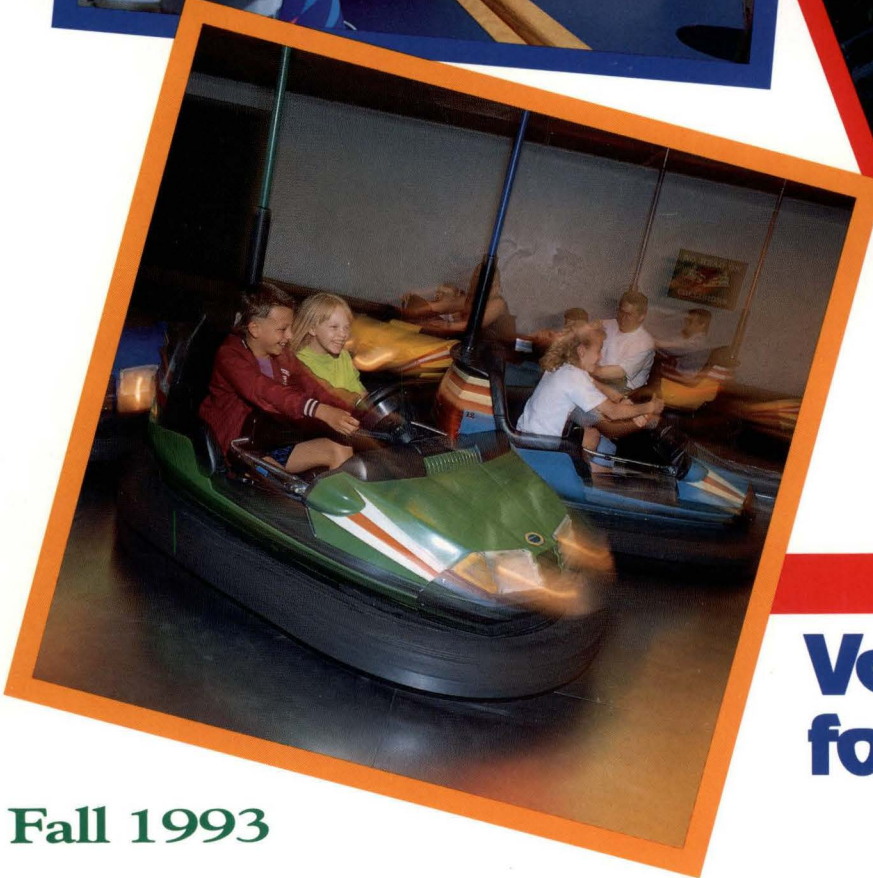
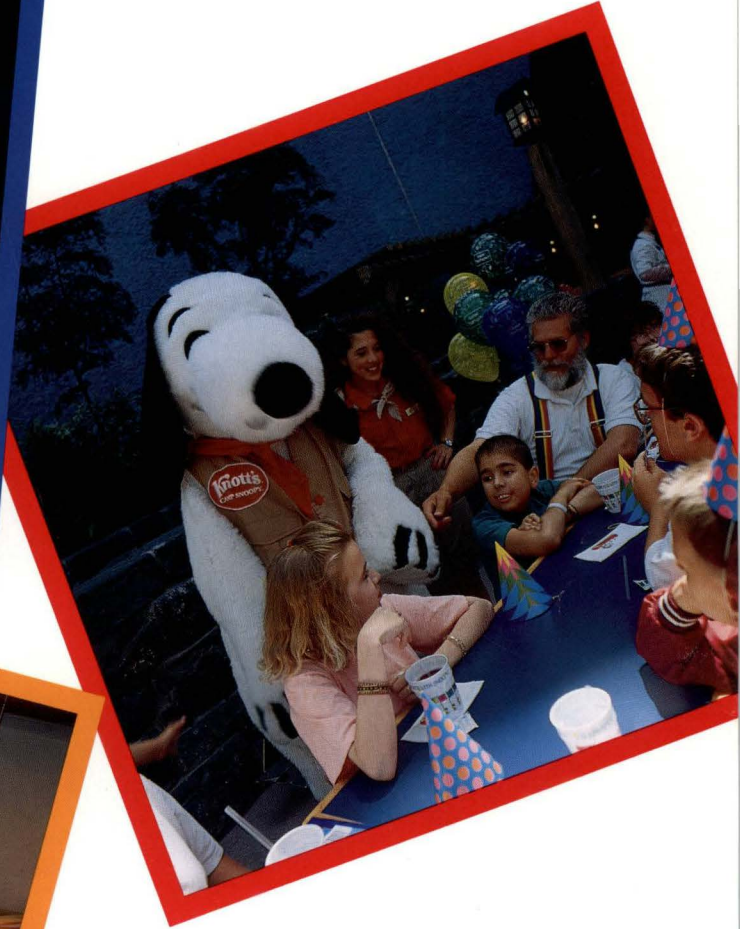


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University of Minnesota

Medical Bulletin

A PUBLICATION OF THE MINNESOTA MEDICAL FOUNDATION



**Variety Works
for Children**

Fall 1993

The Minnesota Medical Foundation supports the research and educational missions of the University of Minnesota Medical Schools by encouraging private contributions.



ON THE COVER:

Children from the Variety Club Children's Hospital and their families enjoy a day at Camp Snoopy in the Mall of America. Photos by Dan Kieffer.



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The Minnesota Medical Foundation

was founded in 1939 by a dedicated group of faculty members and medical alumni who saw the need for private support to build a strong future for the Medical School. A non-profit organization, MMF raises and disburses funds for medical education and research at the University of Minnesota Medical Schools in the Twin Cities and Duluth.

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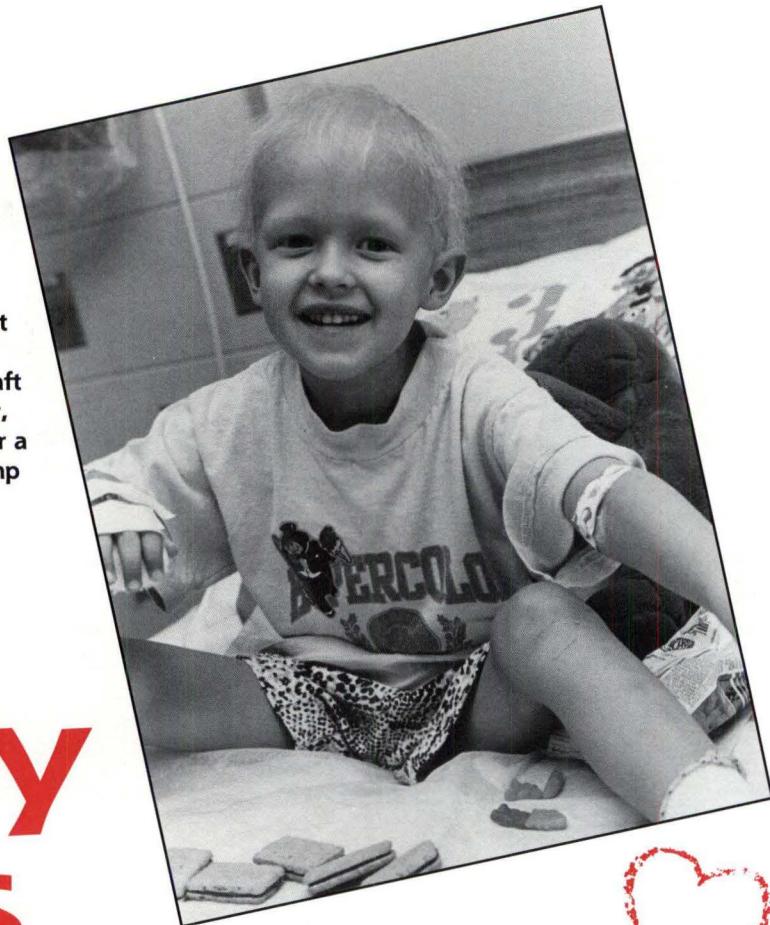
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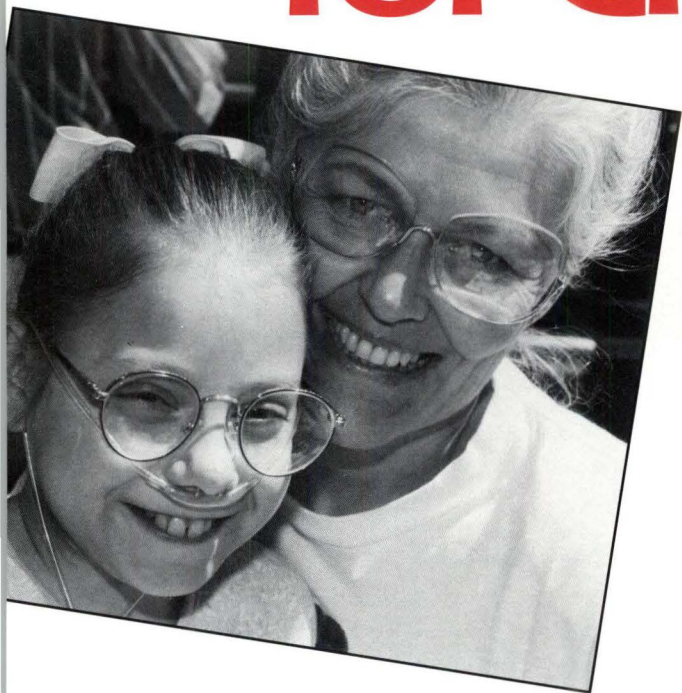
At right, patient Kirk Pederson. Below, Mary Taft and her mother, Janet, pause for a moment at Camp Snoopy.



Variety Works for Children



Variety Club Association helps meet the special needs of sick children and their families.



Whitney Luhmann has spent more than a year and a half of her seven-year life at the University of Minnesota Variety Club Children's Hospital. So has her mother. An energetic and charming little girl, Whitney has been in and out of hospitals since she was a year old. When she came to Variety Club Children's Hospital at the age of four, she stayed — and waited — for her first lung transplant. Her body rejected the new lung, meaning more waiting and more hospital stays.

Going to the hospital can be scary for a child — and for the child's family. Fear of the unknown, being away from home, and the pain of illness can all be traumatic. Long hospital stays can be even more stressful, straining family ties and budgets as well as sapping a child's enthusiasm. For many families, this is reality.

A year and a half after first coming to Variety Club Children's Hospital, Whitney received her second lung transplant. It was a success. Now she only comes in periodically for two-day follow-up visits.

During all this time, the Luhmann family has had to balance the logistics of Whitney's treatment and the emotional, financial, and practical needs of the entire family. This is the challenge many families with hospitalized children face.

BY JODI OHLSEN READ

*Photos by Dan Kieffer, Nancy Mellgren,
and Sharon Hoffmann*

The personal approach

Variety Club Association, a Minnesota Medical Foundation affiliate, strives to help families and children meet the special needs that arise during their stay at Variety Club Children's Hospital. "Whatever we needed, we just had to tell someone and it usually worked out," says Sandi Luhmann, Whitney's mother. Variety Club works closely with hospital staff to provide activities, personal attention, and other support for children and their families.

Variety Club is committed to serving children. "One way Variety Club of Minnesota meets children's needs locally," says Bill Heiman, executive director of Variety Club Association, "is by providing excellent health care. There is an incredible need for accessible, exceptional health care for children. We meet that need, for kids and for their families, at the University of Minnesota through cooperative efforts of Variety Club Children's Hospital and Clinic, the Department of Pediatrics, and the Variety Club Association."

Variety Clubs have helped children locally, nationally, and internationally for decades. Variety Club International began as a small social club in Pittsburgh, Pennsylvania, in the fall of 1928. Since the eleven members came from various aspects of show business, they adopted the name Variety Club. Their first celebration, which emphasized the show business theme with circus acts and sideshows, drew publicity and attention. The public attention influenced the group to direct its energies to helping others.

On Christmas Eve 1928, an unusual event determined the path and focus of the group far into the future. A desperate mother left her tiny baby in the Sheridan Square Theatre with a note asking that the child be looked after. The Variety Club members arranged for her care and eventually her adoption. From this point on, Variety Club focused on helping children.

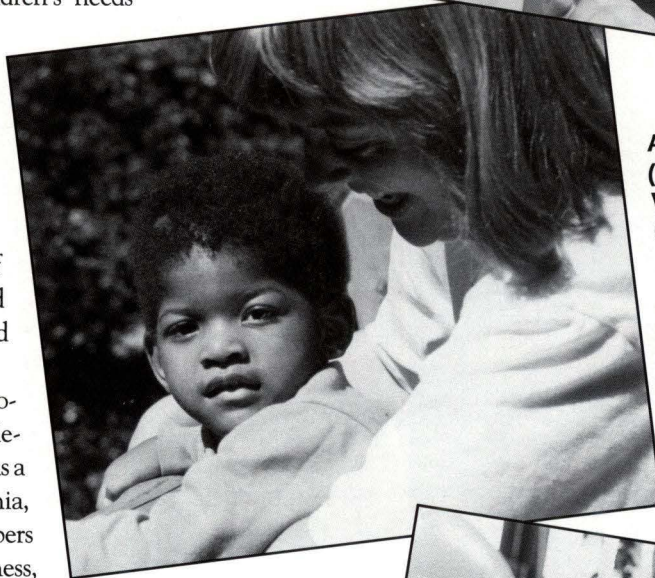
Now, 66 years later, Variety Club International has more than 50 tents throughout the world. Some of the terms still used, "tent" representing an individual chapter and "chief barker" for president, reflect the early days of the organization.

Chartered in Minnesota on February 24, 1934, Variety Club of Minnesota, Tent 12, has an extensive list of contributions to the community. Variety Club Association aided refugees through War Relief during the 1930s and sponsored a milk fund program for needy children. They provided funding in the 1940s for hospital care, treatment, and rehabilitation for polio patients.

Variety Club Association has a long history of working with the University of Minnesota to provide better health care for children. In response to the



Above, sisters Emily (left) and Jessica VanHook party at Camp Snoopy.



Left, volunteer director Joanne Cameron with Peace Marklund. Below, Purity and Peace Marklund play with volunteer Katie McSherry.





increase of rheumatic fever cases and subsequent increase in heart problems, Variety Club Heart Hospital was established at the University of Minnesota Hospitals. Fund raising for the hospital began in the late 1940s and the new Variety Club Heart Hospital opened in 1951.

The Variety Club Heart Hospital soon became an international leader in pediatric cardiac care and research. Variety Club continued its alliance with the Heart Hospital by raising money for needy patients, patient care, and equipment, and sponsoring expansion through the 1960s. Funding for pediatric research and physician training began in the 1970s.

In the mid-1980s, Variety Club pledged \$8 million for the construction of a new University of Minnesota Variety Club Children's Hospital. The hospital, which opened in 1986, was designed to be family and patient friendly. Patients now come from all over the nation to receive highly specialized care and treatment of childhood diseases. Care and treatment range from routine to extremely specialized, including organ and bone marrow transplantation, cancer treatment, heart disease diagnosis and treatment, cystic fibrosis therapy, and general primary care.

Variety Club maintains its close relationship to the University of Minnesota Variety Club Children's Hospital by providing funding for hospital facilities, equipment, and research, and offering patient and family care programs.

Making things easier

As coordinator of Variety Club patient and family care programs, Joanne Cameron, Variety Club Association volunteer director, is often seen around the hospital talking with hospital staff and patients to find out what people need and want. "I would like Variety to be seen as caregivers that can satisfy the extra needs and wants of patients and their families," says Cameron. "I hope Variety will be known for the caring that is beyond the everyday routine."

Cameron is developing a pool of volunteers and coordinating Variety Club programs with other hospital departments. Being a volunteer herself, Cameron speaks very strongly about the need for volunteers and the rewards of volunteering. "I believe everybody has time to volunteer, even if it is only for a couple of hours or for a limited amount of time. It's a matter of deciding to volunteer some time and then making time to do it."

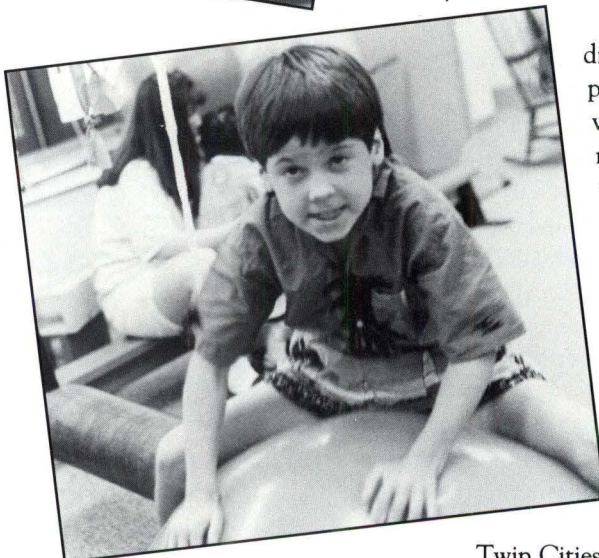
Volunteers are the backbone of "Variety at Work," a program that includes a number of activities and services designed to relieve some of the stress the entire family can feel. Volunteers spend various amounts of time, generally two to four hours a week, working directly with patients and families. The personal support is often invaluable for the parent staying with their child. Many times patients are not from the

Twin Cities and at least one parent chooses to stay with the child continuously, which can be exhausting and emotionally draining.

Whitney's mother, Sandi, stayed in the hospital with Whitney while her



Above top, Jessica Mosel gets a hug from Snoopy himself. Middle, Jordan Luhmann and Cheri Valentine bump around Camp Snoopy. Right, patient Peter Marklund.



husband worked in their Southern Minnesota hometown. "This hospital was my home for 18 months," says Sandi. "You can get a room in a hotel but when your child is so sick, you don't leave. You need to be here."

Knowing that many parents stay at the hospital around the clock, Variety Club helped provide special sleeper chairs in patients' rooms. This way parents can rest without leaving their child. Parents can also take a needed break by calling for a Variety Club Pal. A volunteer will spend one-on-one time with a child talking, playing, or helping with school work so the parent can shower, eat dinner, run errands, or simply relax.

"Variety did so many things for the parents that made it a lot easier," says Sandi Luhmann. For example, Variety Club arranges a brunch and a wine and cheese hour to give parents a chance to relax and socialize. The social activities are a welcome diversion since parents don't often have time or energy to maintain friendships outside the hospital.

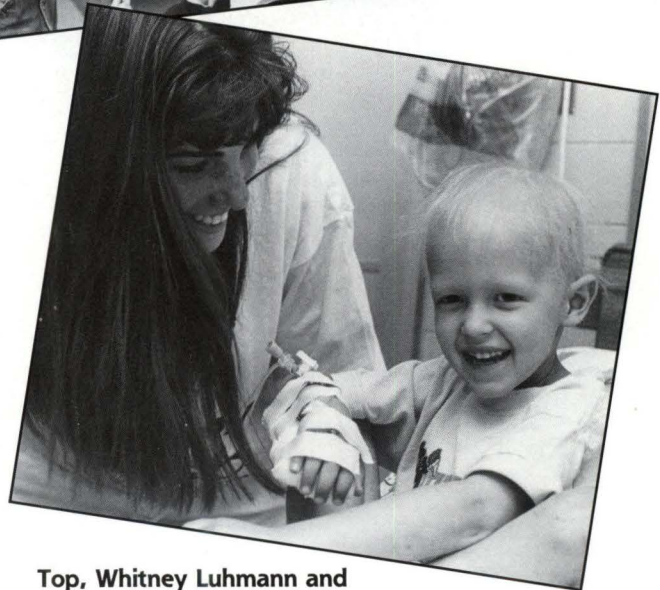
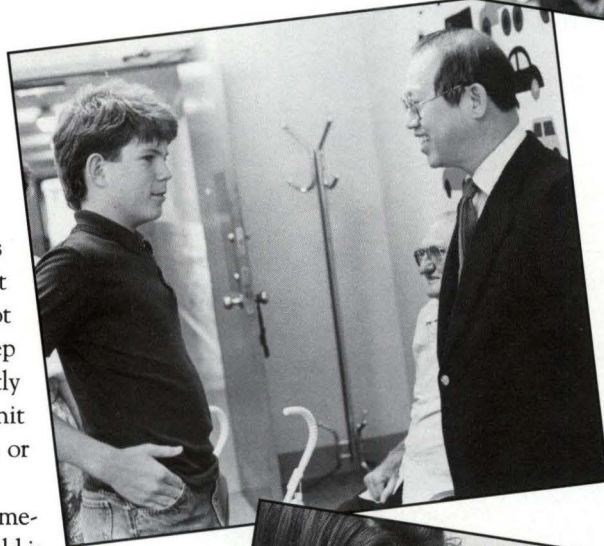
Making things easier for parents is the goal of another Variety Club project. When a child is in the critical care unit, parents usually don't leave the hospital. Since sleeper chairs are not available in the critical care unit, frequently the only sleep parents get is on a waiting room couch. Variety Club is currently raising funds for a private family room within the critical care unit so parents can sleep, talk with family members and doctors, or emotionally re-group.

Often, parents or children need very simple things and sometimes the smallest gesture makes a big difference. "When a child is so sick the little things can get overlooked but they are very important," says Cameron. "Recently the parents of a seriously ill boy wanted to have his hair cut. A hairstylist volunteered her time to cut his hair. This simple gesture was greatly appreciated by the parents."

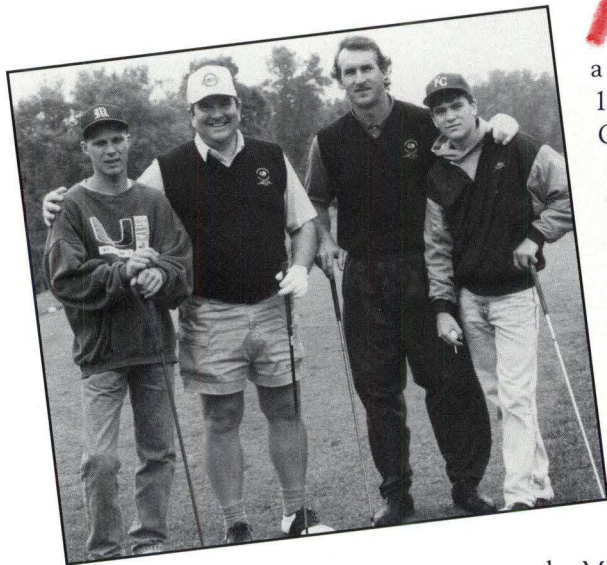
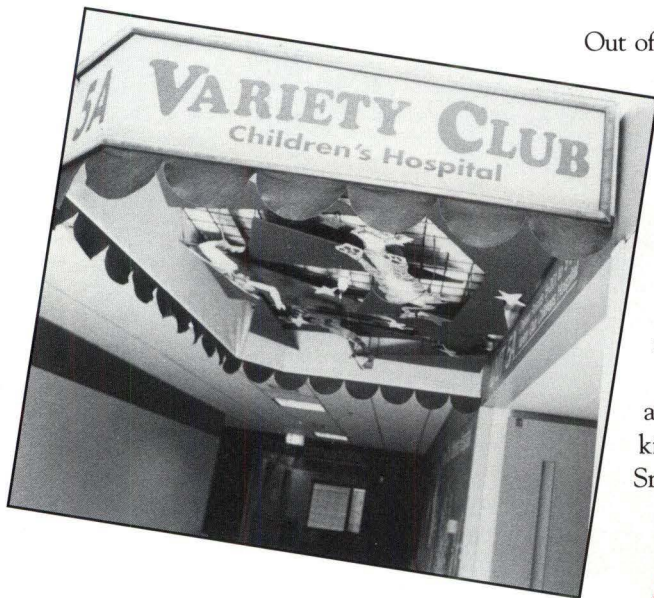
Requests or needs that are out of the ordinary are often referred to Variety Club. Recently, Joanne Cameron arranged for a family from Taiwan to meet with Dr. Ji-Chia "Nick" Liao, who speaks Mandarin Chinese. Words flowed between Dr. Liao, associate professor of anesthesiology, and Ann Marklund and her children. Ann, a native Minnesotan, and her husband and four kids are based in Taiwan but came to Variety Club Children's Hospital for care for all four children. Talking with Dr. Liao was a refreshing break for Ann and her children, who are used to speaking Mandarin Chinese.

Many efforts are made to help children feel more comfortable. Because physical surroundings affect the children's attitudes and comfort levels, Variety Club has helped make the hospital environment more appealing to children. Circus characters on a colorful canopy at the entrance of pediatric unit 5A welcome children passing under it on a gurney. Variety Club provided start-up funding for the project which will also include magnetic boards on the children's doors that will let them personalize their room entrances. Variety Club also donates toys regularly for children staying at the hospital.

Siblings can be deeply affected by their brother or sister's hospitalization.



Top, Whitney Luhmann and her brother, Jordan. Middle, Dr. Liao talks with Paul Marklund. At foot, Katie McSherry tells Kirk Pedersen about the upcoming Snoopy party.



Above top, a circus awning welcomes kids to 5A in the Variety Club Children's Hospital. Below, (L-R) Chris James, Don Beeler of Snyders, Steve Payne, and Mike Hoffman at the Steve Payne/Snyder Golf Tournament.

Out of necessity, Whitney's two brothers each stayed with a different set of grandparents, separating the family further. Variety Club strives to ease the stress for the entire family, organizing family activities that include siblings too. Each month Variety Club takes patients and their parents and siblings to Knott's Camp Snoopy at the Mall of America.

In June, Variety Club brought 24 kids and their parents, nearly 50 people, to Camp Snoopy for the afternoon. The excitement was tangible for days before the event and children talked about it for days after. Outings like this provide a chance for the kids to be kids and families to be together in a non-hospital setting.

Variety Club is a Knott's Camp Snoopy priority charity for 1993, allowing Variety to schedule special events and provide activities for the kids. Variety Club also receives money from the wishing ponds at Camp Snoopy.

Another way Variety Club supports children's health is through the Variety Club Children's Clinic, an outreach clinic serving disadvantaged children and their families in the Minneapolis Phillips neighborhood. The clinic has been a part of the Community University Health Care Center since the early 1960s. In 1991, the clinic was able to open a new building through Variety Club funding.

"The Variety Club Children's Clinic is another way of giving back to the community," says Bill Heiman. "We can see the direct impact of service to a child. Our hope is that people will know Variety Club as a resource that provides the best health care for children."

Variety Club sponsors many other events throughout the year to raise funds for children. The annual Steve Payne/Snyder Golf tournament, held in the spring; the Affair of the Heart benefit, recognizing special volunteer efforts; and the Toyland Auction, all raise money to support Variety Club activities. In addition, Variety Club relies on planned gifts and individual donations for a majority of its gifts.

Variety Club also provides for the future of children through its work with the University of Minnesota Department of Pediatrics and the Medical School. In 1992 Variety Club Association affiliated with the Minnesota Medical Foundation, which allows Variety Club to dedicate additional funds to patient and family services and to research. The fellows and scholars programs provide opportunities for medical students specializing in pediatrics, allowing them to pursue their training, education, and research in pediatric medicine.

Many children and families have benefitted from Variety Club's efforts. Variety Club relies on volunteers to implement its programs and depends on donor support to make it all happen. To be a part of Variety Club Association and its activities, people can contribute in many ways. As a member or as a volunteer, people can donate money, needed items like tickets to special events, or their time.

The rewards of helping the children far exceed any expenditure of time or money. The reasons for helping children through Variety Club are often similar. "I wanted to help them have fun," says volunteer Katie McSherry. And the rewards? "It's the smiles on their faces." ■

The Lifson/Johnson Memorial Award: Creating a Legacy



Scott Carlson receives his award from Mrs. Helen Lifson and Mrs. Edith Johnson.

MMF awards such as the Lifson/Johnson Memorial Award recognize outstanding teaching and research.

by Jean Murray

Some people have an insatiable zest for learning which lasts a lifetime. And sometimes, those same people have a remarkable gift for teaching, and for instilling in their students that desire to learn.

Dr. Nathan Lifson was one of those special people, and so was Dr. John A. Johnson. Their curiosity about the world extended far beyond their chosen field of physiology, and that excitement for learning was not lost on their students.

Scott Carlson, graduate student in physiology, shows signs of carrying on this legacy. He is excited by the science of physiology, and communicates his curiosity to the medical students he teaches in the neuroanatomy and human physiology labs, and the pharmacy students who are learning about neuroscience.

"I love teaching, and am always interested in bringing more people into the field of physiology," he says.

Carlson was recognized for his efforts this past spring when he was selected to receive the \$1,000 Lifson/Johnson Memorial Award for outstanding teaching by a graduate student in the Department of Physiology. The award is given by the Minnesota Medical Foundation.

"Scott is an excellent choice to receive the award," says George Bloom of the Physiology Department. "I observed him teaching on a number of occasions and he was always enthusiastic and clear. The students accepted him very well, and went to him with their questions. He was very available to the students."

Carlson's teaching is done strictly on a voluntary basis; he is not required to teach as part of his Ph.D. program. "It's rather remarkable that he volunteered to do so much teaching," says Bloom.

The Lifson/Johnson Memorial Award also recognizes superior research in the area of physiological transport systems. The permanently endowed annual prize for graduate students in physiology honors the memory of two former University of Minnesota faculty members, Drs. Nathan Lifson and John A. Johnson.

Teachers who loved learning

Lifson and Johnson were long-time colleagues who shared a common interest in research concerned with the processes involved in the transport of materials across cellular membranes in living organisms. In addition, they shared a deep commitment to teaching the fundamental principles of physiology.

Both Lifson and Johnson were internationally recognized for their work. Lifson developed a method for measuring the total number of calories burned by people or animals engaged in various activities by ingesting water containing labeled oxygen and hydrogen atoms. Applications of the technique — which calculates energy expenditure and hence the food requirements of individuals — include determining food requirements of pregnant women and helping solve eating disorders such as obesity and anorexia.

A special British Nutrition Society symposium at Cambridge University was organized in 1986 honoring Lifson's work in energy metabolism, and in 1987 Lifson received Great Britain's prestigious Rank Award for outstanding work in science.

Dr. Eugene Grim, physiology colleague who worked with Lifson for many years, says, "He was both an outstanding scientist and a superb teacher. I believe that his ability as a teacher was based on the fact that he was always interested in learning something new himself."

George Bloom adds, "He would ask crucial questions and immediately recognize the core issues of a discussion. He was amazing in his ability to listen

and comprehend."

Dr. John A. "Jack" Johnson also was an extraordinary teacher and scientist, and, like Lifson, was revered by students and colleagues. Dr. H. Mead Cavert, longtime friend and colleague, says, "Jack was gentle, generous, and genial in his professional and personal associations, not the least with fellow students of all ages and levels. The 'Jacksonian' characteristics included fundamental physiological concepts explained with clarity, interlaced with warm, subtle humor and a continuing concern for student learning and student welfare."

Eugene Grim adds, "His most outstanding personal characteristic was his willingness to help others. Many colleagues came to him to talk about their research problems. Students who took his undergraduate course came not only to discuss the course material but to talk about

their hopes and plans for the future. Jack gave all these his serious and unselfish attention."

Johnson had an international reputation for outstanding research in the area of transport processes in the cardiovascular system with emphasis on the movement of materials across the capillary wall, the blood-brain barrier, and cell membranes in the heart. He had exceptional ability in the application of physical, chemical, mathematical, and engineering fundamentals to understanding the operation of living systems.

From classroom to lab

Scott Carlson's research project involves the study of how the body responds to ingestion of salt in order to prevent increases in blood pressure. He explains, "My research focuses on the relationship between salt intake and blood pressure. More specifically, I am studying the possibility that receptors exist in the gut that are sensitive to salt intake."

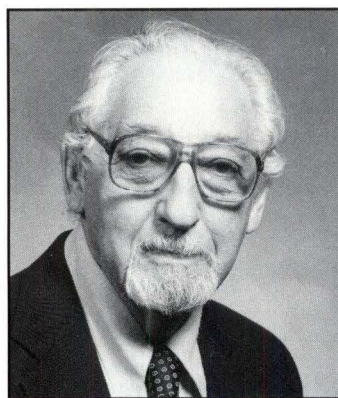
Carlson says that he and other colleagues have demonstrated that when salt intake is increased in rats, there is an increased plasma concentration of the antidiuretic hormone vasopressin (a hormone that is released from the pituitary gland). This increase in vasopressin occurs by some mechanism other than the two known controllers of vasopressin release — those being the salt-sensitive receptors in the brain and the blood pressure sensitive receptors in the heart.

"We hypothesize," he continues, "that receptors in the gut, known as peripheral osmoreceptors, are directly stimulated by salt intake, and are responsible for the observed increase in plasma vasopressin levels. This vasopressin then has two direct effects: it acts at a site in the brain to cause a decrease in nerve activity to the kidney which results in an increase in salt excretion, and it acts at the kidney to promote water reabsorption."

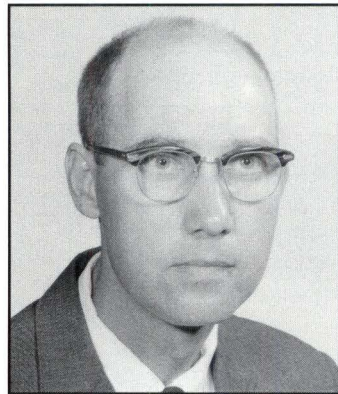
Thus, explains Carlson, when the salt intake is increased, this action or reflex is responsible for maintaining the body's net sodium and water balances by causing sodium excretion while preventing water loss.

"The existence and physiological significance of this reflex in either animals or humans remains to be determined," says Carlson, "but it provides for a means by which salt intake can be directly monitored. Additionally, since any impairment of this reflex could result in both sodium and water retention, this model provides for another form of salt-sensitive hypertension."

Mrs. Nathan (Helen) Lifson and Mrs. John A. (Edith) Johnson share their husbands' deep belief in the importance of medical research and the value of excellent teaching. Their decision to establish the Lifson/Johnson Memorial Award through the Minnesota Medical Foundation will reward superior research and teaching, and assure the continuation of the legacy Drs. Lifson and Johnson created. ■



Dr. Nathan Lifson

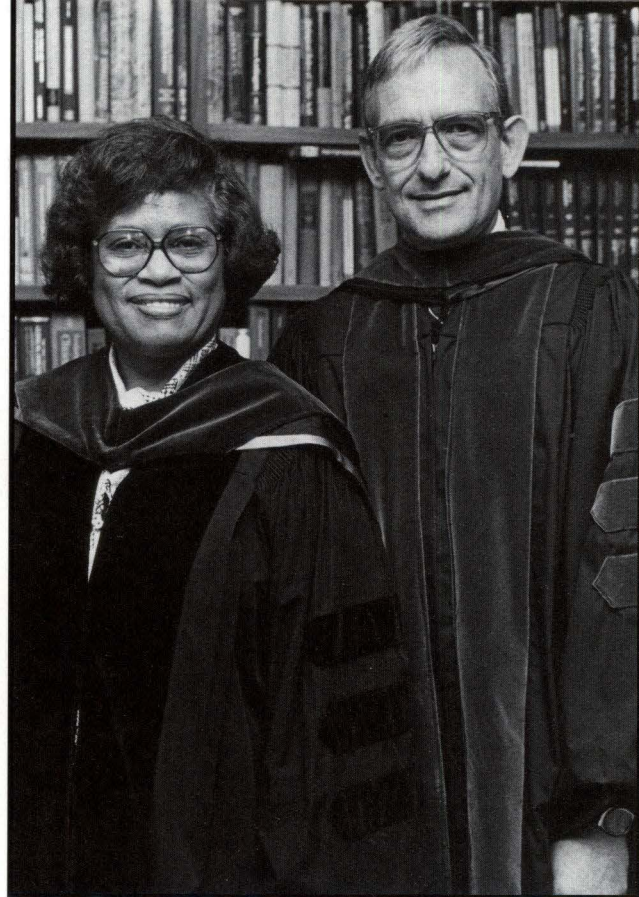


Dr. John A. Johnson

A Message to the Class of 1993

Dr. Joycelyn Elders, U.S. Surgeon General designate, delivered the graduation address on June 4, 1993, to the Medical School Class of 1993. Dr. Elders did her internship at the University of Minnesota Medical School 32 years ago.

Photos by Nancy Mellgren



Dr. Joycelyn Elders and Dean David M. Brown

Iwant to talk to the graduates this afternoon about your roles and responsibilities as you face the 21st century. Health care will not be the same for you as it's been for many of us ahead of you. The 19th century in America was the century of germ treatment and disease and often all we could do was practice cleanliness. In the 20th century, we've been immersed in modern therapeutics and biotechnology. As you wade off into the 21st century, you will see much chronic disease and problems created by lifestyle; you'll have to deal with the problems of our aging population and you'll have to develop methodologies to make sure we take care of all of our people.

You've heard a lot from your President and others about health care reform, and most of what you've been hearing is that health care costs too much and delivers too little. We are spending 14 percent of our Gross National Product on health care. What we're often paying for is very expensive dying. Ninety percent of our health care dollars are spent in the last few months of life.

You will have to focus on prevention. We spend less than 1 percent of our health care dollars on keeping people healthy. We've got to start improving our health status so the central question becomes, "How do we keep people healthy?" We've already extended the length of life. Now we must deal with how we can improve the quality of life so we can all live healthier, longer.

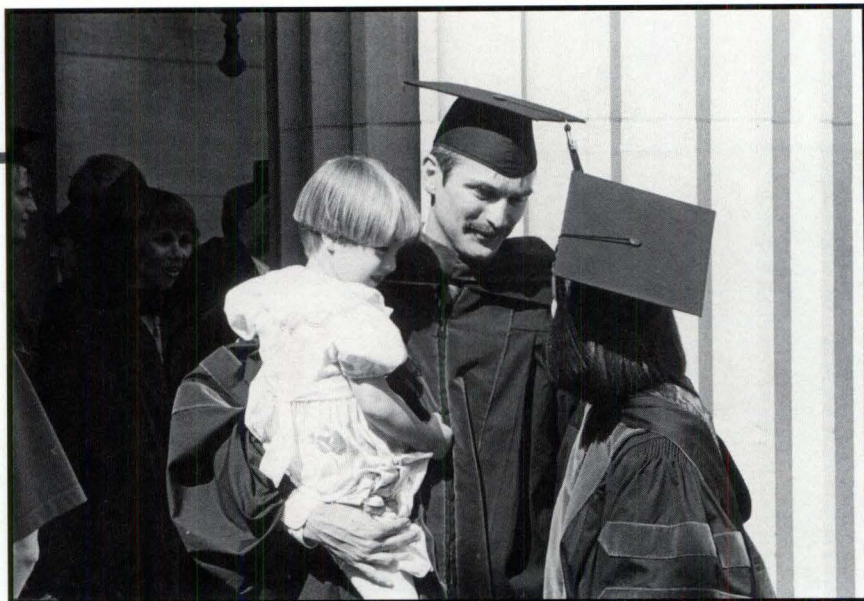
As you go about your careers, you will find that there's going to be increased organization and complexity. There is going to be increased emphasis on primary care and prevention. You're going to be performing more out-patient services, but you're going to help create a health care system, not a sick care system. Bill Roper at the CDC (Center for Disease Control) has said several times that if we reform health care without reforming public health that it will be the equivalent of somebody having a bicycle with two flats. You'll feel you're

A Message to the Class of 1993

making progress, but you won't be going any faster. That is, we've got to reform both our health care as well as our public health system.

So what are the things that have to be part of this new system that you're going to go out and become a part of? Marcia Angell, M.D., in the *New England Journal of Medicine* says that good health care reform must perform six functions. First of all, it must be **coherent**. What we have is a health care system that provides a patchwork of services by multiple providers all being paid for by different agencies. It's got to be **comprehensive**. It's got to **contain cost**. We've got to maintain **choice**, both for the physician and the patient. It's got to be **equitable** and we know our present system is not equitable. And last but not least, it's got to be **universal**.

I was talking to a group of lawyers and I said, "I feel that every American should have a right to health care." I want



"We all have a responsibility to start trying to prevent some of the problems which we see and which are coming."

beach sipping from the fountains of "Just Say No," "morally right," and "Whose values are they going to teach?" We are going to have to go out and get our children. Now is not the time to be giving swimming lessons. We've got to save the most valuable resource we'll ever have — that's our children.

We find that our children are getting poorer. In 1970, one in seven was poor. In 1990, it's one in five. If they are in the

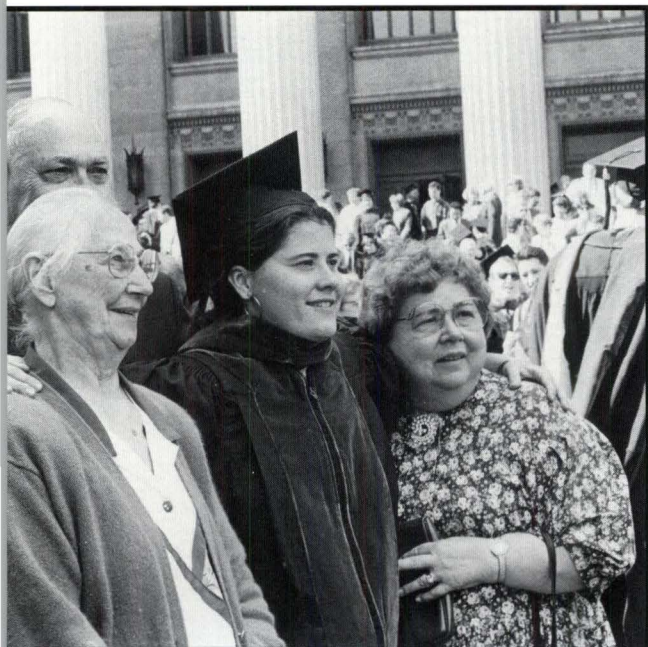
South, it's one in four. And if they are minorities, regardless of the minority, it's one in two. We've got to save our children.

We are finding that we have too many of our children that are members of what I call the "Five H Club." In the richest country in the world, every night, three to five million children go to bed **hungry**. Too many are **helpless**. Out of the 37 million Americans who have no health insurance, a third of those are children. Too many are **homeless**. The National Merit Scholar at Central High School, the largest high school in Arkansas, was found to have been put out by her family and was sleeping in an abandoned car for the past three months. We owe our children more than that. We can do better than that. We can't afford to lose them. Too many are **hugless**. They have nobody to care about them, nobody to love. Too many are **hopeless**. When you have nowhere to go and don't know how to get there, what difference does it make how long it takes you to make the journey? So as you walk out and as you

you to know one of the lawyers stood up and challenged me and he said "Dr. Elders, who gave them that right?" Well, I feel that if every criminal in America has the right to a lawyer, every sick person should have a right to a doctor. You must make that happen.

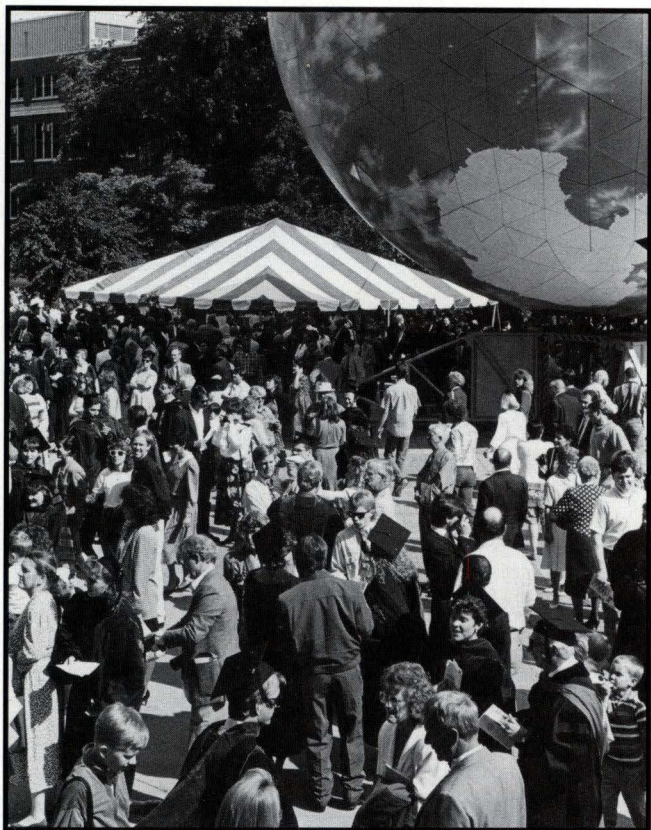
As you go about your duties, you'll find that it's the social problems impacting the

health of our nation that are a major problem influencing cost. You'll find that many of our children are out in the ocean surrounded by the sharks of drugs, alcohol, homicide and suicides, and teen pregnancies, and we are sitting on the



become the leaders in health care in your communities, I want you to remember the real reasons that get so many of our bright young people in trouble.

We look at problems with drugs. Sixty-six percent of our high school seniors have tried illicit drugs, and 34



percent use them regularly. We find that 50 percent of our 12- to 17-year-olds consume more than a six-pack of beer a week. One in seven is a problem drinker. The most common cause of death of our bright young people is accidents, 50 percent related to drugs or alcohol. Eleven percent of all our babies born in America have been exposed to drugs or alcohol.

We find that many of our children are smoking and they usually start before the age of 14, and if they start smoking, we know that they are 100 times more likely to use marijuana, and 30 times more likely to use cocaine. And yet, we as a people — and it's our government so we do it — we subsidize the tobacco industry. And for every three cents of every dollar that's spent, they say, "Well, we have to take

care of the tobacco farmers." Well, I want you to know, for every three cents out of every dollar that goes to the tobacco farmer, it costs you eighteen cents to give the tobacco farmer three cents. We've got to change the way we do business if we are going to make a difference.

In adolescent health care, we see increasing numbers of children having children. America has a distinct privilege of having the highest pregnancy rate, the highest birth rate, and the highest abortion rate in the industrialized world. Every year, more than a million children between the ages of 15 to 19 become parents before they become adults. Many of them have been abused and we know that every child abuser will abuse an average of 250 different children during the course of his or her lifetime. So if you do nothing about it, you've left him free to abuse another 249 children.

So I feel that we all have a responsibility to start trying to **prevent** some of the problems which we see and which are coming. We've got to reduce the number of guns that are taken to school every day. We've got to begin to deal with the problems of homicide and suicide. It saddens me very greatly because I see so many of the problems in Little Rock. Only one out of five young black men will ever grow up and earn enough money to support a family. Two out of five will be lost to drugs and alcohol. One out of five will be killed by black-on-black crime, and one out of the five will be in prison. We've got more young black men in prison than we've got in college. We've lost a whole generation of bright, young black men because of our failure to respond. What are some of the things we can do?

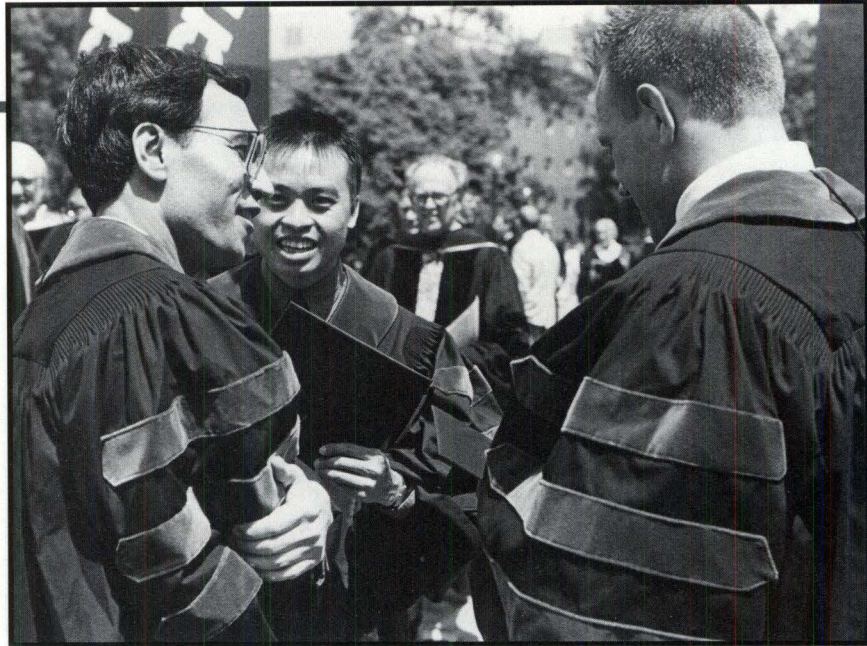
What are some of the things we must do, if we want to make a difference in this country? One of the first things we **must** do is we must make sure that every child born in America is a planned, wanted child. We have the resources, we have the know-how. We've got to make the commitment to get it done. Every time I say that many people say, "Well, you're talking about expanding abortions." I'm not about abortions, I'm about preventing unplanned, unwanted pregnancies. And if we prevent the pregnancy, there will never be the need for an abortion. I've never known a woman to need an abortion that was not already pregnant, so we've got to prevent the problem rather than trying to fix the problem.

We've got to strengthen families. How do we strengthen families? We strengthen families by making sure that chil-

A Message to the Class of 1993

children get a good start. You know that children are half as tall as they'll ever be by the time they are three. They know half as much as they'll ever know by the time they're four. Hope, will, and drive have been determined by the time they're five and we often don't even reach them until after they enter first grade. Eighty-five percent of middle and upper income children receive early childhood education, but only 18 percent of the children on Medicaid — this is the poorest of the poor — ever have any early childhood education. So we must make sure that every child has an opportunity for a good start.

We've got to make sure we have a comprehensive health education program in our schools from kindergar-



**“You’ve got to
be the voice and
the vision of the
poor and the
powerless.”**

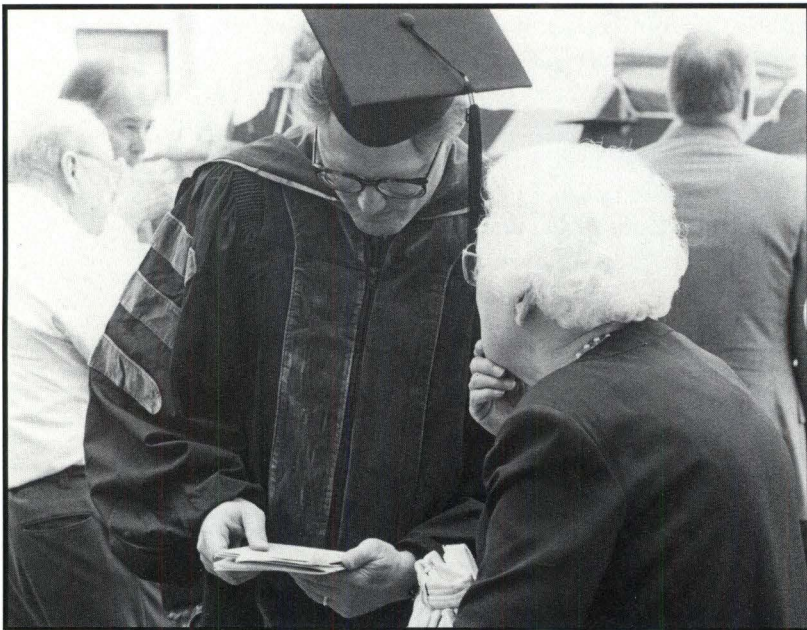
teach our young men how to be responsible. We've allowed too many of our young men to walk around and donate sperm and feel that that is equivalent to being a father. We've got to teach them responsibility.

We've got to make our schools full-service schools.

Here in St. Paul, back in the 1970s, you developed a wonderful model for us, you showed us the way, you told us that the best place to provide health education and health services was at school where the children were. In 1993 we are still arguing about that model because we're worried about the fact that somebody might say something about sex. Well, given the fact that we have a marked increase in AIDS, and we have the highest teenage pregnancy rate in the industrialized world, somebody needs to teach them something about sex before we lose a whole generation of bright, young people with their heads in the sand.

I told my brother, who is a United Methodist Minister, that we had to get our preachers to stop moralizing from the pulpits and preaching to the choir. Our churches need to stop being a haven for the saved and start being a hospital for the sinners. We've got to get them involved so we can make a difference and save the most valuable resource we'll ever have.

The other thing we've got to do is offer our bright young people hope. The cost of keeping one prisoner in prison for one year is \$35,600 dollars. You could send them to the University of Minnesota cheaper than you can send them



ten through twelfth grade. Nothing is more important than one's health. So we have to educate our people how to be healthy and how to use the health care system. We've got to train our parents how to talk to their children. We make sure we get a licensed electrician to put in the lights. We make sure we get a licensed plumber to unplug our commodes, but we have no investment in teaching parents how to be good parents, so we've got to invest in our parents. We've got to

to prison, so we've got to invest in our children.

What is your role? What must you do when you leave here and go out and get involved in your communities? Sir Richard Doyle said that if we want to save the human race, there are three things we've got to do: One, we've got to control our **population**. You know that we aren't doing that. We've got to control **poverty**. I told you that our children are getting poorer. By 2040, it's projected that 40 percent of all the children born in America will be poor. And we've got to control **pollution**, and we aren't doing that either.

So we've got to reach out. We've got to focus on **prevention**. We've got to prevent the problems that are eating away at our most valuable resource. We've got to develop programs and policies that focus on prevention. We've got to reach out and be responsible. You've got to be responsible for educating yourselves, educating your patients, educating your churches about the value and importance of prevention. You've got to be the voice and the vision of the poor and the powerless and you've got to be able to communicate that vision so that it will happen all over our country.

You've got to empower your patients with the ability to take care of themselves. I've often said that you can't educate people that are not healthy, but the reverse is also true. You can't keep them healthy if they are uneducated. You've got to start networking and coalition-building with other organizations. We've all got to be involved. We've got to have a marriage, as Dr. Sam Thayer said, between the universities and public health, a marriage between the schools and the health care system. And you'll have to be committed.

We've been concerned, but we've not been committed—the tools of commitment many of you know through your medical school experience. You've got to give of your time, your talent, and yes, we've got to biopsy our pocketbooks, our treasures, if we want to save our children. We've got to be innovative and get involved.

You've got to use every opportunity you get to make a difference. I remember a man came up to me in the grocery store line and said, "Oh, you're Dr. Elders, aren't you?" I said, "Yes. You support me don't you? You're going to help me

aren't you?" And I was so aggressive he just said, "Yes, sir, Yes, ma'am." I'm sure what he wanted to do was get away from me, but what I'm saying is that every time you get an opportunity, you've got to use it. Opportunities are like hairs on a bald-headed man, they only go around once, so you've got to grab them when they are in front of you.

And last but not least, we ask, "When are you going to do it?" You've got to do it **now**. Our country can't wait while we debate. You've got to stand up and grab the opportunities and begin to make a difference.



I'd like to close with an old Greek saying that's meant a lot to me. It says that a society grows great when old men plant trees under whose shade they know they'll never sit. Well, I hope you go out and begin planting trees for our bright young people to sit under.

Over the past five-and-a-half years, I want you to know that I've felt like I've been out there dancing with a bear, but my brother told me, "Sister, when you're dancing with a bear, you can't get tired and sit down. You have to wait 'til the bear gets tired and then you sit down." So I hope today, with all you beautiful graduates, that I've found some new partners to help me dance with the bear, because we've got to save our children. The entire future of our country, as we know it, is at stake.

Thank you very much. ■

Medical School Transition

*Dean David Brown's contributions
to the University of Minnesota
Medical School will have an impact far
into the future.* by Jean Murray



Dr. David M. Brown

After nine years of service as dean of the University of Minnesota Medical School, Dr. David M. Brown resigned on June 30. He will continue his dual appointment as professor in the Departments of

Pediatrics and Laboratory Medicine/Pathology.

Brown has served the University of Minnesota Medical School for more than 30 years. He played a very active role in the Minnesota Campaign (1986-88), helping the Medical School raise \$85 million out of the all-University campaign total of \$365 million.

During Brown's tenure, the number of endowed chairs and professorships in the Medical School reached more than 40, bringing many renowned researchers to the University to advance medical research and education. He was also instrumental in the success of the \$30 million Fund for the University of Minnesota Cancer Center, a campaign effort of the Minnesota Medical Foundation.

As part of the Minnesota Campaign and the 100th anniversary of the Medical School in 1988, Dean Brown established a number of priorities for the Medical School. As a result of his leadership, today many of the goals have become realities. The priorities include:

The Human Genetics Institute, which probes and defines the molecular basis for genetic disorders by means of coordinating programs in clinical, behavioral, and population genetics;

The Biomedical Ethics Center, where major areas of study include ethical considerations in health care of the aged, cost control of health care delivery, and ethical decision making;

Research in the neurosciences, a cross-disciplinary

effort to study and apply new knowledge in the basic biological sciences to the diagnosis and treatment of diseases of the nervous system;

Biomedical engineering, where Medical School and Institute of Technology faculty members conduct basic and applied research and clinical testing of such devices as



Dr. Shelley Chou

pacemakers, nerve stimulators, and hearing and visual aids;

Cancer, where understanding of the basic biology for the prevention, diagnosis, and treatment of cancer is a major goal, and where research will be centralized in the new University of Minnesota Cancer Center;

Nutrition, with a goal of improving education in nutrition and the food sciences through a joint effort between the Medical School and the Colleges of Agriculture and Home Economics;

The Heart and Lung Institute, where diseases of the circulatory system and heart, such as emphysema, hypertension, and congestive heart failure are examined in the search for advances in diagnostic procedures, treatment, and surgical intervention;

Fundamental knowledge in the basic sciences, with a focus on continual infusion of new talent to maintain the critical number of innovative basic researchers and educators who are vital to clinical research; and

Training medical doctors, through a medical school that prepares and graduates approximately 200 new physicians annually and offers graduate training annually to approximately 1,000 doctors, biomedical investigators, fu-

ture teachers, and related health professionals.

Dr. David Brown has been an active participant on the Minnesota Medical Foundation board of trustees throughout his tenure as dean, and has worked as a partner with the Foundation in many capacities, including fund raiser, committee member, and consultant.

Looking to a strong future

Named as interim dean of the Medical School and deputy vice president for medical affairs is Dr. Shelley Chou, emeritus professor and former chief of neurosurgery. Chou has a long association with the University, and has been an innovator and leader in many areas.

Chou was born in China and immigrated to the United States in 1948. He attended medical school in Shanghai and Salt Lake City, and spent his residency at the University of Minnesota, where he also obtained a Ph.D.

Chou began his association with neurosurgery at Minnesota in 1950, just 13 years after neurosurgery became a division of surgery. He was on staff when it became a department in 1968, and worked with the only two men to head neurosurgery other than himself, Drs. William Peyton and Lyle French. He was named permanent chair of the department in 1974.

During his more than 30 years of association with neurosurgery at the University, Chou saw dramatic technological advances in equipment and methodology, and has seen great improvement in diagnosis.

Fluorescein dye was used in locating diseased brain tissue in the early '50s. Chou introduced radioisotope scanning for localization of brain tumors. That gave way to the gamma camera and then to today's computerized axial tomography (CAT), magnetic resonance imaging (MRI), and positron emission tomography (PET).

Chou's primary research interest in neurophysiology is credited with leading researchers to clinical applications for neurogenic bladder dysfunction. His pioneering work with radioisotope scanning formed the basis for the first clinically applicable nuclear brain scans, and he made a significant surgical impact in the area of spinal surgery. He has continued to conduct research as a professor emeritus since his retirement last year.

Nationally, Chou served as president of three major neurological societies, including the Society of Neurological Surgeons, and was an officer in many other organizations. Locally, he was chairman of the University's clinical chiefs and a member of the hospital's board of governors. He is also an active member of the board of trustees of the Minnesota Medical Foundation. ■

Inventors Hall of Fame adds Dr. Lillehei

Dr. C. Walton Lillehei, cardiac surgeon and inventor, was inducted into the Minnesota Inventors Hall of Fame June 12. He pioneered many methods and devices now used in open-heart surgery.

Dr. Lillehei led the team that performed the first successful open-heart surgery and implanted the first artificial heart valve. He worked with Medtronic to develop practical cardiac pacemakers and assisted in the invention of the artificial pivoting disc Lillehei-Kaster heart valve and other prosthetic cardiac valves.

Dr. Lillehei has also trained more than 150 cardiac surgeons in open-heart surgery techniques throughout the world.

A portrait of Dr. Lillehei and a plaque commemorating his achievements will be in the Inventors Hall of Fame room at the Redwood County Historical Society Museum. ■

New intensive diabetes therapy slows disease

Intensive treatment of insulin-dependent diabetes mellitus slows down diabetic eye disease, kidney disease, and nerve disease, according to a recent study released by the National Institutes of Health. The University of Minnesota was a central laboratory for results from the 10-year study comparing two treatment methods for 1,441 patients in the United States and Canada.

Patients receiving intensive treatment had three or four insulin injections a day or an insulin pump to keep glucose levels as close to normal as possible. Patients' blood sugar levels were measured four or more times a day and both groups were on a standard diabetes diet and exercise program.

Results showed that intensive treatment was significantly more effective than standard treatment in slowing progression of diabetes' long-term complications.

Dr. John Bantle, associate professor of medicine and one of 29 principal investigators, said that one drawback of intensive treatment was that patients had a higher rate of hypoglycemia (low blood sugar) than the group receiving conventional treatment. According to Bantle, most diabetics should receive intensive treatment through a team approach with doctors, nurses, dieticians, and mental health practitioners. ■

Cholesterol-lowering drug more effective than diet alone

Results of a national study headed by **Dr. Donald Hunninghake**, professor of pharmacology and head of the Heart Disease Prevention Clinic, show that a cholesterol-lowering drug combined with a low-fat diet is more effective than diet alone. In the *New England Journal of Medicine*, Hunninghake said that the cholesterol-lowering drug Mevacor and the Step-Two diet lowered bad cholesterol 32 percent.

The drug alone lowered bad cholesterol an average of 27 percent and the diet alone lowered cholesterol an average of 5 percent. Some patients on the diet alone had reduced cholesterol 10 to 15 percent.

A low-fat diet is still important, says Hunninghake. Although it may not lower cholesterol dramatically, it still has benefits such as providing more antioxidants like vitamin C and E which may prevent cholesterol deposits in coronary arteries. ■

Diet affects girls' blood pressure

A low-salt or high-potassium diet can reduce a teenage girl's chance of developing high blood pressure, say University researchers. **Dr. Alan Sinaiko**, professor of pediatrics and chief investigator in the study, said that either diet virtually stabilized the expected increase.

Out of 19,452 students, scientists selected 105 boys and 105 girls whose blood pressures were in the top 15 percent of the normal range. One-third of the teenagers were put on a low-salt diet, a third on a normal diet with potassium capsules, and another third on a normal diet with placebo capsules.

Combined, the results of the boys and girls were not significant. When scientists separated the figures for boys and girls it was clear that both low-sodium and high-potassium diets affected the girls' blood pressure. The boys had not stayed on the low-salt diets they had been assigned.

Researchers will continue to follow-up with the boys and girls to find out if dietary changes have a long-term effect. ■

Minnesota surgeons treat Croatian war victims

Dr. **Lawrence Marentette**, assistant professor of otolaryngology, led a group of nine plastic surgeons to Zagreb and Rijeka, Croatia, in May to treat war victims. Two other Minnesotans — **Dr. Edward Szachowicz**, assistant professor of otolaryngology, and **Dr. Peter Hilger**, associate professor of otolaryngology — were part of the group.

The surgeons reconstructed facial injuries too severe for Croatian surgeons to repair and trained ten surgeons in bone grafting, nose and eye surgery, and facial surgery. Most patients were Croatian and were divided nearly equally between soldiers and citizens.

The American Academy of Facial Plastic and Reconstructive surgery sponsored the trip and Lira, a foundation that funds humanitarian efforts in Croatia, paid the visiting surgeons' expenses. ■

DNA fingerprinting updated

DNA fingerprinting, a test for genetic identity, has been criticized as not being accurate enough to be used as criminal evidence in a trial. **Dr. Harry Orr**, University of Minnesota molecular geneticist and professor of lab medicine and pathology, and **Dr. Anthony Faras**, director of the Institute of Human Genetics, are developing new technologies to look at the DNA itself, not just patterns it leaves in a gel.

Currently, DNA patterns recorded on x-ray film are interpreted with the naked eye and compared with DNA fingerprint profiles. Orr and Faras are devising a sequence-based typing that reads the actual composition of a person's DNA. Scientists will be able to identify the sequence of the DNA bases which is unique to each individual. This new technique will be superior to the ambiguity of DNA fingerprinting that is confusing so many legal cases today, says Faras. ■

Women's Health Initiative Correction

The article on the Women's Health Initiative (*Summer 1993*) with Principal Investigator Dr. Richard Grimm omitted an important collaborator. The clinical component is subcontracted to the Berman Center for Clinical Research, which is a part of the Medical Affairs Division of Healthspan, Health Systems, Corporation. The Berman Center has been a long-time collaborator of Dr. Grimm and the University of Minnesota. We regret the oversight. ■

Researchers find clue to rare disease

Scientists believe they've identified a defective gene that may cause a rare neurodegenerative disease, spinocerebellar ataxia type 1 (SCA1). Results from the University of Minnesota research project show that a defective gene on chromosome 6 is responsible for SCA1. Also known as Schut's disease, SCA1 is an inherited disease that affects one in 25,000 people. It is characterized by a loss of coordination and slurred speech.

Often, symptoms don't appear until people are in their late 20s or 30s and death usually follows in 10 to 15 years. SCA1 is the most common type of ataxia inherited from one parent; each child of a parent with SCA1 has a 50-50 chance of inheriting the disease.

Scientists say that a blood test can predict who will get the disease, when it will strike, when symptoms will begin to appear, and how long they will live. This information could help people decide whether or not to have children.

Professor of laboratory medicine and pathology and project co-director **Dr. Harry Orr** believes this discovery may lead to more information about the causes of many other degenerative brain and nervous system disorders. ■

Yearly testing lowers cancer deaths

A yearly Hemocult test screening for blood in the stool could reduce deaths from colorectal cancer by 33 percent, say University of Minnesota researchers. The 13-year study, led by **Dr. Jack Mandel**, professor of environmental and occupational health at the University's School of Public Health, showed that the screening test could detect many colorectal cancers at an early and curable stage, before symptoms were evident.

The study involved 46,550 Minnesotans divided into three groups: those screened annually, those screened every two years, and a control group that was not screened. People with positive results underwent follow-up exams to determine whether they actually had cancer. Only one in three people whose screening tests showed blood in the stool were found to have cancer or precancerous polyps.

Results from the study, published in the May *New England Journal of Medicine*, are the first to show a conclusive measure of the benefit of screening for colorectal cancer, according to Mandel, principal investigator. ■

DEPARTMENTAL UPDATES

Anesthesiology

The department is participating in two multicenter trials of new agents, Desflurane (inhalation anesthetic) and EMLA (topical local anesthetic).

On July 16, **Dr. Calvin Cameron**, associate professor, received the Excellence in Clinical Instruction Award from the VA School of Anesthesia acknowledging excellence in didactic and clinical teaching.

Drs. Richard Cochrane and **Henryk Swica**, both assistant professors, have been appointed to the department staff after completing residency in the department July 31.

Biochemistry

Dr. Dennis Livingston, professor, received a National Science Foundation (NSF) grant for "The Molecular Genetics of the Yeast RAD52 Gene." **Dr. Dave Thomas**, professor, is a co-recipient of a NSF grant for undergraduate internships in high-performance computing in high dynamics. **Dr. Michel Sanders**, associate professor, received an NIH grant for "The Hormonal Regulation of Gene Expression."

Cardiology

Dr. Jay Cohn, head of the Division of Cardiology, received the 1993 Outstanding Contribution in Research and Development Award from Medical Alley, a health care industry association. The award recognizes Cohn's creative contributions to cardiovascular research.

Cell Biology & Neuroanatomy

Dr. H. Joseph Yost was appointed assistant professor. He has a research interest in molecular and cellular biology of early development.

Family Practice & Community Health

Dr. Harold Seim has completed a three-month study of people on a low-fat diet with a supplement of partially hydrolyzed guar gum. Results showed that the soluble fiber appears to be a helpful adjunct to a low-fat diet in lowering serum cholesterol.

Laboratory Medicine & Pathology

Dr. Leo Furcht has been elected secretary-treasurer of the American Society for Investigative Pathology and representative to the finance committee of the Federation of American Societies for Experimental Biology. He is head of the Department of Laboratory Medicine and Pathology, and directs the Biomedical Engineering Center.

Medicine

Dr. John Flack, division director of the General Internal Medicine Section and assistant professor of medicine, was awarded the 1993 G.D. Searle Distinguished Research Award from the International Society on Hypertension in Blacks (ISHIB). He was also honored as a Distinguished Alumni at the National Association for Equal Opportunity in Higher Education's (NAFEO) 18th National Conference on Blacks in Higher Education, March 31-April 4. Honorees are nominated by their alumni institutions for making significant contributions to society.

Neurosurgery

Dr. Mitesh V. Shah received the 1993 Zhao Zi-Zhen Award for outstanding neurosurgery resident. **Drs. Walter C. Low** and **Stephen J. Haines** were promoted from associate professor to professor. **Dr. Setti S. Rengachary** joined the faculty as professor and **Dr. Paul J. Camarata** will be assistant professor. **Dr. Roberto C. Heros** was appointed treasurer of the American Academy of Neurological Surgery and **Dr. Edward L. Seljeskog** was appointed president elect of the American Association of Neurological Surgeons.

Obstetrics & Gynecology

Drs. June LaValleur and **Casey Ruhr** received an award for their poster, based on the 1992 Mature Women's Health Survey results, that they presented in June at the 7th Annual Congress on Menopause in Stockholm, Sweden. They received a certificate and an anatomy book which they are donating to the Litzenberg-Lund Library.

Dr. Hardin Olson joined the Division of General Gynecology full-time staff in July and **Dr. William Saul** joined the division on August 2. **Dr. Jonathan Carter** became associate professor in gynecologic oncology July 1. **M. Dwight Chen** and **Peter Robert Johnson** began three-year fellowships with the division of Gynecologic Oncology in July.

Pediatrics

Dr. Christopher Wylie of Cambridge, England, will fill the new Martin Lenz Harrison Chair in Pediatric Development Biology. He is expected to join the department in early January.

Awards to honor outstanding endeavors in pediatrics were presented at the second annual Recognition Banquet on June 18. Awards presented include Susan Vincent Outstanding Resident Teaching Awards to **Drs. John M. Dunn** and **Richard Scott Velders**; Outstanding

Faculty Educator Awards for Variety Club Children's Hospital faculty to **Drs. Youngki Kim, Clark M. Smith II, and William Woods**; the first Homer and Maurine Venters Clinical Teaching Award, established this year to honor an outstanding individual in pediatric education, to **Dr. Henry Straub**; Mark Snelling Fellow Teaching Awards to **Drs. Steven D. Baisch and Judith Lynn Zier**; and Fellow Research Awards to **Dr. Joanne Hilden** (1st place), **Beth Vogt** (2nd place), and **Anne Bendel** (3rd place).

Dr. Ed Kaplan was given the Award of Merit from the American Heart Association. The Jundt Research Award was presented to **Dr. John Wagner**. The 1993 Gold-Headed Cane was presented to **Dr. Robert Hodapp** of Willmar, in recognition of his dedication to the health of the children of Minnesota.

Pharmacology

Dr. Ben Zimmerman's Merck Postdoctoral Fellowship Award for two fellows was renewed as of July 1993. **Dr. Robert O'Dea** conducted the Continuing Medical Education (CME) presentation on "Drugs and Breast Milk" in June as part of the Advances in Pediatrics CME at the Radisson Hotel.

Dr. Paul Sammak has received grant support for several research projects including an American Heart Association Grant-In Aid in support of research on the regulation of cell locomotion of wound induced calcium waves and a Graduate School Grant-In-Aid for research on control of cell mobility by intracellular Ca²⁺.

Dr. Nancy M. Lee received a MERIT (Method to Extend Research in Time) award for her research "Characterization and Regulation of Beta-Endorphin Receptor."

Physical Medicine & Rehabilitation

Dr. John Allison, associate professor and director, received the Horace T. Morse-Alumni Award for outstanding contributions to undergraduate education.

Radiology

Dr. Seymour Levitt, professor and head of therapeutic radiology/radiation oncology, has been appointed to the Swedish Council on Technology Assessment in Health Care and has been selected as an honorary member of the Deutsche Röntgenesellschaft in Germany.

Surgery

Dr. John A. Weigelt, vice chairman of the department and chief of surgery at St. Paul-Ramsey Medical Center,

received the Wangenstein Award for Excellence in Teaching. **Dr. John P. Leone** was voted Resident Teacher of the Year by department residents. **Dr. Randall S. Burd**, surgical infectious disease fellow, and **Dr. Steven M. Santilli**, who just finished his chief resident year, share the Gavisar Award for Outstanding Achievement in Surgical Research. **Dr. Eric D. Irwin**, who began his chief resident year in July, was granted the Earl G. Young fellowship. **Dr. Jaime L. Mayoral** was named Outstanding Laparoendoscopic Resident Surgeon by the Society of Laparoendoscopic Surgeons.

Dr. David C. Wahoff, a fourth-year resident, was awarded the 48th American College of Surgeons Resident Scholarship. **Dr. Morley Cohen**, a 1954 graduate of the University of Minnesota Medical School, was honored at the Minnesota Surgical Residents Society on June 15. He is now associate professor of surgery at the University of Manitoba in Winnipeg.

Dr. Frank B. Cerra, professor of surgery, was awarded the American College of Critical Care Medicine Distinguished Investigator Award. **Dr. Scott Nyberg** was presented with the William J. Kolff Young Investigator Award by the American Society for Artificial Internal Organs.

Dr. Stanley M. Goldberg received the Outstanding Mentor Award from the American Society of Colon and Rectal Surgeons Research Foundation. **Dr. Steven D. Wexner**, an alumnus of the University Colon and Rectal Surgery Training Program, was given an Outstanding Young Researchers award. **Dr. Douglas E. R. Johnson**, research fellow, received the Thomas G. Hardy Memorial Research Scholarship Award. **Dr. David A. Rothenberger** was elected to the Executive Council of the American Society of Colon and Rectal Surgeons.

School of Public Health

Dr. Stephen Joseph, dean of the School of Public Health, has received the 1993 Minnesota Book Award for Nonfiction for his book *Dragon Within the Gates*. ■

MMF approves \$153,353 in grants

At its spring meeting, the Minnesota Medical Foundation board of trustees approved \$153,353 in research and special grants. The amount includes \$78,600 in faculty research grants, \$5,400 in student research grants, and \$69,353 in special grants to faculty for equipment.

FACULTY RESEARCH GRANTS include: **Joan Bechtold, Ph.D.**, Orthopaedic Surgery, \$5,000, Mechanical pressures on the human patella; **P. Patrick Cleary, Ph.D.**, Microbiology, \$5,000, Role of bacteriophage in invasion of human epithelial cells by group A streptococci; **Mary Dempsey, Ph.D.**, Biochemistry, \$6,500, Molecular biology of a lipid transport protein; **Kathryn E. Dusenbery, M.D.**, Therapeutic Radiology, \$5,000, Reduction of pneumonitis from total body irradiation; **Arthur H.L. From, M.D.**, Medicine, \$6,000, Bioenergetic and functional responses of diabetic myocardium; **David Hunter, M.D.**, Radiology, \$5,000, Comparison of expandable mesh stents in normal canine ureters; **Benjamin S. Leung, Ph.D.**, Obstetrics/Gynecology, \$5,000, Preparation of Monoclonal Antibodies of TCF- α Induced Proteins in Ovarian Cancer; **Cary Mariash, M.D.**, Endocrinology, \$5,600, characterization of a glucose dependent response element in hepatic gene; **Kenneth McDonald, M.D.**, Medicine, \$3,500, Structural and functional changes in the right ventricle following left ventricular damage; **Ronald McGlennen, M.D.**, Laboratory Medicine & Pathology, \$7,000, The effect of ribavirin in the treatment of anogenital papillomatosis; **Peter Plagemann, Ph.D.**, Microbiology, \$10,000, Search for human virus belonging to a new group of positive-stranded RNA viruses; **Samuel Schwartz, M.D.**, Medicine, \$3,000, A new, simple, sensitive, and specific screening test for lead toxicity in humans; **Daniel Weisdorf, M.D.**, Medicine, \$4,000, Adhesion molecule expression in chronic graft-versus-host disease; and **George L. Wilcox, Ph.D.**, Pharmacology, \$8,000, A new expression system for cloned gi-coupled receptors.

FACULTY SPECIAL GRANTS include: **Robert Elde, Ph.D.**, Cell Biology & Neuroanatomy, \$16,000, Personal peptide synthesizer: request for equipment for the rapid synthesis of peptide sequences from neurotransmitter receptors and ion channels; **William Gleason, Ph.D.**, Laboratory Medicine & Pathology, \$15,000, Request for matching funds for the purchase of an x-ray diffractometer; **Alan Hirsch, M.D.**, Medicine, \$10,287, Physiologic role of the cardiac renin angiotensin system;

Karen Hsiao, M.D., Ph.D., Neurology, \$10,991, Aging and neurodegeneration in prion diseases; **Paul Sammak, Ph.D.**, Pharmacology, \$10,000, Dynamic measurement of intracellular cAMP during wound healing; and **Brian Van Ness, Ph.D.**, Biochemistry, \$9,700, Luminescent reporter genes to study transcriptional regulation.

STUDENT RESEARCH GRANTS include: **Laura Goetz**, \$1,800, Effect of ganciclovir on cytomegalovirus-induced immunosuppression: studies of lung lymphocytes in a mouse model of CMV-induced reactivation of *T. gondii* pneumonia; **Andrew Kopstein**, \$1,800, Neural transplantation in conditions of global cerebral ischemia; and **Paula Skarda**, \$1,800, Will the bile acid, Ursodeoxycholic acid, inhibit the process of hepatic fibrosis? ■

MMF announces awards and scholarships

The Minnesota Medical Foundation sponsors a number of awards throughout the year to honor the faculty and students of the University of Minnesota Medical Schools. MMF recently presented the following awards and scholarships.

American Red Cross Transfusion Sciences Research Award

Jane A. Ullmann
Recognizes exceptional research in transfusion medicine.

Wallace D. Armstrong Memorial Award

Jeffrey R. Weis
Memorializes Dr. Armstrong, former chair of the Department of Biochemistry, by recognizing outstanding achievement in first-year biochemistry.

Centennial Scholarships

Lazaro A. Diaz
Elizabeth J. Gravley
Bryan T. Petersen

Timothy M. Ryan
Created in commemoration of the Medical School's 100th anniversary.

Thomas P. Cook Scholarship

Kim M. Koffler
Honors Mr. Thomas Cook, long-time executive director of the Hennepin County Medical Association Foundation, and recognizes academic excellence, leadership, and financial need.

Daniel A. Coyle Memorial Awards

Samuel J. Arnold
Angela Keating
Honor outstanding medical students in obstetrics and gynecology.

Continued on page 22

MMF Grant Recipient: Dr. Karen Hsiao

How and why do brain cells die in neurodegenerative disease? Why are neurodegenerative diseases, like Alzheimer's and Parkinson's, diseases of the elderly? These are two of the questions **Karen Hsiao, M.D., Ph.D.**, hopes to answer through her research on brain cells and neurodegenerative diseases.

Hsiao, assistant professor in the Department of Neurology, was one of 20 faculty members to receive a grant at the Minnesota Medical Foundation's spring meeting of the board of trustees. The MMF board approved a total of \$153,353 in faculty research grants, student research grants, and special grants (see adjacent article). Hsiao received \$10,991 in support of her project entitled "Aging and Neurodegeneration in Prion Disease."

With the grant, Hsiao will purchase a forma dual chamber cell culture incubator and two AIMS mouse tattoo machines. The mouse tattoo machine is used to keep track of the hundreds of mice used in the research, ensuring identification of each mouse. The mice are observed over a long period of time because neurologic signs may not develop until the mice are old.

Tattooing is said to be more permanent, easier, and have faster readability. It is a more humane procedure than ear tags since the animals experience little or no trauma from the tattooing. Also, technicians were bitten less often when reading tattoos than when reading ear tags.

Hsiao plans to study why brain cells die and how the process of aging influences cell death in patients with neurodegenerative diseases. "Why do these diseases occur late rather than early in life?" Hsiao asks. "We will explore whether there is a gradual accumulation of deleterious effects in the brain or if there is a gradual deterioration of the brain's ability to tolerate negative effects of a mutant gene, the Prion Protein (PrP), expressed in the brain.

"To do this we need to be able to control when the PrP is expressed," says Hsiao, "to essentially turn it on and off." Her approach is to use an insect hormone to trigger and control production of the mutant gene, the PrP, that causes neurodegeneration in transgenic mice.



Dr. Karen Hsiao

The mice used are models of Gerstmann-Straussler-Scheinker disease (GSS), a neurodegenerative disease that is familial and causes ataxia and dementia. GSS is the only neurodegenerative disease modelled in mice that expresses a known mutation associated with the disease. These mice are born with a mutation in the gene linked to GSS and they develop symptoms as they age.

The forma dual chamber cell culture incubator to be purchased with grant monies will be used to study brain cells and PrP. "The cell culture incubator provides the right atmospheric conditions to grow cells in plates," Hsiao explains. "We hope to grow brain cells that express a mutant gene, the Prion Protein gene, and study how brain cells respond to PrP. Do the neurons die? Do other cells proliferate?" More information about how brain cells react to PrP may lead to a better understanding of how to treat many neurodegenerative diseases.

Before coming to the University of Minnesota in 1993, Hsiao was assistant professor of neurology in residence at the University of California, School of Medicine, at San Francisco, California. She received her Ph.D. from the Massachusetts Institute of Technology and her M.D. from Harvard Medical School. ■

Dr. Luther Forest Davis Memorial Scholarship

Bradley K. Schnee
Recognizes outstanding clinical skills by a senior medical student specializing in family practice.

Roger Dell Memorial Scholarships

Steven L. Manning
Janine E. Rose
Funded by the Roger L. and Agnes C. Dell Charitable trust.

Allan Hemingway Endowed Scholarship

Weifeng Yu
Established in memory of Dr. Allan Hemingway, long-time member of the Department of Physiology, recognizing outstanding merit, potential, and financial need.

Richard C. Horns Memorial Award

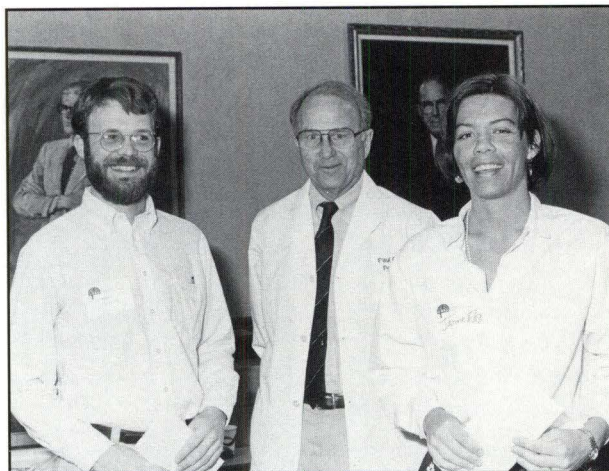
Joseph W. Leach
Named in honor of the late Dr. Horns, professor of ophthalmology, this award recognizes a senior medical student who has shown outstanding clinical promise.

Lifson/Johnson Memorial Award

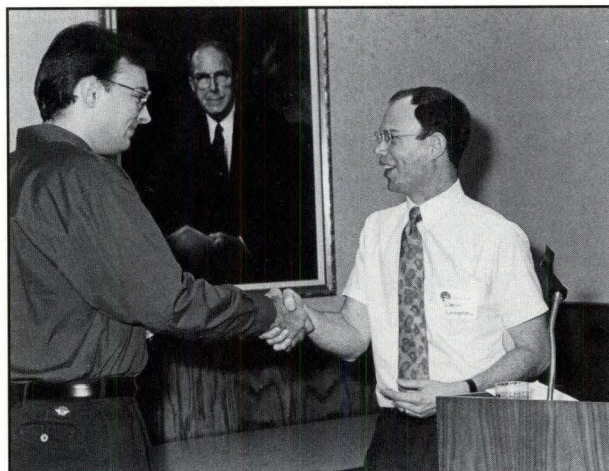
Scott Hayden Carlson
Established by the families, colleagues, and friends of Drs. Nathan Lifson and John A. Johnson, the award recognizes outstanding teaching by a graduate student in the Department of Physiology.

J. Thomas Livermore Award

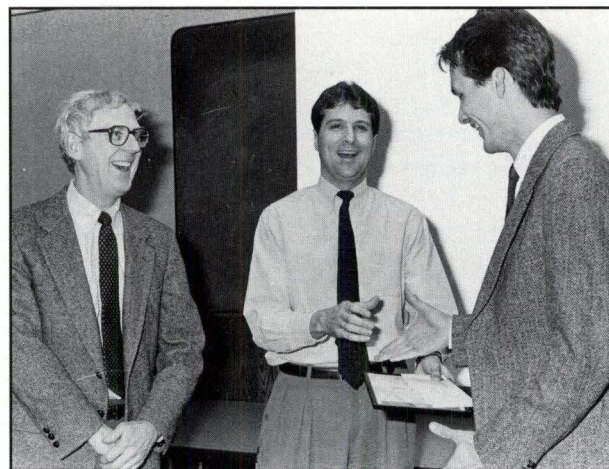
James E. Coad
Established by Mr. and Mrs.



Dr. Paul Quie, center, presents the Roger Dell Memorial Scholarships to Steven Manning and Janine Rose.



Jeff Weis, left, receives the Wallace D. Armstrong Award from Dennis Livingston, representing the Biochemistry Department.



Jim Coad, right, receives the H. Thomas Livermore Award from Drs. Richard Brunning and Craig Litz of the Department of Laboratory Medicine and Pathology.

Charles Livermore in memory of their son to recognize outstanding original research in hematology.

Medical Student Achievement Awards

Rachel A. Bye
Peter K. Lee
Ann T. McIntosh
Michael G. Neste
Brian N. Pauley
Minnesota Medical Foundation-funded awards which recognize graduating seniors who have excelled in student leadership, community service, academics, and research.

Metropolitan-Mount Sinai Outstanding Medical Student Awards

Lori A. Lynner
George A. Morris
Established by the medical staff of the former Metropolitan-Mount Sinai Hospital as a remembrance and recognition of the contributions of that organization and its predecessors, the second- and fourth-year awards recognize students who show promise of becoming superior physicians or clinicians.

Mary Bizar Peterson Memorial Award

Thanh K. Dang
Recognizes a meritorious student embarking on a first-year residency in neurology at the University.

Undergraduate Research Awards

Holly A. Batal
Annika M. Crosby
Minnesota Medical Founda-

tion-funded awards which recognize outstanding original research.

Cecil J. Watson Award

Christine H. Wendt
Established in honor of Dr. Watson, Regents Professor of Medicine, the award recognizes outstanding research by a resident in clinical medicine.

George E. Williams Scholarship

Pearl L. Yu
Established in memory of Dr.

Williams, former professor of psychiatry and assistant dean of student affairs, the award recognizes medical students who have demonstrated humane qualities and the potential to become good physicians.

Zagaria Research Award

Ronnell A. Hansen
Established to recognize original research in cardiology and oncology by an undergraduate. ■

Herz Faculty Teaching Award announced

Dr. Aloysius Quebbemann, associate professor of pharmacology, received the Herz Faculty Teaching Development Award for 1993. The award was given in support of his project to develop an improved method of teaching pharmacology to second-year medical students.

The Herz Faculty Teaching Award, established with an endowment fund donated by the late Malvin E. Herz and his wife, Josephine, is given to encourage University of Minnesota Medical School faculty to pursue projects which will improve their teaching methods and skills.

The Honors and Awards Committee of the Minnesota Medical Foundation selected the recipient from proposals the faculty submitted. Preference is given to faculty members who have demonstrated interest in teaching, leadership, creativity, and innovation in education. ■



Rowers from the Midwest and Canada competed on Lake Phalen May 30 to raise money for leukemia research.
Joe Rossi/Pioneer Press

Rowers Pull for Leukemia

Despite pouring rain, over 300 rowers participated in the 34th annual Memorial Day Rowing Regatta May 30. Rowers from the Midwest and Canada competed on Lake Phalen in St. Paul to raise money for leukemia research.

The event, hosted by the Minnesota Boat Club, was turned into a fund raiser after two club members were diagnosed with leukemia. One of the members, Dr. James Woog, died of leukemia in 1992. In honor of Dr. Woog, the Minnesota Medical Foundation renamed the regatta fund the James N. Woog Pull Together for Leukemia Fund.

All proceeds from the event go to leukemia research at the University with no expenses deducted. ■

UMD awards presented

Awards of excellence are presented to faculty and students of the University of Minnesota Duluth (UMD) School of Medicine at the end of each school year.

Dr. Stephen W. Downing was the winner of the Year One Basic Science Teacher of the Year Award and **Dr. Lillian A. Repesh** received honorable mention. **Dr. Arthur C. Aufderheide** received the Year Two Basic Science Teacher of the Year Award and **Dr. Patrick C.J. Ward** received honorable mention. Clinical Science Teacher of the Year was awarded to **Dr. Paul A. Severson** with **Dr. Linda VanEtta** receiving honorable mention.

Three student awards were presented. **Jay Broton** received the Laird W. and Mary C. Lampson Award, given to the outstanding male sophomore medical student in memory of Laird and Mary Lampson. The winner of the Herbert G. Lampson Award, given to the outstanding female sophomore medical student, was **Alexandra Muschenheim**. The award is given in memory of Dr. Lampson, a former St. Louis County health officer who was one of the first physicians to effectively study the incidence and epidemiology of tuberculosis in Minnesota. **Debra Nyquist** received the Memorial Award, presented to the medical student who best exemplifies care and concern for others. ■

Wagon train crusades for diabetes

Howard and Mary Lou Emmert led a wagon train across the Upper Midwest this spring, raising more than \$17,000 for diabetes research. The Emmerts began organizing the Straughen Memorial Diabetes Ride after their daughter died of diabetes in October 1992. The wagon train made its way from Ironton, Minnesota, to Kalkaska, Michigan, travelling 20 miles a day for six weeks.

Riders and wagoners gathered pledges for each mile they rode or drove and solicited donations at towns along the way. All of the pledge money will be given to the Minnesota Medical Foundation for a diabetes research

project headed by Dr. R. Paul Robertson. Sponsors, such as the Merrifield, Minnesota, Lions Club, the Bay Lake Lions, and the Brainerd VFW, covered expenses for the fund raiser.

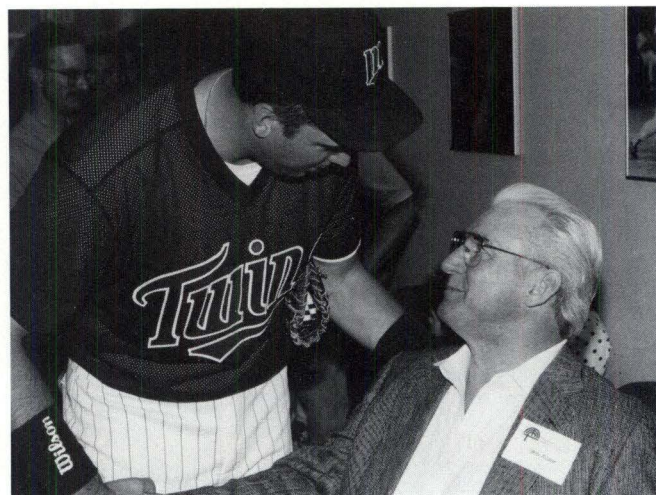
To help raise money for diabetes research, framed prints of a painting commemorating the event are being sold. Mary Pettis, a contemporary artist whose work is part of collections around the world, painted the "Spirit of Hope" in honor of the event. A limited number of signed and numbered prints are available for \$185. From each purchase, \$100 is tax deductible and will be donated specifically for diabetes research. To

order a print, call 1-800-435-4101 or write to Northern Promotions, Inc., Route 1, Box 224-B, Deerwood, Minnesota, 56444.

The Emmerts and the Straughen Memorial Diabetes Ride organization plan to continue raising money for diabetes research through other special events and with another wagon train next year. ■



Artist Mary Pettis displays her "Spirit of Hope" painting. Proceeds from sale of the framed prints will go to diabetes research at the University of Minnesota.



Minnesota Twins first baseman Kent Hrbek greeted Bob Allison at Ataxia Day at the Metrodome.

Twins fans support ataxia

Minnesota Twins baseball fans rallied in support of ataxia research on May 16 at the Metrodome, raising \$14,000 for the Bob Allison Ataxia Research Center at the University of Minnesota. Supporters honored former Twins star, Bob Allison, with a pre-game reception. Fans could purchase special ticket packages that included the pre-game reception with current and former Twins players, reserved seats or executive suites, and Twins hats and t-shirts.

Bob Allison is currently being treated for ataxia, a group of diseases characterized by slurred speech, unsteady gait, poor hand control, and other uncoordinated movements. So far there is no cure, but through research scientists are searching for new ways to deal with the disorder.

The event was sponsored by the Minnesota Twins, the Minnesota Medical Foundation, and the University Department of Neurology, and was supported by the Minnesota Jaycees. ■



UNDER OUR UMBRELLA

Bob Allison Ataxia Research Center

The first annual Bob Allison Celebrity Golf Tournament is scheduled for September 4 and 5 at Breezy Point Resort in Northern Minnesota.



**Bob Allison
Ataxia
Research Center**

The Jim Kaat Roast and Toast will be held September 30 at the Decathlon Club in Bloomington. Proceeds from both events will benefit ataxia research.

A promotion with Cub Foods and Coca-Cola in May generated \$30,000 to benefit ataxia research. For each case of Coke sold, a portion of the sale went to the Ataxia Research Center.

For more information about ataxia, upcoming events, or to inquire about supporting ataxia research, contact the Minnesota Medical Foundation, (612) 625-1440 or 1-800-922-1MMF.

Parkinson's disease research, contact Robert Burgett, (612) 625-0972 or 1-800-922-1MMF, or write to SUPER c/o Minnesota Medical Foundation, Box 193 UMHC, Minneapolis, MN 55455.

University Children's Foundation

West St. Paul/Mendota Heights Rotary Club will host the Moonstruck "golf in the moonlight" event on September 10. All proceeds will benefit the Pediatric Cystic Fibrosis and Lung Disease Program.



The Children's Kidney Disease Society will host its fall fund raiser October 16 at the Holiday Inn West in St. Louis Park. The event will include a luncheon and entertainment by comedian Merylyn Belgum.

The fourth annual Catch a Rising Star event was held August 29, raising over \$50,000 to support UCF scholar Dr. Harumi Jyonouchi. Nordstrom's Back-to-School Fashion Show to benefit the Department of Pediatrics/ University Children's Foundation was held August 15.

The University Children's Foundation Scholar Award was given to Dr. Harumi Jyonouchi in support of her research on the role of nucleotide supplementation in enhancing immune competence in at risk infants.

For more information, call Cynthia Livingston, (612) 626-1904 or 1-800-922-1MMF.

Children's Cancer Research Fund

The Dawn of a Dream Benefit is scheduled for January 22, 1994. The event includes the classic love story, Miss Saigon, at the Orpheum Theatre, a post-theater gala for those purchasing priority seating, and complimentary hotel accommodations for \$500 ticket holders.



For more information, call the Children's Cancer Research Fund, (612) 929-5535 or 1-800-922-1MMF.

University of Minnesota Cancer Center

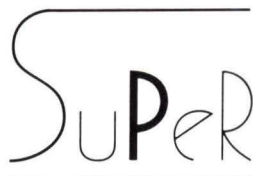
On June 21, President Nils and Mrs. Pat Hasselmo and Dean David Brown hosted a reception and dinner at Eastcliff for major benefactors of the Fund for the University of Minnesota Cancer Center. Thirty-five donors, corporate and foundation representatives, and University faculty and staff attended the event.



Speakers included President Nils Hasselmo, Dr. David M. Brown, former dean of the University of Minnesota Medical Schools, Dr. John Kersey, acting director of the Cancer Center, and Winston R. Wallin, general chairman of The Fund for the University of Minnesota Cancer Center. In honor of the Masons' \$5 million pledge,

SUPER

More than 100 people attended an event hosted by SUPER at the Lions Research Building open house on June 30. Visitors met with staff researchers and faculty, learning more about University research efforts.

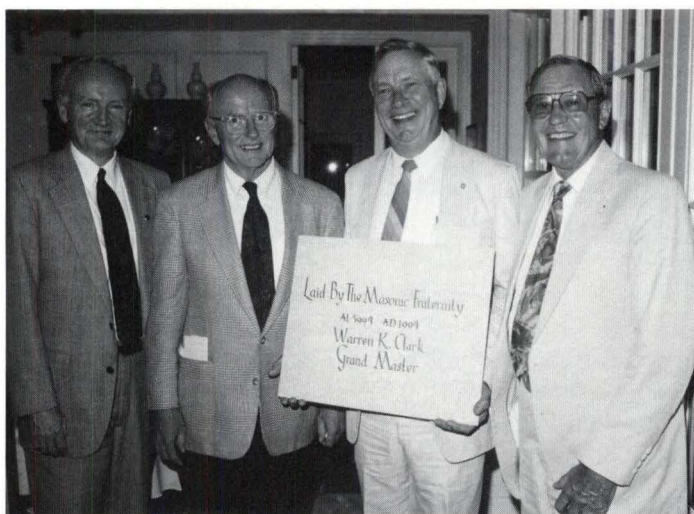


A symposium addressing the "new frontiers" of Parkinson's research is tentatively scheduled for fall 1993. Tours of the Parkinson's research laboratories can be arranged by contacting the SUPER office.

For more information about SUPER or to become involved in volunteer or fund-raising efforts for

President Hasselmo presented Don Severson and Ralph Hultquist, representatives of the Masonic Cancer Center Fund, Inc., with a replica of the cornerstone of the Masonic Cancer Research Building.

Five benefactors to the Cancer Center who have generously pledged to fund endowed chairs in cancer research were also honored. These included Winston and Maxine Wallin, for their Chair in Cancer Prevention and



From left, University President Nils Hasselmo, Acting Cancer Center Director Dr. John Kersey, and Don Severson and Ralph Hultquist of the Masons of Minnesota, with a replica of the cornerstone for the new Masonic Cancer Research Building.

Genetics; Mark Gassedelen, representing the Margaret Harvey Schering Trust Chair for Cancer Research; Emily Anne Staples, representing leadership seeking to endow a Chair in Women's Cancer Research; Dr. Mark Nesbit, representing the Children's Cancer Research Fund's Senior Endowed Chair in Children's Cancer; and Marilyn Tickle Bryant, representing, on behalf of her family, the Tickle Family Chair in Breast Cancer Research.

For more information, contact David Madson, director of development, University of Minnesota Cancer Center, (612) 625-4441 or 1-800-922-1MMF.

Variety Club Association

Variety Club Association will hold its annual Toyland Auction in late November to raise funds for children at the Variety Club Children's Hospital and Clinic. The event



features a silent auction of donated items, such as theater tickets, weekend get-away packages, and toys, and includes dinner.

More than 200 golfers and 30 corporate sponsors showed their support at the Steve Payne/Snyder Golf Tournament on June 7. The Affair of the Heart black tie gala, held April 25, celebrated Larry Bentson's thirty-year involvement with Variety Club.

Variety Club is looking for volunteers to help patients and families at Variety Club Children's Hospital and Clinic. Opportunities are available for two to four hours per week, days or evenings during the week or on weekends. For more information about volunteering, call Joanne Cameron, (612) 624-7932.

For more information about Variety Club Association events, call (612) 624-6900 or 1-800-922-1MMF.

Vision Foundation

The Vision Foundation has a new executive committee. Jim Bradshaw is replacing Dick Grayson as president, Vaughn Bien is replacing Harry Friedman as vice president, and Betty Walen is replacing George Tani as secretary. Jim Bradshaw has generously aided these efforts by providing the consulting services of Susan Henderson.

The Minnesota Lions Eye Bank capped off a great year of fund raising for the Department of Ophthalmology with state-of-the-art equipment for the labs which were moved from the Phillips-Wangensteen Building to the new Lions Research Building.

In addition to the existing immunology, cataract, neuro-ophthalmology, and pathology labs, an optic nerve rescue lab has been set up, thanks to the generosity of donors who established the Frank E. Burch Ophthalmology Research Chair.

The Lions have given basic equipment to establish a retina lab. The proliferative vitreoretinopathy project in that lab has had some exciting results. In a vitreo model, scientists have been able to decrease retinal fibrous tissue growth to eliminate shrinking of the membrane which causes a new retinal detachment from the "scabbing" of retinal reattachment surgery.

The Lions Research Building Dedication June 30 offered more than 300 donors the opportunity to peer into test tubes and hear about how the propagation of DNA is important for eye research.

For more information on the Vision Foundation, call (612) 625-6169 or 1-800-922-1MMF.



MAS NEWS

President's Report

As we prepare for a new year at the Medical Alumni Society, we look forward to continued growth and improvement of our programs and projects. These programs and projects help us support our Medical Schools and improve the student experience while promoting fellowship among alumni.

You all play an important part in this effort. Your support of scholarship and research efforts through the Minnesota Medical Foundation is vitally important to current students.

Equally important is your willingness to give of yourself by lending your experience and expertise to medical students. The Medical Alumni Society's Mentoring Program provides you with this special opportunity.

Mentoring links first-year medical students with alumni physicians in practice who provide individual direction and are professional role models for the students. The Medical Alumni Society hopes that this program will establish a personal connection to help fill in the gaps of first-year medical school.

Mentors agree to spend time with first-year medical students as schedules allow. While no specific commitment is requested from the mentor, we expect the student and mentor will meet two or three times during the first quarter of medical school — a time when students greatly need one-on-one contact. This program offers a great deal of flexibility and is enjoyable for all involved.

Another upcoming project is the Medical Alumni Directory. The most recent directory, completed in 1988, needs updating and the addition of several classes. You will be receiving a questionnaire this fall. We hope you will take time to fill it out and return it so the information can be as current as possible. The directory is a valuable resource for alumni who would like to contact classmates and colleagues.

We look forward to your participation in MAS activities and events this year. Please feel free to contact the alumni office if you have any questions or concerns.

Sincerely,

Wayne Liebhard

Wayne D. Liebhard, M.D., '83
President
Medical Alumni Society



Faculty, friends, and family gathered to honor cancer survivors at the second annual Celebration of Life.

Women's Health Fund

The second annual Celebration of Life, an event for five- and ten-year cancer survivors, was held May 8. Over 100 people attended the event which consisted of a silent auction, a luncheon, and several speakers, including Dr. Linda Carson, Dr. Leo B. Twiggs, and two moving and humorous patient testimonials from Ann Tradewell and Sharon Meek. TV news anchor Angela Astore was the emcee for the event which raised nearly \$2,000 for women's cancer research.

*Women's
Health
Fund*

The Women's Health Fund Board has been busy planning its first Annual Meeting, tentatively scheduled for September 14, and creating a strategic plan for the 1993-94 fiscal year. The Board welcomes three new members: Carol Cochrane-Cisek, a former patient of Dr. Leon Adcock; Francine Feinberg; and Cheri Rolnick, a graduate of the School of Public Health and currently a research investigator at the Group Health Research Foundation.

For more information, call (612) 626-2612 or 1-800-922-1MMF. ■

REUNIONS 1993



More than 900 alumni and friends celebrated their Medical School class reunions the first weekend in June. Events included the Half Century Club program, the Medical Alumni Golf Tournament, campus and hospital tours, Medical School graduation, the all-class banquet and programs, the Medical Alumni Society Annual Meeting and Diehl Award presentation, and the New Horizons in Medicine continuing medical education seminar.

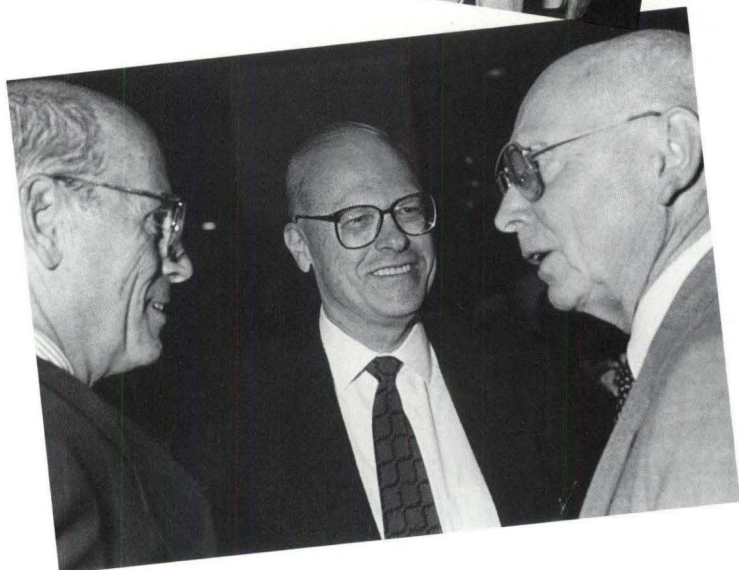
Class Reunion gifts set record high

A tradition at many major medical schools, and a rapidly growing tradition at the University of Minnesota Medical Schools, is to help celebrate a class reunion by making a significant gift in support of the school and its programs. This year reunion class gifts neared the \$100,000 mark with nearly three-quarters of that coming from the Class of 1943 (December and March) in honor of their 50th Anniversary.

While many classes supported the critical need for unrestricted dollars, the Class of 1943 and the Class of 1938 had specific projects they began or were completing. These funds will provide important scholarship and research dollars for students and faculty at the Minneapolis and Duluth Medical Schools.

The Class of 1943 has set the challenge for future classes, with their total commitment in cash and pledges nearing \$75,000. This money will provide scholarships in perpetuity which will serve as an honor to the class and all of the classmates. Each year a few young medical students will be selected to receive these scholarships which will be awarded by members of the class.

The reunion classes that gave such a tribute will serve as leaders in making a stronger Medical School for the future. It was the hope of the many volunteers that helped make the class gift a success that they will inspire future classes to go beyond their capabilities and post a new class gift record! ■



Diehl Award winners chosen

Dr. John I. Coe, M.D., Class of 1945, and Dr. Howard B. Burchell, M.D., Ph.D., received the 1993 Harold S. Diehl Award June 4 as part of the annual alumni reunions. Presented by the Medical Alumni Society, the award is given



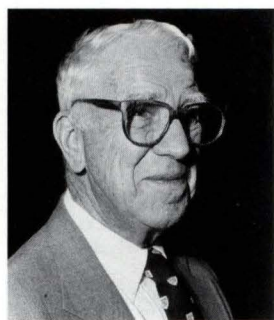
Dr. John I. Coe

in honor of the University of Minnesota Medical School's fifth dean, Dr. Harold Sheely Diehl. It is awarded to individuals who have made outstanding professional contributions to the school, the University, and the community.

The Diehl Award means a great deal to the recipients. "This is certainly one of the most special awards I've ever received," says Dr. Coe.

"There is no greater honor than to receive recognition from a panel of your peers."

One of the most respected medical examiners emeriti in the country, Dr. Coe has served as chief of pathology at the Veterans Hospital and Hennepin County General Hospital and as medical examiner for Hennepin County.



Dr. Howard B. Burchell

He has taught at the University since 1950 and is presently a professor in pathology. Dr. Coe has conducted workshops nationally and internationally, lecturing in 46 of 50 states in the United States. He served on a committee appointed by congress to investigate the deaths of Martin Luther King and President John F. Kennedy.

Dr. Coe's contributions to forensic pathology, particularly to postmortem chemistry, have revolutionized the field.

Dr. Burchell was pleasantly surprised to receive the award. "It is quite an honor," he says. He has been a leader in establishing cardiology programs at several institutions and an inspiring teacher for medical students, residents, and doctors. His teaching career has spanned several decades including his work as a consultant in medicine and cardiology at the Mayo Clinic, his professorship at the University of Minnesota, his position as a senior cardiologic consultant at Northwestern Hospital in Minneapolis, and his visiting professorships at Stanford University and the University of Arizona. ■



New board members elected

New officers and board members were elected at the Medical Alumni Society's Annual Meeting and luncheon held during reunion weekend in June. Members of the 1993-94 MAS board of directors are:

EXECUTIVE COMMITTEE

President *Wayne D. Liebhard, M.D. '83*
Vice President *Dorothy J. Horns, M.D. '76*
Secretary/Treasurer *H. Mead Cavert, M.D. '50*
Past President *Richard Simmons, M.D. '55*
UMAA Representative *John F. O'Leary, M.D. '77*

MEMBERS

Reuben Berman, M.D. '32
Lucinda Conroy, M.D. '83
Joyce Funke, M.D. '50
Stanley Goldberg, M.D. '56
David M. Kendall, M.D. '88
Frank G. Lushine, M.D. '71
Margaret MacRae, M.D. '74
J. Patrick Smith, M.D. '76
Judith R. Smith, M.D. '66
Leonard J. Warren, M.D. '82

Special thanks to Drs. Dale Anderson '59 and Roy Good '52 for their years of dedicated service to the Medical Alumni Society.

Three new members, Drs. Reuben Berman, Stanley Morton Goldberg, and Lucinda J. Conroy, joined the board. Reuben Berman, M.D., '32, is a retired internist and a former president of the MMF board. He is also an accomplished musician with a special talent for playing the bassoon. Three of his six children are also doctors with practices in Minneapolis.

Stanley Morton Goldberg, M.D., F.A.C.S., F.R.A.C.S.(Hon.), '56, has been a clinical professor of surgery at the University of Minnesota Medical School since 1972. He has also shared his surgical expertise around the world as a visiting professor.

Lucinda J. Conroy, M.D., '82, practices internal medicine, specializing in gastroenterology, and has been with St. Paul Gastroenterology since 1989. ■

Alumni & Friends Reception planned in Washington, D.C.

The Minnesota Medical Foundation, the University of Minnesota Hospital and Clinic, and the University of Minnesota Medical Schools will host a reception for alumni and friends in conjunction with the upcoming Association of American Medical Colleges Annual Meeting in Washington, D.C.

The event is scheduled for Sunday, November 7, 1993, from 6 to 8 p.m. at the Washington Hilton Hotel. All alumni and friends of the Medical Schools who live in Washington, D.C. or who will be visiting there at the time are invited to attend.

For more information, contact the Medical Alumni office at (612) 625-8676 or 1-800-922-1MMF. ■

CLASS NOTES

1945

Dr. J.C. Breneman, Galesburg, Michigan, recently wrote a biography on Homer Stryker, an inventor, industrialist, humorist, friend, and orthopaedic surgeon.

1946

Dr. W.G. Kubicek, Minneapolis, Minnesota, was inducted as a Founding Fellow in the American Institute of Medical and Biological Engineering on March 8 at the National Academy of Sciences, Washington, D.C. for his contributions to cardiology starting with the spoon manometer and culminating with the impedance cardiograph.

1956

Dr. Mitchell Rosenholtz, Columbia, Missouri, was recently named Honorary

Medical Alumnus at the University of Missouri-Columbia. He joined the University of Missouri-Columbia as an associate professor of pathology in 1969 and was promoted to full professor in 1980.

A popular professor for many years, Rosenholtz also served as assistant dean for student affairs. He has been commended for his teaching skills by student groups and was chosen to participate in the commencement investiture ceremony five times.

Rosenholtz was senior class president at the University of Minnesota Minnesota Medical School and completed his residency in anatomic pathology at the University of Minnesota Hospitals.

1965

Dr. John Barry, Portland, Oregon, received the Kidney Association of Oregon's 1993 Gift of Life Award in May. Dr. Barry is an internationally known Oregon Health Sciences University transplant surgeon.

1967

Dr. K-Lynn Paul, Sioux Falls, South Dakota, was awarded an Exemplary Psychiatrist Award for 1993 by the National Alliance for the Mentally Ill. Dr. Paul was also granted fellowship status by the American Psychiatric Association. He is currently director of psychiatric residency training at the University of South Dakota School of Medicine.

1979

Dr. Westscot G. Krieger, Appleton, Wisconsin, accepted a position with Mercy Oakwood Medical Center, Oshkosh,

Wisconsin in ambulatory care and sports medicine.

1982

Dr. William A. O'Brien, III, West Los Angeles, California, received this year's Arthur S. Flemming Award in the scientific category. The award recognizes excellence in government service.

1987

Dr. John M. Chandler, Bethesda, Maryland, completed his critical care medicine fellowship at the University of Pittsburgh and has been appointed assistant professor of medicine at the Uniform Services University of Health Sciences. He is director of Critical Care Education at the National Naval Medical Center.

1988

Dr. Anne Schepers Rogotzke, Duluth, Minnesota, started a practice at Duluth Clinic in September 1992. ■

Dr. Diefenbach was an obstetrician and gynecologist with the Hudson Clinic from 1975 until he retired in 1985. Previously he practiced in the Medical Arts Building in Minneapolis and in Richfield and was on staff at the Northwestern Hospital and Deaconess Hospital in Minneapolis. Dr. Diefenbach is survived by his wife, Dr. Jeanne Diefenbach, two daughters, and three grandchildren.

JACK L. GORDON, M.D.,

Class of 1943, Redondo Beach, California, died May 11 at age 76. Dr. Gordon was Chief of Pathology for the Kaiser Foundation hospitals in Los Angeles. He is survived by his wife, Marilyn. Memorials to the Minnesota Medical Foundation are suggested.

PAUL JACKSON KEITH, M.D.,

Class of 1949, of Milaca, Minnesota, died April 21 at age 68. Dr. Keith is survived by his wife, Mary Irene.

GEORGE C. KIMMEL, M.D.,

Class of 1936, died May 15 at age 82. A Northeast Minneapolis resident, formerly of Red Wing, Minnesota, Dr. Kimmel was a founder of the Interstate Clinic in Red Wing. From 1957 to 1976 he practiced pediatrics in Northeast Minneapolis and was a founder of the North Suburban Pediatric Clinic. He was also one of the eighteen original incorporators of Blue Shield of Minnesota. Dr. Kimmel is survived by three sons, three daughters, and their families. Memorials to the Minnesota Medical Foundation are suggested.

WILLIAM A. O'BRIEN, M.D.,

Class of 1946, of Edina, Minnesota, died June 14. Dr. O'Brien was most well known as host of "Your Health," a call-in radio show which ran on WCCO for 29 years. In 1990 he began a weekly medical call-in program and a weekly medical news report on KLLB which he continued until May 1. Dr. O'Brien practiced internal medicine in Minneapolis since 1955 and was a clinical professor of medicine and adjunct professor of public health at the University of Minnesota. He received a First Award for Distinguished Service from the Hennepin County Medical Society in April. He was also a Minnesota Medical Foundation board member and a 1992 Diehl Award winner. Dr. O'Brien is survived by his wife, Rose Mary, two daughters, a son, and three grandchildren. ■

IN MEMORIAM

BURTON IVAN ABRAMSON, M.D.,

Class of 1956, Minneapolis, Minnesota, died in June at age 61. Dr. Abramson is survived by his wife, Carolyn, two sons, three daughters, and a grandson.

EARLE LEE BENNETT, M.D.,

Class of 1969, Minneapolis, Minnesota, died June 30 at age 50. Dr. Bennett is survived by his wife, Elisabeth, and two daughters.

EUGENE J. DIEFENBACH, M.D.,

Class of 1948, Hudson, Wisconsin, died July 15 at age 70.

THANKS FOR ASKING



Gary G. Hargroves



Question: What is a **Wealth Replacement Trust**?

At its heart, it means the **wealth** that individuals plan to give to their children from their estate is given to charity, and then that wealth is **replaced** for the children by using an irrevocable insurance trust, a **wealth replacement trust**.

The concept is significant because for some families, by using the wealth replacement trust, children may receive four times more than originally planned and a substantial charitable gift is made possible.

Let's look at an illustration of how this works.

A couple has \$1,000,000 left in pension funds at their death. The plan is to leave these remaining pension funds to their children. The combined income and estate taxes on the pension funds are, in their case, 75 percent or \$750,000. The children receive \$250,000 in after-tax dollars.

If this couple uses the "wealth replacement trust" concept, they make a charitable organization the beneficiary of their pension fund. This eliminates the taxes and makes a charitable gift of \$1,000,000.

At the same time, the couple purchases \$1,000,000 of life insurance on their joint lives placing this insurance into an irrevocable insurance trust. The couple pays the insurance premium by taking advantage of a tax feature called "Annual Exclusion" where a person can gift \$10,000 per year to another individual without any tax liability to either party. (A couple can give \$10,000 each, per child, per year.)

The result, at the couple's death, is that the children receive \$1,000,000, not \$250,000.

Hence, a **Wealth Replacement Trust**.

I don't have information to mail on the Wealth Replacement Trust but if you have questions, I would be pleased to visit with you about the concept. Please phone me at (612) 625-5463 or 1-800-922-1663 or return the coupon below and I will phone you.

Dear Gary,

_____ I would like to visit about the **Wealth Replacement Trust** concept. Please phone me.

My phone number is: _____ . The best time to phone me is: _____ .

Name: _____

RETURN TO: Gary G. Hargroves, Minnesota Medical Foundation, Box 193 UMHC, Minneapolis, Mn. 55455.

MB-F93

THANKS FOR GIVING

Dr. Robert Dyar

by Jean Murray

When Bob Dyar was a boy he would line up his younger sisters and other neighborhood children on the porch steps and teach them about all sorts of things. They listened, and they learned.

Throughout his 83 years, Bob Dyar embraced life with excitement and joy, and shared his knowledge, his exuberance, and his friendship with many people. "It's funny," his sister Mary says with fondness, "how many people thought they were Bob's best friend."

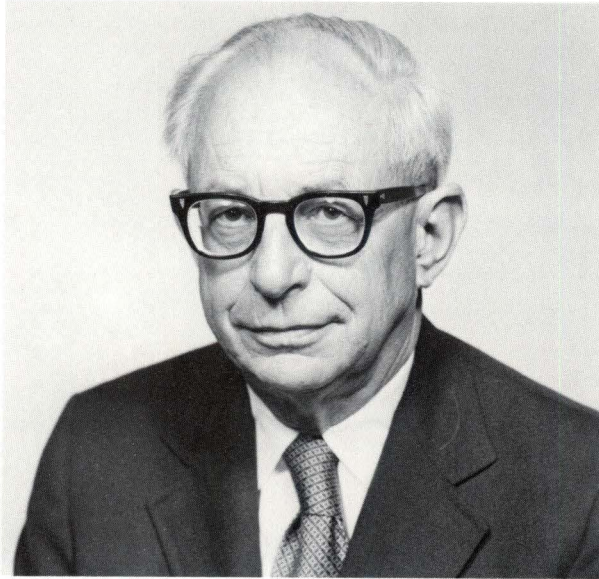
Dr. Robert Dyar died in Alaska in July of 1992 while on a fishing trip. A 1935 graduate of the University of Minnesota Medical School, he leaves a legacy that goes far beyond his numerous contributions in the field of medicine.

Dr. Dyar was born in DeSmet, South Dakota, where his father (B.A. Dyar, M.D., also a University of Minnesota Medical School graduate) was a small-town doctor. Bob's interest, however, was public health, and his theater of practice was the world.

After receiving a Ph.D. in public health from Johns Hopkins University, he joined the California State Department of Public Health where he served as chief of the Division of Preventive Medicine and chief of the Division of Research. He was on the faculty of the University of California at Berkeley and Johns Hopkins University and was dean of the Graduate School of Medical Science at the University of the Pacific Medical Center in San Francisco. He also served in the U.S. Air Force in World War II as a staff surgeon.

Often called a born teacher, Dr. Dyar was well-known for applying epidemiologic methods to the evaluation of health services, as well as to specific diseases. He was president of the American Epidemiological Society from 1965 to 1967, chairman of the National Committee on Vital and Health Statistics from 1963 to 1967, and chairman of the Epidemiology and Biometry Research Training Advisory Committee from 1960 to 1964.

Dr. Dyar developed — and for 13 years conducted — a very successful Epidemiology Training Program for medical students, which also served to educate young faculty members entering the field of academic preven-



Dr. Robert Dyar

tive medicine. He frequently provided counsel and support for the students and faculty members participating in the program.

Bob's goal was to alleviate the hardship and suffering caused by epidemics of disease. Through the Agency for International Development, he traveled to Europe, the Soviet Union, South America, and Africa to advance the cause of health care. Late in his career, he devoted a great deal of time working to eradicate small pox and other diseases from West Central Africa.

Helping and giving to others seemed to come naturally to Bob Dyar, whether through the practice of medicine or through the many other avocations that filled his life. A close friend and student remembers first meeting Bob: "At age 18, I remember sitting on the deck at Diastole (Dr. Dyar's California coast property) and talking about international health and social problems. I had a sense that a whole new world was opening up to me. It had something to do with creating a balance between working — committing yourself to solving problems, to helping others — and playing, not only enjoying yourself, but also valuing relaxation and appreciation of all those beautiful things which are a source of vital energy to us all."

The "beautiful things" for Bob Dyar were sunsets on the Pacific at Diastole, a lick from his much-loved black Labrador retrievers, breeding and showing his prize Call ducks and Bantam chickens, preparing his award-winning jams and jellies, and entertaining friends with his famous gourmet cooking.

"Diastole" means the relaxation phase of the pumping heart, and for Bob Dyar, a place of renewal. His gift to the Minnesota Medical Foundation — from the proceeds of the sale of Diastole and additional property in Sonoma, California — will go to support medical student scholarships at the University of Minnesota Medical School. It is a lasting tribute to his ever-generous spirit. ■



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Featured Speaker:
Dr. Bernadine Healy, Director
National Institutes of Health
1991 to 1993

6:00 p.m. Reception
7:00 p.m. Dinner and Program

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