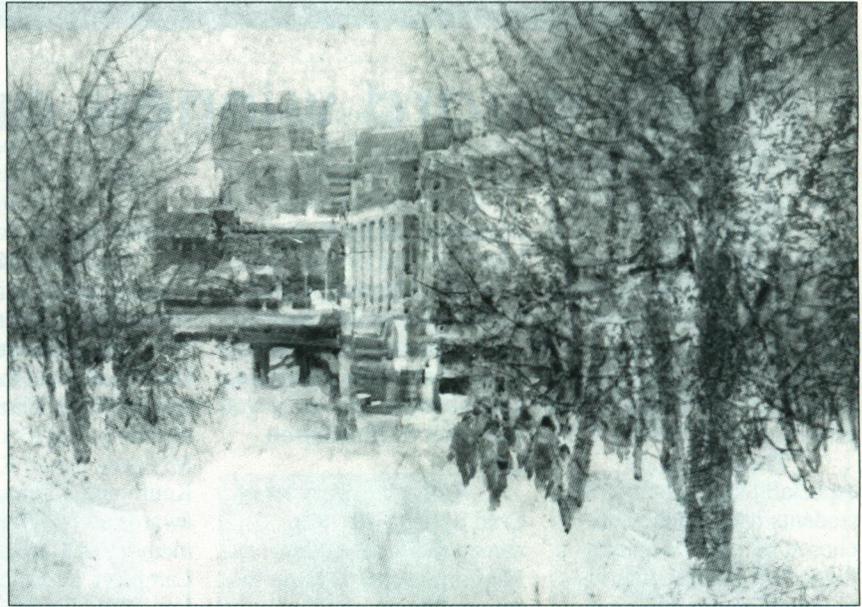
Proceeds from the Chee raffle, which totalled \$5,200, were split between the Mayo Medical School, University of Minnesota Medical School and the School of Medicine, UMD — depending on where the tickets were sold.

Of the total, the St. Louis

County Auxillary raised nearly \$2,000 for UMD.

This year also was a good one for the Minnesota Medical Associa-

tion Auxillary's fundraising efforts throughout the state. In all, \$16,926.94 was raised, which includes physicians' contributions.



Coffman Union, a watercolor by artist Cheng-Khee of UMD, recently was won by Mrs. Albert Fischer, Jr., of Hastings.

Former UMD med student to spend year in research

Former UMD medical student Jeff Balke, now a fourth year student at the University of Minnesota Medical School, will embark this fall on a year of research at the Howard Hughes Medical Institute in Bethesda, MD.

Balke, 26, was one of 30 students chosen this year from 140 applicants across the country. Participants are chosen on the basis of prior research experience, academic achievement, interviews and references. He is the first UMD medical student to participate in the program.

Although the year of research interrupts his attendance at medical school (he plans to complete his studies and rotation by January 1989), Balke said he expects it will help him make the difficult career choice between research and clinical practice.

Describing the institute as a

high-powered, basic research facility with about 1,200 medical doctors and 2,000 Ph.D.s working on a variety of projects, Balke said

he will spend his first month in Bethesda interviewing other researchers and deciding which project he will join. Given his choice of research topics including immunology,

molecular genetics, metabolism, or neurosciences, Balke chose immunology and hopes to learn more about immunogenetics and recombinant techniques. He said UMD gave him a good background knowledge in immunology on which to base his studies and, although he



Jeff Balke

embarked on his medical education at UMD planning to enter family practice, he said the School of Medicine's faculty have been very encouraging of his decision to focus on research.

"The faculty supported me immensely in my decision — especially Dean Royce and Dr. Johnson," Balke said. "Once I decided I would like to do research, they really pulled for me."

"Even though UMD is family practice-oriented, if you find you are not headed in that direction, they respect your decision," Balke said. "Anyone considering UMD as a medical school should have no doubt of the education they will get. The atmosphere can't be beat in terms of faculty and administration."

Balke, of Hutchinson, MN also is a recipient of the School of Medicine's Bagley Award.

The best and the brightest of the best and the brightest

1987 award winners announced

The School of Medicine's annual student awards were presented by David Teslow, executive director of the Minnesota Medical Foundation, at the farewell dinner for second year students July 2.

"The awards are especially significant to the students because they are chosen by their peers and judged on the characteristics someone would most want to see in a family physician — such as caring and compassion," said James Boulger, associate

dean of the School of Medicine.

The Puumala Award for the student who best exemplifies the characteristics of the family physician, was given to Gary Kerkvliet of Hutchinson, MN.

Kathryn S. Kramer of Cold Spring, MN was named recipient of the Memorial Award, given to the student who has exhibited generosity and kindness to others, and demonstrated the ability to interact with others in a

positive fashion.

The Lampson Awards, given to a male student and female student who have made outstanding contributions to their class, were given to Sarah J. Nelson of Taylors Falls, MN and David K. Kaufman of Cloquet. The awards are given in memory of Herbert G. Lampson, a former St. Louis County health officer who was one of the first physicians to study the incidence of tuberculosis in Minnesota.

Faculty awards, also chosen by student ballot, were given to Anatomy Professor Arlen Severson, who was named Basic Science Teacher of the Year. Norman G. Yunis, specialist in pulmonary medicine at the Duluth Clinic, was named Clinical Science Teacher of the Year.

Departmental awards were given to Kenneth Mitchell, recipient of the Microbiology Award, and Troy Scott, recipient of the Pharmacology Award.



Awards to second year students were presented at the annual farewell banquet. (left) Recipients include, l to r, Arlen Severson, Clyde Olson, Gary Kerkvliet, Dave Kaufman, Troy Scott, Ken Mitchell, Sarah Nelson and Norm Yunis. (right) MMF Executive Director David Teslow presents the Lampson Award to David Kaufman.

1986-87 Tilderquist Scholars announced



Camilla Bennett

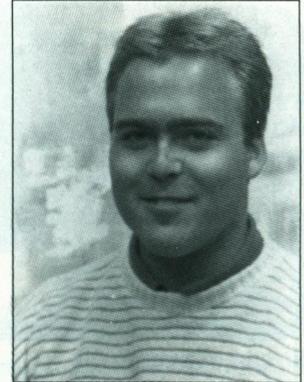
The David L. Tilderquist Memorial Library Revolving Scholarship this year was awarded to six second-year students at the School of Medicine.

Receiving the award and checks for \$1,000 were Camilla Bennett, Jeff Copeman, Dean Krats, Ken Mitchell, Jeff Pastir and

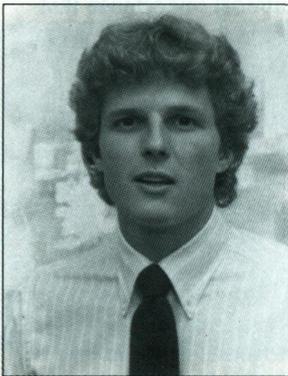
Tereasa Simonson.

The scholarship fund was established in 1974 by the Board of Directors of the David L. Tilderquist Memorial Library.

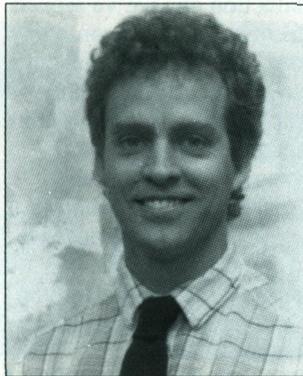
Dr. Tilderquist, who was a specialist in eye, ear, nose and throat medicine, was a prominent Duluth physician for many years.



Jeff Pastir



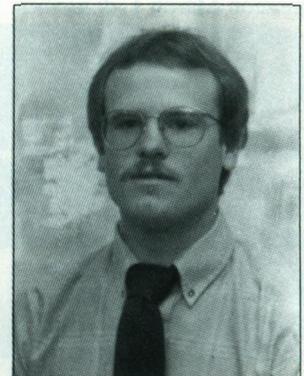
Dean Krats



Ken Mitchell



Tereasa Simonson



Jeff Copeman



Sue Moyer

Moyer, Mitchell receive Achievement Award

Second-year students Sue Moyer and Ken Mitchell recently were recognized for outstanding academic performance, receiving an Excellence in Academic Achievement Award from the UMD School of Medicine.

Moyer is a Hibbing native who earned her undergraduate degree in biology from St. Olaf's College in Northfield. Mitchell received his undergraduate degree in chemistry and psychology from Gustavus Adolphus College in St. Peter, MN.



Ken Mitchell

He'll be missed

Jacott named Health Sciences assistant v.p. at U of M-Twin Cities

When William Jacott, former clinical science professor at the School of Medicine, was appointed assistant vice president of Health Sciences at the University of Minnesota in Minneapolis, Duluth lost a fine family physician and teacher, and Grandma's Marathon lost its medical director of the past 10 years.

Jacott, who began his position March 1, describes his new role as that of liaison between the university health science community and the area's practicing community. He also plans to work to tighten the relationship between professional medical societies, such as the Minnesota Medical Association, and the practicing health care professional.

"I really hadn't been thinking about changing careers," said Jacott, 48, who had practiced family medicine in Duluth for 22 years. "It's a great opportunity to move in as an assistant vice president in a major university with a major health center."

Jacott is a 1960 UMD

graduate with a B.A. in speech and minors in political science and pre-medicine. He graduated from UM Medical School in 1964.

A member of the School of Medicine's originating committee, he also served as the first program director of the Family Practice Center from 1974 to 1978.

He currently is president of the Federation of State Medical Boards of the United States and has been a member for the past five years.

Through his association with the Federation, he has helped bring about a "quantum change" in regulations for licensure. Two years ago, he helped set up a data bank that identifies every action taken by medical boards

across the U.S. on a monthly basis — from a hospital changing a doctor's privileges to malpractice suits.

"Medicine has changed," Jacott said. "Twenty years ago, we were struggling with infections and medicine was just coming into new surgical techniques such as joint replacements. We've pretty much conquered infection and we've moved from an era of research to one that acknowledges that environment and social problems affect health more than we thought. For example, we've done a pretty good job in the heart/stroke area not because we can replace arteries, but because we understand the importance of lifestyle on health."

Jacott also has noticed

that patients are more informed about health matters and are more likely to ask questions and understand medical terminology.

"They are more interested in, read more about and understand medicine better than in the past," he said.

Regarding the education of health professionals, it is of the utmost importance that curricula and education programs remain up-to-date and include new medical techniques. Jacott said students also should be taught to deal with a patient's feelings during high-tech medical procedures such as a CAT scan.

"We also must make certain to continue to work together as a team on an individual's illness — to

bring into our practice allied health professionals, including pharmacists and dentists. We have to continue to develop an interaction between the university and private practice community," Jacott said.

"As the competition for patients gets tighter, we can combine our expertise to work together."

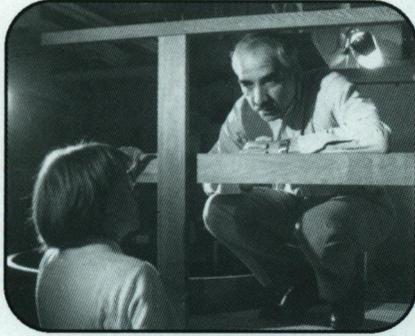


Drs. James Boulger (left), William Jacott (center) and School of Medicine Dean Paul Royce.

20/20

Features UMD
School of Medicine Researchers

Hypothermia study gets hot exposure in media



Judith Moses, 20/20 producer, directs Robert Pozos before cameras start rolling.



John Stossel, familiar to those who watch 20/20, dons the hypothermia suit.



Pozos explains electrodes to record Stossel's body temperature and heart rate.



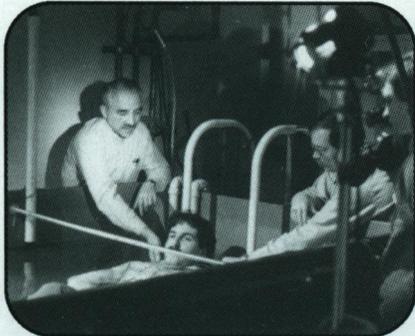
The suit used is a prototype being tested for the U.S. Coast Guard.



Stossel reluctantly enters the tank of 50 degree water, turns to producer



Moses and says, "Judith, why am I doing this for you?"



Rick Hoffman (R), compares Stossel's perception of his temperature against his actual temperature -- typically, he felt colder than he was.



"He wanted to come out right away," Pozos said. Giving in to the persuasive powers of his producer, Stossel endured 20 minutes in the tank.



Amidst sound and light equipment, Pozos explains Stossel's body temperature dropped one degree in 20 minutes. Hypothermia begins at 95°.

When Robert Pozos talks about hypothermia, everyone listens -- including a 20/20 news crew that visited the UMD School of Medicine

last winter. The 20/20 segment appeared on the news-magazine's April 2 show. Pozos, associate professor and head

of the physiology and biology department, also has appeared in articles in the *Wall Street Journal* and *Newsweek*.

Myers, Haller publish book on conference

The problems American Indian students face as they embark on medical careers are addressed in a recently published book by Edwin Haller, associate professor of physiology, and Ruth Myers, co-director of the American Indian Program, both at the School of Medicine.

Searching, Teaching, Healing: American Indians and Alaskan Natives in Biomedical Research Careers, is the result of a 1984 conference of the same name which was organized by Haller and Myers. The book is based on speeches given by American Indian/Alaskan Native health care professionals and researchers at the conference.

The significance of the publication is that it focuses on American Indian /Alaskan Natives and the biomedical research field, which is important to them as they face the challenges of improving the health of their communities," said Myers.

The book calls attention to the problems which exist for American Indian and Alaskan Native students entering the sciences. The most important message at the conference and throughout the book addresses the issue of American Indians struggling to work within Western society while trying to maintain their cultural identity.

"They are often ill-prepared in terms of background," said Haller. "They aren't trained to compete in the



Ruth Myers and Robert Haller with their recently published book, *Searching, Teaching, Healing: American Indians and Alaskan Natives in Biomedical Research*.

manner in which society expects — grant writing and goal-oriented achievement, for example."

American Indians entering medical careers also face a serious challenge simply in terms of numbers. Only three-tenths of 1 percent of the biomedical scientists in the U.S. are American Indian and only eight Indians in the U.S. hold Ph.D.s in biomedical research, according to

national Affirmative Action and equal opportunity polls. And of the 550,000 physicians in the U.S., only 500 are American Indian.

The book is useful for teachers, students and counselors of American Indian/Alaskan Native students who need insight into Indian culture and its relation to medical careers. It is available at the UMD Second Edition Bookstore .

Royce Resigns

cont. from pg. 1

some extremely troubled financial times and yet the School of Medicine has prospered very well through this period," said James Boulger, School of Medicine associate dean for administration and student affairs. "I thoroughly enjoyed working with Paul and found him to be eminently fair and judicious in his dealings with faculty, staff and students."

Royce also has been producer and moderator for "Doctors on Call," WDSE-TV's locally-produced weekly show that features three area physicians who

join Royce in a discussion of a medical topic. The live program also features call-in questions from viewers and has been a ratings success since its inception.

"The show drew attention to the School of Medicine and let the people in Northeastern Minnesota know there was a medical school here," Royce said.

Royce came to the UMD campus from Robert Packer Hospital, Sayre, PA, where he was director of medical education since 1971. He also held appointments at Hahnemann and the State University of New York Medical Center, Syracuse, where he was assistant dean for continuing education.

Conspectus is a publication of the University of Minnesota School of Medicine. Comments and contributions to *Conspectus* are welcome. Please address all correspondence to:

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