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TECH'S TALK

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Medical Technology Tops All University Units in Alumni Participation Giving

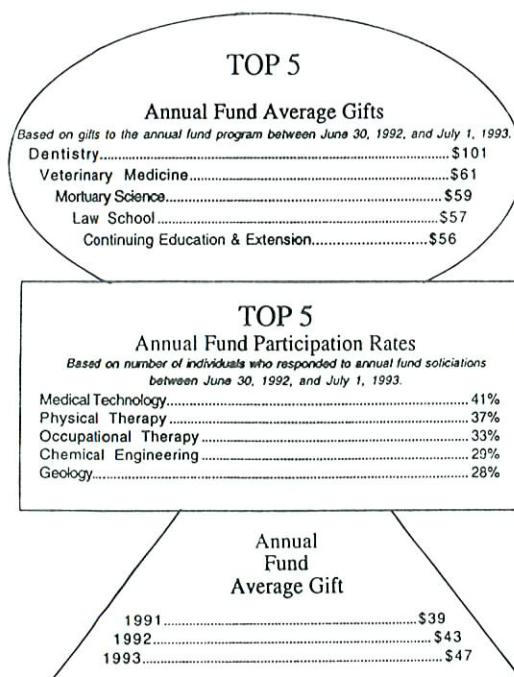
The 1994 Annual Fund newsletter—*The U and You*—of the University of Minnesota Foundation announced the Top Five University programs by alumni participation rate and average gift. Of all University units, including those at the coordinate campuses, medical technology was first in participation rate with a giving percentage of 41%, followed by physical therapy (37%), occupational therapy (33%), chemical engineering (29%), and geology (28%). Rates were based on numbers of individuals who responded by mail or phone solicitation to the annual drive. We are delighted to add another first to our program and wish to publicly thank our alumni for their loyalty and generosity.

According to **Karen Karni**, program director, "I believe this percentage of participation reflects the pride medical technology graduates have in this program, the excellence of their educational experiences, and the genuine concern faculty and staff have for students and graduates. Because we are a small unit, we are able to know our students as individuals and to promote their development as highly competent laboratory professionals. Excellence in teaching has been a hallmark of medical technology for over seven decades and certainly is evidenced by our alumni support."

The other Top Five listings were for average gifts. Here dentistry headed the list with an average donation of \$101 from its alumni, followed by veterinary medicine (\$61), mortuary science (\$59), the law school (\$57), and continuing education and extension (\$56). The medical technology average contribution was \$41.

Among public universities, our University ranked second in total voluntary support. In 1992, 59,000 donors contributed \$127 million to this fine institution. For medical technology during the past fiscal year, 476 individuals contributed \$19,484, the largest numbers of donors and monies for this program!

Graduates of this program have shown, in a very tangible way, their pride in medical technology and the University of Minnesota. We challenge our alumni further to help us reach a 50% participation rate in 1994-95. We can achieve it!



1993 Major Contributors

The following represent those persons who contributed \$100 or more in calendar year 1993:

\$10,000

Phyllis Lund Kelsch
Karen Viskochil

\$1,000

Virginia Rollins Coxé

\$500 - \$999

Esther Freier
Mardie G. Geiser
Carl Rohwer
Lorraine Gonyea Stewart

\$100 - \$499

Ellis and Ann Benson
Ruth Bienhoff Brauer
John D. Breznik
Marilyn Tucker Budge
Lorna Henderson Canfield
Kathleen Quast Carlsen
Ruth Minor Chamberlain
Elise Andreassen Church
Gerry Olafson Cochran
Irma Koskella Coleman
Robert A. Dahl
Kay L. Draves
Dorothy Carlson Duffell
Mary Jane Eaves-Raich
Grace Mary Ederer
Audrey Naas Engelen
Beverly J. Fiorella
Frances Rosenblum Firestone
Cathie Leiendecker Foster
Mary Moriarty Galvani
Kathryn Hammer Glen
Christina Fox Gramlich
Helen Nordine Hallgren
Carol Luck Harris
Jean Houger Hengesbaugh
Janet Smith Hoeft
Margaret C. Hovde
Karen Kloss Huff
Mary Lunzer and Todd Jacobson
Carol Johnson Johnson
Billie Anne Herranen Juni
Karen Soderberg Karni
Marilyn M. Klein

Patricia Maser Koors
Arline Volkert Krave
Dorothea Poppenberger Kryewinske
Karin Rittgers Libby
Jean Jorgenson Linné
Karen Gates Lofsness
Dora Jean McClintock
Barbara Goldbarg Melamed
Donna Messerli Meyer
Diane Olson Michalik
Florence M. Misjuk
Raymond A. Newman
Toni D. Okada
Kay Nelson Olson
Verna L. Rausch
Vincent Rogalski
Ruth M. Rosendahl
Shelly Lepisto Russ
Jean Hardy Rysavy
Joanne J. Samuelson
Milicent Hane Schmidt
Mary T. Skupa
Harriet Broman and J.R. Snoga
Betty Ruspino Soderling
Ella M. Spanjers
Elizabeth Stone
R. Dorothy Sundberg
Kathleen Moriarity Tekautz
Nettie Conser Warwood
Phyllis Hanson and Verne Weiss
Joyce Clarke Wian
Marie Wujcik

A Message from the Director

Yes, there is good news from the University of Minnesota! In a departure from the usual format for this column, I would like to itemize some of the advances and achievements of the greater University. Some of that good news over the past few years includes:

- The University offers almost 200 undergraduate academic majors and 30 different languages.
- In the fall of 1993, 46% of entering students were from the top 20% of their high school class.
- Fifty percent of U of M students perform voluntary work in addition to attending school.
- University of Minnesota teams won the College Bowl regional championships eight years in a row and have won the national bowl titles three times since 1984.
- The University has added more than 100 endowed faculty positions since 1988. One of these is the Mildred King Rohwer Endowed Professorship in Medical Technology. These endowments keep leading scholars at the University and help attract the best minds available.
- The University library system is currently ranked 15th in numbers of holdings (5 million volumes). It ranks first in the nation in interlibrary lending, ahead of the Library of Congress.
- The University ranks 17th nationally among all universities and 7th among public universities in quality of graduate education. It ranks 9th in the number of doctoral degrees awarded and 20th in the number of master's degrees awarded.
- The health sciences programs and hospital/clinics are a \$650 million operation—about 40% of the University's

total annual \$1.65 billion operating budget. Only 25% comes from the state legislature; the remainder is from federal research and training programs and from foundations, industry and private sources.

- \$30.5 million were raised to construct a four-story Cancer Research Center to be located near the University Hospital. Donations from over 1,000 individuals, corporate, and foundation donors are funding the construction of the Cancer Center, to be completed in 1995.
- Sixteen University of Minnesota faculty members have been elected to the prestigious National Academy of Sciences.
- The University of Minnesota ranks 6th in federal funding among public universities.
- A 1993 report by the Minnesota High Technology Council listed 236 commercial products based on University research. University alumni have founded more than 1,500 technology businesses, contributing an estimated \$30 billion in annual revenues and employing 125,000 Minnesotans.
- University of Minnesota alumni include four Nobel prize winners, a former chief justice of the U. S. Supreme Court, and two former vice presidents (one is now ambassador to Japan).

We believe the University of Minnesota continues as a premier institution of higher learning. Steeped in tradition, it continues its excellence in undergraduate and graduate education, research, and service.

Karen R. Karni, Ph.D., CLS
Associate Professor and Director



Scholarship Funds

Scholarship funds have enabled many of our medical technology students to complete their studies on time at the University of Minnesota. Our medical technology students now pay tuition costs of \$79.50/quarter credit or \$3500 per year, with approximately \$400 for fees, as well as books and living expenses. Because of these rising costs, the availability of scholarship funds has become increasingly important. The Division administers four scholarship funds that provide scholarships exclusively for students in Medical Technology.

The **Hovde-O'Brien Scholarship Fund** is supported by generous contributions from alumni, faculty, staff, and friends. This scholarship fund is named in honor of William O'Brien, head of Medical Technology from 1925-39, and Ruth Hovde, professor and director of the Division of Medical Technology from 1964-84.

The **Gonyea-Stewart Scholarship Fund** and the **Gonyea-Stewart Loan Fund** were established in 1986 by Lorraine Gonyea-Stewart, an emeritus member of our faculty. In addition to the scholarships, students may utilize the Gonyea-Stewart Loan Fund to obtain short-term, emergency loans to continue their education in a timely manner.

The **Yvonne C. Cooke Scholarship Fund** was established in 1990 by Yvonne Chenoweth Cooke, a 1937 alumna of our Medical Technology program, to help deserving students complete their studies. One of her wishes for this scholarship program is that awardees repay the money later, if they are able to do so.

The **Betty Rae Kramer McConnell Scholarship Fund**, was established in 1992 by the family of Mrs. McConnell, a 1945 alumna. Selection of scholarship recipients is based on scholastic standing, need, and professional potential.

All students in the professional program are eligible for these scholarships. This year each of ten deserving students received \$1,000 from one or more of these scholarship funds. The recipients are:

- **Jacqueline Andres** of Antigo, Wisconsin, has participated in a number of activities, including the Boynton Health Service Peer Education Program and intramural sports. She has worked part-time as a student assistant in the UMHC Clinical Research Center.
- **Maria Bausero** of Montevideo, Uruguay, and Minneapolis, Minnesota, is a part-time student who works full time to support her family—her husband is working on a doctorate in literature at the University. Her long-term plans are to earn a Ph.D. in immunology and work in oncology research.

- **Luke Bonawitz** of Apple Valley, Minnesota, has been named to the Dean's List and presently works part-time in the virology laboratory of UMHC.

- **Eric Grahek** of Eveleth, Minnesota, has participated in medical technology student activities, and was the student delegate from the Minnesota Society for Medical Technology to the national ASMT meeting in Washington, DC, in June 1993.

- **Anna Hahm** of Caledonia, Minnesota, like others, holds down a part-time student job in our clinical laboratories. Her long-range plans are within health care administration.

- **Christie Haver** of Plymouth, Minnesota, graduated with "high distinction" in December. She was selected as one of three peer tutors to assist fellow students in understanding the more complex theories and procedures of laboratory science.

- **Teresa Hedlund** of Anoka, Minnesota, recently graduated "with distinction." She was a member of the Student Council and Graduation Committee and was also selected as a peer tutor. While in school, she worked part-time in the Specimen Receiving unit of the University laboratories.

- **John Hui** of Brooklyn Park, Minnesota, is a certified nursing assistant and has worked part-time in anatomy. He would like to combine his medical technology background with a pharmacy degree.

- **Michelle Orbeck** of Isanti, Minnesota, chose medical technology as a profession after her brother had been treated at UMHC for a degenerative neurologic disease. She hopes to work in research.

- **Mary Thalhuber** of Roseville, Minnesota, achieved the highest grade point average of all senior students—3.73. She is a former laboratory technician and has two daughters, ages 8 and 10.

The Division of Medical Technology, together with its students, wish to thank Lorraine Gonyea-Stewart, Yvonne Cooke, and the McConnell family for their generosity in establishing these scholarship funds, and also all alumni, faculty, staff, and friends who have so generously supported the Hovde-O'Brien Scholarship Fund. Contributions to any of the scholarship programs may be sent to the Division of Medical Technology, Box 198 UMHC, University of Minnesota, Minneapolis, MN, 55455.



Lilias Werner Opie, Class of 1939, Reminisces

This past year we received a wonderful letter from Lilias Werner Opie. She agreed to let us publish portions of it. We hope you will enjoy it as much as we did.

Dear Medical Technologists,

I transferred from St. Olaf College in Northfield, MN, in 1935. I wanted to be a Medical Technologist. This was a fairly new profession then. Dr. O'Brien was the Director and Mrs. Erskin was head of the Lab at the U of M Hospital. A little later Helen Knutson took that spot.

Back then we had nine months of lab training and six months of X-ray training. I had my X-ray training at the U of M Hospital and, with a few others, went to General Hospital for lab. There were three floors with long wards, beds on each side, men on one end of the floor and women on the other; nurses station in the middle; two single rooms on each floor for the critical or dying. Two floors had porches converted into wards, and were they cold! I was a patient there when a bunch of us came down with Paratyphoid from the food served in the hospital dining room. The Annex was for children and Contagion. An MT who was not a regular part of the lab was there for the Pediatricians. I spent some time with her.

The laboratory then was a shack on the roof and all the labs were together in this one room. We stayed in each one a month. There was Urines, Blood—we went to the wards and collected the samples using mouthpieces, tubing and pipettes, (the nurses were hostile then and called us "bloodsuckers"), Chemistry, Blood Typing and Matching—the donors came up to the lab, Bacteriology, Stools and Sputums—BMR's were part of this time section, done in a room downstairs. (That was a regular place for some of us to catch a nap after lunch.) Serology—Spinal Taps, Syphilis tests, a few were still Wasserman's and there was a fellow there who was claiming to be inventing a new one. Tissues—we got all caught up on all the old autopsies while I spent extra time there. Fun! Then there was the Out Patient Department that served the Out Patient Clinic. And there was a rabbit hutch on the roof for the rabbit pregnancy test, I don't remember which lab did those. The heads for some of the labs got us started for a few days and then went about their business.

My class was Dec. 1938. Ruth Hovde was a classmate. I graduated in March 1939. The salaries for those finishing then were about \$80 a month in the lab and less in doctors' offices. Some wanted me to double as a receptionist and keep the waiting room magazines arranged. I chose \$75 and room and board in a small town hospital and set up the lab. I also did the X-rays.

My fiancé finished his Ph.D. in July 1940 and we were married and moved East where he was employed by Merck and Co. He worked for Wyeth later and during a time when he was working on a new antibiotic, I worked in the lab with him. We moved back to Minneapolis in 1945. For a while, I toyed with the idea of spending some time as a refresher but it didn't work out and we decided a bit later to have a family. I have a strong interest in anything medical and classical music has been very important in my life. My husband has been retired for seventeen years and we have enjoyed our companionship.

Greetings and good wishes from an old tech,

Lilias Werner Opie

Phyllis Lund Kelsch Scholarship Fund

The Division of Medical Technology has been honored to receive a gift annuity of \$10,000 from Phyllis Lund Kelsch. The money is to be used for student scholarships and will be administered through the Phyllis Lund Kelsch Scholarship Fund.

Phyllis Lund graduated from our Medical Technology program in 1948 after completing an internship at Anchor Hospital in St. Paul. She then worked at Northern Pacific Hospital in Missoula, Montana, and Grand Forks Clinic in Grand Forks, North Dakota, where she met her husband Walter. The Kelsches moved to Seattle, and Walter Kelsch received his M.D. degree from the University of Washington, ultimately specializing in anesthesiology. In 1955, Phyllis and Walter Kelsch settled in Spokane where they raised four children. The Kelsches are now retired, have eight grandchildren, and enjoy church and volunteer activities, gardening, and golf.

Tuition and fees in the Medical Technology program currently approach \$4000 per year; students must also pay for books and living expenses. The Phyllis Lund Kelsch Scholarship Fund has been established to help students during one of the most financially difficult times in their lives.

We wish to express appreciation for the generous donation of Phyllis Lund Kelsch.

Karen Viskochil Provides Funds for Medical Technology Faculty

Karen Viskochil, Executive Vice President of R&D Systems of Minneapolis, provided monies totaling nearly \$10,000 to the Division of Medical Technology in October 1993. The funds will be used for special faculty projects, e.g., computer upgrades, travel to national meetings, the development of new instructional methodologies, and research activities.

Karen was an assistant professor in the Division from 1973 to 1980, and students during that period will remember her knowledge, competence, and exemplary teaching in hematology. In 1977 she was awarded a Horace T. Morse Award for excellence in undergraduate education.

We thank Karen Viskochil for her generosity and loyalty to the Division of Medical Technology.

Reading for Students with Visual Impairments

Verna Rausch, professor emeritus, has found a unique way to help the visually handicapped by combining her scientific expertise with her clear voice and articulate pronunciation. Verna retired from the University in 1984, and since 1992 has been spending three hours every week recording scientific and technical material onto tape. The material is then put on a cassette for students with visual disabilities to help them learn their course work. Verna usually reads anatomy, physiology, geology, and social science textbooks for post high school students. She is currently recording material for one of our medical technology students who learns printed material more readily by sound than sight. He says it is great to have someone who can pronounce the scientific terminology correctly!

Verna finds this work very interesting and believes she has a good group with whom to work. She noted that it is especially difficult to read statistics, mathematics, and music. In order to qualify to read for the visually impaired, one must take a test and read from textbooks and newspapers. This may be done at the Communication Center, State Services for the Blind and Visually Handicapped, 2200 University Avenue, Minneapolis, Minnesota. If you are interested in volunteering, call (612) 642-0849.



Our Clinical Affiliates: Where Students Gain Experience and Confidence

The present Medical Technology curriculum includes 3 quarters (33 weeks) of preclinical professional course work in the senior year. During this time, students are introduced to the basics of clinical chemistry, body fluids and urinalysis, hematology and hemostasis, immunohematology and microbiology, including mycology, parasitology and virology. These preclinical courses are followed by a total of 23 weeks of clinical rotations. At present, these rotations include 6 weeks in chemistry and urinalysis, 5 weeks in hematology and hemostasis, 5 weeks in microbiology, 5 weeks in immunohematology, 1 week in virology, and 1 week in a "specialty laboratory" such as cytogenetics, immunophenotyping, molecular diagnostics, cardiac catheterization, pulmonary function and others. In addition to clinical rotations in the **University of Minnesota Hospital** laboratories, students may elect to have one or more clinical rotations in several other area hospitals.

Abbott Northwestern Hospital provides clinical experience for our students in their hematology, chemistry, blood bank and microbiology laboratories. Education coordinator, Jane Reinke, says that they have hired a number of U of M graduates, and "without the contributions of these exemplary clinical laboratory scientists, Abbott Northwestern Hospital would not have the quality laboratory it has today."

The **St. Paul Region of the American Red Cross**, in addition to providing part of the blood bank clinical experience for our students, has been chosen to be one of ten central testing laboratories in the national Red Cross system. In the past year, they have employed two medical technology students from the U, both of whom rotated there before being hired. Diane Burnett, education coordinator, states that they were so impressed by these students, that when jobs became available, the Red Cross contacted the students directly to offer them positions.



A relatively new clinical rotation for our students has been established at the **Mayo Clinic** in Rochester. Students rotate through the chemistry, blood bank, microbiology or virology laboratories under the direction of Carol McLimans. She says that comments from instructors and technologists who work with the U of M students are highly complimentary, describing them as well prepared, highly motivated and willing to work.

Opened in 1988, the new **Veteran's Affairs Medical Center** provides a modern and progressive learning environment for clinical laboratory science students. The chemistry, blood bank, hematology and microbiology laboratories furnish our students with clinical experience in these areas, and many University graduates are currently on the staff of the VA laboratories.



On The Lighter Side...

A recent employment advertisement in the Minneapolis *Star Tribune* read, "Flexible part-time position open for MLT. Proficient lobotomy skills required. Chem and Heme with abnormal morph preferred..." Although we have introduced many new classes for our students over the years, lobotomy skills are not yet included!

Division Faculty Share Their Expertise

In addition to classes for medical technology students, members of our faculty are frequently called upon to teach other groups. Last summer, **Pat Solberg** and **Cheryl Swinehart** were involved with the Health Sciences Minority Program for eighth grade students. The goal of this program is to encourage student interest in science and math and introduce younger students to a variety of health careers. After a brief description of medical technology, approximately 45 students performed ABO typing and urinalysis dipsticks, evaluated microbiology plates, and observed hematology slides.

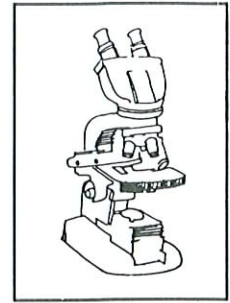
Three members of the Division of Medical Technology, **Bob Jechorek**, **Pat Solberg**, and **Cheryl Swinehart** have been involved as mentors in the UMHC/Roosevelt High School Medical Magnet program. The purpose of this mentorship is to introduce junior and senior high school students to many facets of medical care, including clinical and laboratory medicine. Approximately 15 students spend 1.5 hours per week for 10 weeks studying such areas as the emergency room, orthopedic clinic, sports medicine, hematology clinic, the Clinical Research Center, and medical technology. As part of their orientation to medical technology, students performed basic ABO typing, collected blood from an artificial arm, reviewed a case history from a patient with leukemia, and streaked plates in a microbiology demonstration.

Cheryl Swinehart and **Karen Lofsness** taught several sections of the course, "Honors Freshman Colloquium—Introduction to the Arts and Sciences." This course introduces honors students to a number of disciplines at the beginning of their freshman year, and is taught by a wide variety of professors throughout the University. During their introduction to medical technology, these students performed hematocrits on horse blood and learned to calibrate a centrifuge using a tacometer. This gave the students "hands on" experience while they learned about quality control, safety, and methods comparison.

During winter quarter, several medical technology faculty members taught the Perfusion Methodologies course. This course is part of the Cardiovascular Perfusion Certificate Program offered by the University. Clinical perfusionists are involved in the setup and operation of the heart-lung bypass machines, ECMO equipment and other cardiac-assist devices. The faculty members included: **Nancy Brunzel**, chemistry; **Helen Hallgren**, blood banking; **Karen Lofsness**, hematology; and **Cheryl Swinehart**, coagulation.

Medical Technology Students Win UROP Grants

The Undergraduate Research Opportunities Program (UROP) is a university-wide competitive program that provides funds for student research projects. In this program, undergraduates conduct research in collaboration with faculty advisors, and receive financial compensation for their work. Since 1985, almost 3000 UROP projects have been funded at the University, and 23 of these awards have gone to medical technology students. This year, two of our senior students are currently conducting their research projects under the UROP program.



Patti Buttrey is working on the "Preparation of Fragments of BP55 Which Will Maintain Bactericidal and Endotoxin Neutralizing Properties Against *Pseudomonas aeruginosa*." Her faculty advisor is Beulah Gray.

Robert Carter is working on a project entitled "Genetic Predisposition to Hypertriglyceridemia: Study of Exon 3 of Apolipoprotein C III." Bob's advisors are **Michael Tsai** and **Naomi Hanson**.

UROP projects are completely separate from regular course work, and all research is conducted outside of the classroom—after school hours, on weekends, during school breaks or summer vacation. Through their participation in the UROP program, medical technology students have had the opportunity to write project proposals, perform research, publish their findings, and present their work at national scientific meetings.

Students Judge at Local Science Fair

On January 27th, seven senior Medical Technology students donated their time to judge 62 Science Fair projects at St. Matthew's School in St. Paul. Our students had an enjoyable time interviewing the 5th, 6th, and 7th grade scientists. They were impressed by the depth of knowledge these young individuals demonstrated and the amount of work they put into their projects. After evaluating, assigning points, and debating, the judges awarded ribbons. The following week, hand-made individual "thank you's" were delivered to each judge from the students at St. Matthew's. This event was thoroughly enjoyed by all involved and is destined to be an annual project for interested senior students. Participants in this year's judging were: **Phillip Bauer**, **Jeffery Boutain**, **Patti Buttrey**, **Julianne Newham**, **Shamsur Rahman**, **Mark Schnapf**, and **Matt Spethmann**.

Update on Clinical Laboratory Science Master's Degree Program

The Clinical Laboratory Science master's degree program began in 1986, as a result of a merger of the previous Laboratory Medicine and Medical Technology M.S. programs. The program is designed to be interdisciplinary; students specialize in one of six areas: hematology, immunology, microbiology, biochemical genetics, clinical chemistry or immunohematology. Since the inception of the program, 24 students have completed their degrees. Eleven students were admitted for the 1993-94 academic year, and there are 20 students currently in the program. Our students have been outstanding. This year, 4 of our students presented papers at national and international meetings. These research presentations were:

"Red Blood Cell Depletion of Umbilical Cord Blood for Transplantation," **J. Ullmann**, E. Perry, S. Fautsch, J. McCullough. The American Society of Hematology, December 1993, St. Louis, MO.

"Insensitivity of Stool Toxin Assays in Detecting Toxin Producing Strains in *Clostridium difficile*-associated Diarrhea (CDAD)," **M. Mehdi** and K. Willard. International Congress of Antimicrobial Agents and Chemotherapy, November 1993, New Orleans, LA.

"A Distinctive, Ultrastructural Spatial Distribution of the Human L-Selectin Homing Receptor on Human Leukocytes and Transfected Cells," **S. Hasslen**, U. von Andrian, E. Butcher, R. Nelson and S. Erlandsen. International Congress on the Regulation of Leukocyte Production and Immune Function, December 1993, Sydney, Australia.

"Determination of Clonality Utilizing X-chromosome Methylation Pattern and the Polymerase Chain Reaction," **S. Lee** and C. Litz. International Academy of Pathologists, March 1994, San Francisco, CA.

In addition, two of our students won awards for their research projects. **Jane Ullmann** won both the American Red Cross Transfusion Sciences Research Award and the American Association of Blood Banks Scholarship Award. **Ellen Voss** competed successfully for an American Association of Clinical Chemistry Summer Student Fellowship.

The range of thesis research topics is large, as might be expected from a program that covers so many areas of laboratory science. In addition to the studies mentioned above, the following are examples of the titles of thesis research projects of our second year students:

"Development of a Model for the Colonization and Microbial Degradation of the *Giardia* Cyst Wall"

"Molecular Analysis of p53 in Human Breast Lesions"

"Troponins T and I as Cardiac Markers of Acute Myocardial Infarction"

"Catalase, Peroxidase and TNF α Levels in Patients with Graft v Host Disease and Pancreatitis"

Following completion of the program, our graduates are qualified for a variety of positions. Approximately half of the students go on to medical school or Ph.D. programs. Most of the others have obtained research and development or technical sales positions in industry.

Helen Hallgren was recently re-elected to a second three-year term as Director of Graduate Studies for the CLS program. Our medical technology faculty remain active within the CLS advisory committee, and have been actively involved as research advisors and mentors.



Karni Wins Distinguished Author Award

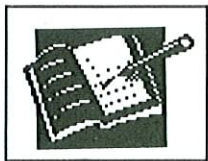
On October 19, 1993, at the annual meeting of the Association of Schools of Allied Health Professions, Karen Karni was awarded the J. Warren Perry Distinguished Author Award. This award is made to the author of the best paper published in the *Journal of Allied Health* each year, as judged by its Editorial Board. Title of the paper was "Employment Patterns and Turnover Among Laboratory Personnel: A Twenty-Year Study." The publication represented ongoing research on the employment of laboratory practitioners as well as reasons for persons leaving their jobs.

As part of her study, Karen found that laboratory professionals represent a stable work force. The turnover among four-year technologists was nine percent, a figure far lower than other health care providers such as nurses. Turnover was also inversely related to education—more schooling was equated with less turnover. Moreover, gender-related issues such as pregnancy or caring for children were not significant reasons for terminations.

The award is named after Dr. J. Warren Perry, first editor of the *Journal of Allied Health*. Interestingly, he was the Dean of the School of Health Related Professions, State University of New York at Buffalo, where Karen first became a faculty member within its Department of Medical Technology.

Nancy Brunzel Authors Text in Urinalysis

Ah, urinalysis! We remember it well, if not with particular fondness. Now there is a remedy for a reluctance to study this centuries-old subject. Nancy Brunzel's recently published textbook, *Fundamentals of Urine and Body Fluid Analysis*, is "very user friendly, readable, and everything you'd ever want to know about analyzing urine and other body fluids."

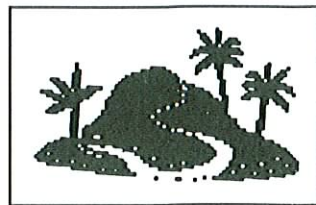


The book project began nearly four years ago when a W. B. Saunders' representative inquired about good textbooks on urinalysis. Nancy, laboratory manager and coordinator of urinalysis and clinical chemistry instructional laboratory sessions, discussed her likes and dislikes about the book she was currently using. When asked if she had ever thought about writing her own book on the subject, Nancy said, "yes," and was invited to submit a prospectus. Saunders accepted the prospectus, offered Nancy a contract in late 1990, and the project was launched. When given the option of editing a collection of chapters from multiple authors or soloing the text, Nancy decided upon single authorship and began writing in the summer of 1991. The book was finished two years later amidst multiple "bumps and bruises." She wrote at work, at home, in Los Angeles, Boston, while at meetings, and on vacation. In fact, every spare minute seemed to be occupied with writing. Although quitting was never considered, fear of failure in completing the project was ever present. She developed tendonitis in her elbow from constant use of the computer mouse. And once the computer itself crashed, costing her innumerable pages that had to be rethought and rewritten.

The most difficult part of the project was producing appropriate photos, figures, diagrams and tables. This was very time-consuming, but critical to her goal of producing an excellent learning text. The results were well worth the effort. The book takes a multifaceted approach to learning, relying heavily on "visually inviting" illustrations, as well as case studies and probing questions designed to link knowledge with physiologic and pathologic processes. Through it all, many colleagues in the Division provided strong support, inspiration, encouragement, and help with editing. The final product was 504 pages and issued in January 1994. When asked whether she would do it again, Nancy emphatically said, "Yes!"

Tropical Research!

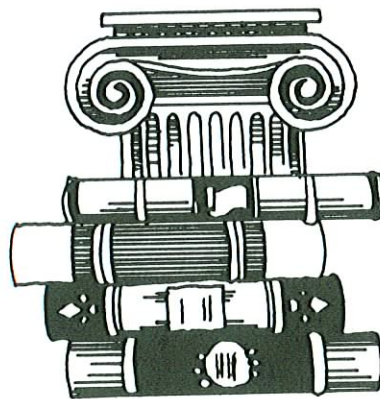
Well, not quite tropical research, but research in southern California, which is a beautiful place any time of the year. This is especially true in the fall and winter when the Minnesota snow and cold can be wearying. **Dr. Douglas Christie**, associate professor in immunohematology, spent fall quarter 1993 living in an apartment in La Jolla—a five-minute walk from the beach—with a pool and palm trees ten feet from his front door. Hard life! Actually, he was taking a professional single quarter leave of absence at the Scripps Research Institute to develop new skills in molecular biology.



Having previously worked with Dr. Tom Kunicki (formerly of Milwaukee and now at Scripps), Doug had the perfect opportunity to learn some new techniques for his own platelet research and to catch up on those extended summers he's missed since moving to Minnesota. While at Scripps, Doug spent his time mutating a specific platelet membrane glycoprotein gene. Specifically, his project involved cutting the gene into a smaller piece with the goal of expressing the corresponding mutated protein in a tissue culture system and studying the effects on platelet function. This involved learning some fairly sophisticated gene cloning techniques, such as mutagenesis, polymerase chain reaction, and DNA sequencing.

The highlight of his leave was a visit from his wife and three children (who were in school and could not accompany him for the entire time) for ten days over Thanksgiving. They toured Disneyland, Universal Studios, Sea World, and other places.

Doug's conclusion about his single quarter leave: it was extremely worthwhile, and will definitely advance his research at the University.



Gold and Silver Classes Honored

Each year we continue our tradition of honoring the 50th and 25th anniversary classes. This year they include the following:

Class of 1944 (50th Anniversary)

*Marjorie Marvin Addington
Maxine Hugos Anderson
*Marilyn Steinke Balzar
Marie Prebonich Beech
**Sigrid Serum Berg
*Jean Jacobs Bingham
Elizabeth Robbins Birchwood
Florence Holst Carney
R. Carroll
*Norma Christenson
Natalie Cremer
*Mariann Helleckson Dicks
*Angeline Maria DiSalvo
*Mildred Miller Enquist
*Evelyn Naseth Fluggen
*Helen Jorgenson Fowler
*Margaret Giebenhain
Margaret Moulton Green
Frances Nelson Haight
Mildred Huettner Hakomaki

Ernestine Fischer Halberg
Charlotte Helgeson Hansen
Marian Trapp Hill
Idelle Hanson Hultgren
*Jane Humiston
*Margaret Johnson Kaiser
Shirley Pankow King
**Shirley Etta Kubon
**Betty Wile Levy
*Jane Helen Lynn
Betty Geiger Marnette
*Joyce Marion Merting
Eunice Carlson Mills
Margaret Thielicke Moore
Helen Johnson Moutang
Carole Bjoranes Newberg
Ollie Stubblefield Olson
**Florence McKeivitt Ould
Mariellen Frank Palm
*Janet Eyster Pappone

*Dorothy Benson Pennie
**Kathleen Klein Pinke
Marjorie A. Pomeroy
Shirley Jassoy Pucci
Della Kruse Ramsden
Sara Juster Ring
*Gael Robinson
*Margaret H. Sanderson
Betty Shields Stephenson
Marion Bartl Stein
Lorraine Gonyea Stewart
*Elizabeth Hall Suttie
Barbara Tucker
*Mrs. John R. Van Ost
Marjorie Due Vollhaber
*Daphne Von Rohr
Mary Richards Walker
*Cleó Abbott Wangeness
*Theo Wells

Class of 1969 (25th Anniversary)

Jacquelyn Einhorn Battis
Elizabeth Kirker Bixby
Lenore Freeberg Bolfing
Kathleen Jagiela Bourdeaux
Cynthia Strub Busian
*Grace A. Byers
Carol Krueger Christiansen
*Jackie Hsi-Ning Chu
Cheryl Briggs Clancy
Marie Coyer Clark
Leah Pihlstrom Clark
Mary Goossens Dieveney
Linda Kirchoff Donley
Miriam Schultz Ebeling
Christine Windedahl Fausch
Joyce Rolla Forbot
Margaret Erlinger Gabrick
Linda Farley Gagnon

Andrea Durand Girtz
Barbara Behan Holmen
Karen Kloss Huff
Ronald E. Karsnia
Robert A. Larter
Karen Rittgers Libby
Maureen Loven-Bell
Carol Luck-Harris
Janet Porter Lundberg
Cynthia Moe Menken
Diane Olson Michalik
Carol M. Oolman
Devonne Ostman Nilsson
Susan Rosenwald Peavey
Janet Tiede Redman
Barbara Fyksen Reinhardt
Kathryn Pribyl Reisinger
Barbara Buckman Roesler

Faye Crickmer Rood
Jean Hardy Rysavy
Mary Engman Schmalz
Meredith Lund Schurr
Janis Gustafson Spinelli
Susan Dobrin Stavis
*Sally Ann Stavn
Gloria Schaap Strandberg
Elaine Hendrickson Strom
Charlott Peterson Taylor
Sharol Stone Thomas
Cynthia Kaley Thompson
Marlene Shears Tuttle
Katherine Lakso Vagts
Yumi Ward
Norma Weisert Williams
*Sandra Zeleschnak

*Address unknown

**Deceased

If you are a member of either class, please make a special effort to attend the annual alumni banquet (reservation form on the last page). You and your classmates will be seated together, so you will have the opportunity to renew friendships.

We like to have correct addresses of our alumni. You can do us a favor by sending us any addresses of the people with whom we have lost contact. Thanks!

Graduation Ceremony 1993

The graduation ceremony for the 71st class in medical technology was held October 2, 1993, in the theater of Coffman Memorial Union. **Christine Passeri**, president of the Medical Technology Student Council, began the ceremony with a welcome to graduates, their families and friends, faculty, and staff. **Dr. Karen Karni**, program director, welcomed all on behalf of the Department of Laboratory Medicine and Pathology and introduced medical technology faculty and staff. **Stella Cook**, teaching specialist within the Division of Medical Technology, was chosen by the students to present the graduation address.

Seniors **Pepin Devroy** and **Jennifer Pinamonti** provided a slide show presentation of their classes, clinical rotations, and outside activities. **Robert Jechorek**, scientist, announced several awards and scholarship recipients. The University of Minnesota Medical Technology gold pin was awarded to **Mary Thalhuber** for achieving the highest grade point average in the class.

Karen Lofsness, assistant professor, led graduates in reciting the Medical Technology Oath, and then each individual signed a copy of the Oath. **Karen Karni** conferred degrees. Remarks by **Brian Lauber**, president of the Medical Technology Alumni Society, concluded the program. Following the ceremony, a reception was held in the Campus Club of Coffman Union.

The class of 1993 included:

Patricia Anderson, Gaylord, Minnesota
with distinction

Sarah Syraphay Brown, Champasak, Laos

John Richard Burton, Maplewood, Minnesota

Pepin Renee Devroy, Green Bay, Wisconsin

Kimberly Ann Douglas, Edina, Minnesota
with distinction

Mara Elofson, Edina, Minnesota

Andrew Fish, Minneapolis, Minnesota

Eric John Grahek, Eveleth, Minnesota

Christie Leah Haver, Plymouth, Minnesota
with high distinction

Teresa Marie Hedlund, Anoka, Minnesota
with distinction

Jizhong Jin, Shanghai, China
with distinction

Mark Leo, Minneapolis, Minnesota

Radhiya Yahya Mehdi, Dubai, United Arab Emirates

Christine Marie Passeri, Duluth, Minnesota
with distinction

Jennifer Lynn Pinamonti, North Branch, Minnesota

Kathy Shaw, Minneapolis, Minnesota
with distinction

Lorie Lynn Siemon, Belle Plaine, Minnesota
with distinction

Mary Frances Thalhuber, St. Paul, Minnesota
with high distinction

The Division of Medical Technology will celebrate graduation for the **Class of 1994** on Saturday, October 8, 1994, at 2:00 p.m. in the St. Paul Student Center Theatre. All alumni are welcome.



Alumni and UMHC Leaders

Connie Lien Adams, UMHC medical technologist specialist in the blood bank, is the President-elect of the Minnesota Association of Blood Banks.

Susan Leszko Fautsch, senior medical technologist in the UMHC blood bank, is a member of the Board of Directors of the International Society for Hematotherapy and Graft Engineering. Together with **Elizabeth Hall Perry, M.D.**, she presented a teleconference, "Transfusion Support of the Bone Marrow Transplant Patient," June 1993.

Kathleen (Kathy) Hansen, administrator of clinical chemistry, UMHC, is currently the ASCLS Region V director, representing laboratory professionals from Minnesota, North and South Dakota, and Wisconsin. Kathy is also running for President-elect of ASCLS, with elections to be held in June in Nashville. If successful, Kathy will be the ninth Minnesotan to be elected president of this 62-year-old organization. In addition, Kathy recently won a Distinguished Service Award from UMHC for her many contributions to the University's hospital and clinics.

Clareyse Nelson, UMHC laboratory administrator in the blood bank, is the facilitator of the Chief Technologist Forum of the American Association of Blood Banks, as well as an accreditation inspector for the AABB.

Kay Nelson Olson, UMHC laboratory manager (chemistry), is the immediate past chair of the Midwest section of the American Association of Clinical Chemists, while **Cathie Leiendecker Foster**, UMHC laboratory manager (molecular diagnostics), is chair-elect of the same section.

Eileen Leipus Rogers is the current president of the Minnesota Association of Blood Banks, an organization of over 300 immunohematology personnel. She is the technical supervisor of the Transfusion Service, Abbott-Northwestern Hospital, Minneapolis. In addition to her work with MABB, Eileen has organized the U of M Medical Technology Alumni Society Spring Banquet for the past nine years.

Cathy Schreck, medical technologist specialist in clinical microbiology and a 15-year employee of UMHC, is currently the vice president of MIMA (Minnesota-Interlaboratory Microbiology Association), an organization of approximately 500 members. She is also the UMHC representative to MIMA and this year chairs its fall, winter, and spring meetings.

Ella Spanjers was recently recognized for 45 years of service to UMHC. We estimate that she has taught over 70 medical technology students in special hematology during her tenure at the University. Ella, laboratory

manager in special hematology, recounted a memorable moment for "Inside Express," the weekly newsletter for UMHC employees. According to Ella, "Shortly after I started working at UMHC, I was asked to do an emergency bleeding time in the OR. There was no work area for me so I asked one of the surgeons to hold my tray, and he graciously did. Later, I was informed by one of the surgery residents that I had handed my tray to Dr. Owen Wangenstein, head of the Surgery Department. I was often reminded of this experience."

UMHC Virologists Active in Research

Laboratory personnel in the virology laboratory of UMHC have been active in research and presentations. Along with other investigators, they have four abstracts at the May annual meeting of the American Society of Microbiology in Las Vegas. **Sharon Henry** will have an abstract, "Antiviral Susceptibility Testing of Clinical Strains of Cytomegalovirus (CMV) and Herpes Simplex Virus (HSV) in the Diagnostic Virology Laboratory." **Maureen Lynch** and **Wendy Oien** (a recent graduate) are authors of "Rapid Detection of Herpes Simplex Virus (HSV) in Clinical Specimens." **Cheryl Scott** and **Cindy Stratton Dirksen** are included among authors of the paper, "Evaluation of Two Serological Methods for Detection of Epstein-Barr Virus (EBV) Antibodies." **Marlene Holm** and **Cindy Stratton Dirksen** worked on the research project, "Quantitation of Cytomegalovirus (CMV) Viremia by Cell Dilution Culture (Q-Cx) and CMV Antigenemia Assay (CMV-Ag)."

New Computer Instructional Program in Hematology

Last summer, **Karen Lofsness** received a Health Sciences Instructional Computing Award to develop a computer program for teaching the blood smear differential counting procedure. Together with a graphic designer, she has devised a process for converting photomicrographs of blood cells into isolated color computer images. Individual white cells can then be placed anywhere in a red cell/platelet background. Thus, the exact cells seen in any given field are controlled and predetermined.

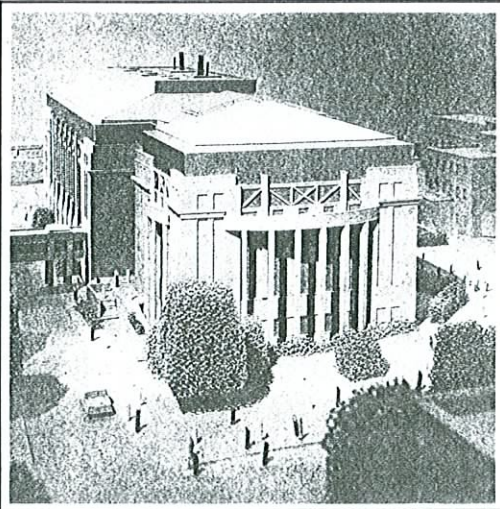


The instructional program will cover normal leukocyte morphology and the procedure for differential counting. As the student identifies individual white cells, immediate feedback will be provided as to the correct identification. Karen plans to field test the program with senior medical technology students this spring, and the final version should be completed sometime this summer.

Construction to Begin on the Basic Sciences and Biomedical Engineering Building

Two very familiar buildings on campus, Botany and Zoology, were recently demolished in order to make room for the Basic Sciences and Biomedical Engineering Building. Construction is slated to begin in April on the seven-story, \$62 million state-of-the-art structure, with completion in October of 1996.

The building is scheduled to house laboratories and offices for the Departments of Cell Biology and Neuroanatomy, Pharmacology, Laboratory Medicine and Pathology, Biochemistry, and Physiology, as well as the Biomedical Engineering Program.



The design of the building is similar to that of the Hennepin County Government Center. In the center of the building will be a large atrium and a common service equipment area. On one side of the atrium there will be office space for faculty and staff, and on the other side, laboratories. Each floor will have its own conference/meeting room. There will be no class room space in the building. There will, however, be a large, multipurpose meeting room.

The laboratory side of the building is designed so that each floor is divided into quadrants. Within the boundaries of the quadrants, there are no walls. This will allow flexibility in the assignment of laboratory space. Currently, the plan is to quarter similar specialties together to facilitate use of shared equipment. Each laboratory space will have areas for wet lab procedures and storage.

Although we remember those old buildings fondly, time marches on. If you haven't had the opportunity to visit the corner of Church Street and Washington Avenue for a while, check it out. Things are changing on the U of M campus.

New Buildings on Campus

You either love it or you hate it! That seems to be the consensus of opinion regarding the new stainless steel-clad **Frederick R. Weisman Art Museum**, the most unusual of several new buildings that have sprung up on campus in the past few years. Located on the west edge of campus overlooking the Mississippi River, the museum is home to the University's permanent art collection and to traveling exhibits.

The **Mariucci Arena** is the magnificent new home for the U of M hockey team. With a capacity of 9,100, this is one of the largest college hockey arenas in the United States—a fitting salute to a sport that is a stalwart Minnesota tradition and to the Gopher hockey teams that have won so many championships and dazzled so many fans over the years.

For the first time, U of M women athletes have a place to call home—the new **Sports Pavilion**—a tribute to the great success of the women's teams at the U. Women's teams have drawn record crowds to Williams Arena and look forward to seeing even bigger crowds in this terrific new facility, which has a seating capacity of 5,700 fans.

Williams Arena (the "Barn") has been around for 70 years, showcasing Big Ten Golden Gopher basketball, volleyball, gymnastics, and wrestling to the cheers of generations of fans. Since renovation and remodeling, it's even better, featuring great spectator seating for the enthusiastic Gopher fans who will fill the stands in years to come.

The **Ted Mann Concert Hall** is acoustically one of the finest halls in the Twin Cities. It features performances by School of Music students and, during the 1993-94 season, is hosting a five-concert series by the St. Paul Chamber Orchestra. The hall is located on the West Bank, and overlooks the Mississippi River.

Students Paint Mural on Washington Avenue Bridge

As part of Welcome Week in the fall of 1993, Coffman Union sponsored an event which allowed organizations to paint interior panels on the Washington Avenue Bridge. Senior medical technology students, **Christine Passeri** and **Kim Douglas**, designed and painted a mural about medical technology. Christine said it took a only few hours and was lots of fun. She noted that the first time they painted the phone number it was wrong (interesting—since it was located right near the words accuracy and precision!!). Luckily, they checked the number (like good med techs), and the number was quickly changed. The mural is a great recruitment tool—thousands of students walk the bridge each day.

Vendors, Manufacturers, and Twin Cities Hospitals Show Their Generosity

The Division of Medical Technology is grateful to a variety of manufacturers, distributors, and institutions for their generous donations that enable us to expose our students to current methodologies and state-of-the-art technology. Teaching today's laboratory methods with limited budgets would be all but impossible without the generosity of many organizations.

Each year numerous vendors make donations of reagents, supplies, and equipment as well as personal time to our Medical Technology program. Instrument manufacturers have loaned demonstration equipment for student use in many areas. Local hospitals have also continued their long-standing support by donating their unused but functional equipment, supplies, reagents, controls, and unusual patient specimens or slides. These donations not only benefit our students, but give the manufacturers a chance to market their goods with those who will be making purchasing decisions in years to come.

Thanks to the following manufacturers, vendors, and institutions (and any we have inadvertently omitted) for their continued support. We look forward to a continuing relationship and will try to repay each with well-trained medical technologists of the future.

American Red Cross
Beckman Instruments Inc.
Becton Dickinson
Behring Diagnostics Inc.
Boehringer Mannheim Corporation
Coulter Electronics, Inc.
Curtin Matheson Scientific, Inc.
Divine Redeemer Hospital
Fairview Hospital
Fisher Scientific
Gamma Biologicals Inc.
Helena Laboratories

Hennepin County Medical Center
Hycor Biomedical Inc.
Kabi Pharmacia
Kallestad Laboratories Inc.
Miles, Inc.
R&D Systems Inc.
Sanofi Diagnostics Pasteur
SmithKline Beecham
Syva Company
University of Minnesota Hospital and Clinic
Veterans Affairs Medical Center
Whale Scientific, Inc.

Donna Wieb Retires as Administrative Director

Friends and coworkers said good-bye to Donna Fadden Wieb, Administrative Director of Laboratories, as she began her retirement from UMHC on June 30, 1993. Donna was honored at a retirement dinner at the Town and Country Club and at a reception in UMHC's Bridges Cafeteria.

Donna began her career at UMHC as a student technologist supervisor in the chemistry lab. She was promoted to senior medical technologist in chemistry in 1964, principal medical technologist in 1967, and in 1968 became Hospital Laboratories Administrative Director.

The laboratories have changed dramatically over the years. Under Donna's leadership, measurement systems

were established for determining productivity and workload units. The number of laboratories increased from 14 to 23 and currently occupy 78,552 square feet on 14 floors in 4 buildings (Mayo, Phillips-Wangensteen, Unit J and Jackson Hall). Personnel increased sevenfold (to 442 FTEs in 1992), the number of tests performed tripled (2.5 million in 1992), and the annual operating budget increased from approximately 1 million dollars to almost 40 million dollars. Lab Administration offices moved twice, and Donna reported to 9 different laboratory administrators during her years as Administrative Director.

We wish Donna the best as she enjoys retirement and thank her for 30 years of outstanding service to UMHC.

Medical Technology Alumni Society

The Medical Technology Alumni Society is as strong and as busy as ever. During 1993-94, it has provided the support and programs that the Division, its students, and alumni have come to expect—monetary contributions to the Division, laboratory tours for students, recognition of graduating seniors, and the annual Spring Meeting and Banquet.

Sales of *Laboratory Tested Recipes* have been going well. Thanks to all of you who have purchased the cookbook. Your support is greatly appreciated. Proceeds from the sale of the cookbooks will be used to establish a permanent scholarship fund for medical technology students. The cookbook is available at the Medical Technology office, from the Alumni Board members, and by mail.

The Alumni Society wishes to welcome two new board members, Phyllis Hanson Weiss and Jane Dunham Wenning.

Alumni Society Officers

Brian Lauber, President
Karin Rittgers Libby,
Secretary/Treasurer

Board Members

Fran Press Lebahn
Salli Hastings Clysdale
Eileen Leipus Rogers
Barbara Streifel
Nancy Mueller Coley

Billie Anne Herranen Juni
Jane Dunham Wenning
Phyllis Hanson Weiss
Karen Soderberg Karni, Ex-officio



Minnesota Alumni Association 90th Anniversary Celebration

Harvey Mackay, nationally syndicated columnist and author, will be the keynote speaker at the University of Minnesota Alumni Association's 90th Anniversary Celebration Tuesday, May 10, 1994, at 5:30 p.m. at the Gibson/Nagurski Indoor Football Complex, 600 15th Avenue SE, Minneapolis Campus.

Mackay, an alumnus of the University of Minnesota, is one of the nation's most sought-after speakers. His motivational message contains advice for business and for life. In addition to Mackay's presentation, photos and stories from the 90 years of the association will be displayed throughout the complex. Each of the 17 collegiate units will have reception areas, and the Division of Medical Technology has reserved one table for dinner. Tickets are \$30. Call 612-625-9490 to reserve a place for this entertaining and fun evening.

Allied Health Alumni Fall Event

Laugh for the "health of it" was Dr. Dale Anderson's advice to those who attended the annual fall program of the Society of Allied Health Professionals at Coffman Memorial Union on October 12, 1993. Following the dinner, Dr. Anderson presented his talk, "Laugh Your Way to Health and Happiness." Instead of two aspirin, Dr. Anderson is more likely to prescribe laughing twice a day as a way to relieve a backache. Watching a funny movie is also on the list of things to do for the health of it. Patients are advised to avoid the depressing evening news.

Next fall's annual meeting is being planned for early October. The program is not completely finalized, but the event will be held at the new Weismann Art Museum on campus and will include informal tours of the Museum. We hope you will be able to attend.

A New Name for ASMT



In June 1993, at its Annual Meeting in Washington, D.C., the American Society for Medical Technology approved the adoption of a new name for the professional organization. As of October 1, 1993, the name has officially changed to the American Society for Clinical Laboratory Science (ASCLS). The

need for a name change has been apparent for several years. With the many changes taking place in health care today, there has been a growing need for other health care professionals and the public to understand the role laboratory professionals play in health care. Because the

new name is a better descriptor of the profession, it will promote greater recognition of laboratorians, both in the public and professional arenas.

The term "clinical laboratory science" is not new. Numerous academic institutions now use this terminology as a department name and award degrees in Clinical Laboratory Science, rather than Medical Technology. In addition, the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) has used it for over 15 years. An organization's name provides identity and serves as a banner to the public and other professionals. ASCLS accurately reflects the scientific discipline of our profession.

Can You Help Us?

For the past several years, we listed the names and graduation dates of alumni with whom we had lost contact in the preceding years. Because the response has been tremendous, we are asking for your help again this year. If you know any of these individuals, or any other alumni who are not receiving *Tech's Talk*, and can supply us with a current address, please call or write to Lillian Sarkinen (address and phone number of the Medical Technology office are listed on the front page). Thank you for your assistance!

Elizabeth Quackenbush, 1979
Barbara Koziol, 1978
Barbara M. Pobig, 1974
Penny Paris Rogers, 1973
Marilyn Neubauer Lueck, 1971
Pamela Dunwell, 1967
Raija Salonen Oscarson, 1966
Sally Fischbach Carl, 1962

Carol Nelson Tiernan, 1960
Leonette Neslund, 1948
Donna C. Dahlquist Rustad, 1947
Carolyn Burwell Carnot, 1943
G. B. Williams, 1940
Gayette Clarkson Anderson, 1936
Kathleen Casey, 1936
Mavis Johns Nelson, 1936

If you have changed your address, please let us know so that we can continue to keep in touch. Many of you have been diligent in doing this because this year we are mailing nearly 2,050 *Tech's Talks* out of a possible 2,538 alumni.

Items From Previous Issues of *Tech's Talk*

1954 - A new course for laboratory aides has been set up in the General Extension Division under the direction of the College of Medical Sciences at the University. It is not intended that lab aides, who have six months study and six months practical training, will replace registered medical technologists. They will be placed in doctors' offices, small hospitals, and in large laboratories under supervision.

1964 - The first two students completed the new master's degree program in Medical Technology. Jennie Seaton did her thesis work in chemistry, and accepted employment at the University in the chemistry laboratory as a principal technologist. Sister M. Francis Regis chose blood bank for her thesis research area, and took the position of laboratory supervisor at a hospital in Streeter, Illinois.

1974 - The latest change in the educational program was an expansion of the affiliated hospital phase. Students can now elect to have their initial clinical experience in chemistry, hematology and microbiology at private hospitals or the University Hospital. The clinical facilities presently participating are: Fairview, Fairview-Southdale, Lufkin Laboratories, Methodist, Mount Sinai, North Memorial, St. John's and the Veteran's Administration Hospital.

1984 - Alumni support of the Medical Technology Fund of the University of Minnesota Foundation allowed the division to purchase a commercial size refrigerator and freezer, sensitivity disc dispensers, anaerobe jars, rotators and a videotape playback system and monitor for the student teaching laboratories. The Medical Technology Fund was featured in the *Profile for Investors*, published by the Foundation.

MSMT Spring Meeting to be Held May 4-6

The theme for this year's MSMT Spring Meeting, "Sharing our Heritage," reflects the fact that CLMA (Clinical Laboratory Managers Association) and the Minnesota Chapter of AMT (American Medical Technologists) are combining with MSMT for a joint meeting. The meeting, to be held May 4-6, has moved to the Earle Brown Heritage Center in Brooklyn Center because this setting provides more room and free parking.

The keynote address, "Current State of Health Care Reform," will be given by Dan McLaughlin, Administrator from Hennepin County Medical Center. Other seminar titles include: Minnesota Integrated Service Network (ISN) formation, customer service, forensics, a comparison of glucose monitors, tissue banking, immunophenotyping applications, personal safety, and many more. Workshops on cultural diversity, team synergy, and stress management, along with exhibits of the latest in services and product lines, help round out each of the three days. On Wednesday evening, May 4, a special session will feature such topics as CLIA 88 requirements and instrument selection for the clinic setting.

For more complete information or a registration brochure, please contact Larry Rothstein at 612-785-2307 or Tom Massmann at 612-731-2386, co-chairs of the Spring Meeting.

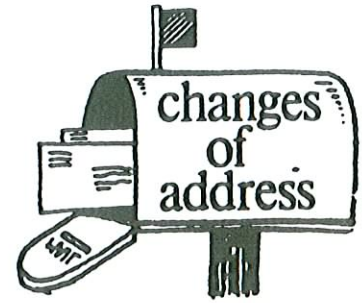


Let's Keep in Touch

Have you often wondered what has happened to the classmates you haven't seen since graduation? Once again, there will be a display at this year's Medical Technology Alumni Society Annual Banquet that will give attendees the opportunity to find out what our alums are doing.

Each year, the "Let's Keep in Touch" display is a big success at the Banquet. Please help us continue this tradition by contributing some personal information about your life since graduation. (Even if you sent information last year, please contribute again this year.) Submitted information will be displayed on bulletin boards at the banquet. Whether you can attend the banquet or not, we would like to hear from you.

It is not necessary to limit the information you submit to that requested on the form. Letters and especially pictures would be appreciated, and the pictures will be returned if you wish. Otherwise, we will place the photos in your student file. Yes, we still have a file on each of our graduates!



Please notify the Medical Technology office if you have an address change, so we can keep our records current for future mailings of *Tech's Talk*. Thank you for your assistance in this matter.

Name: _____ (_____) Year of Graduation: _____
Name while in school (if different)

Address: _____

_____ Phone Number: _____

Career Information: _____

Family Information: _____

Special Interests: _____

Please mail to: Division of Medical Technology
Box 198 UMHC
420 Delaware Street S.E.
Minneapolis, MN 55455-0374

Annual Banquet News

For Alumni and Friends

Join us at the Campus Club for this year's banquet. We also welcome friends and spouses.

Date: Monday, May 9, 1994
5:30 p.m. Social Hour (with cash bar)
6:30 p.m. Dinner with program to follow

Place: Campus Club
Coffman Memorial Union, Fourth Floor
University of Minnesota
Minneapolis, Minnesota

Menu:

- Roast Prime Rib of Beef au jus
or
- Canadian Walleye Pike Almondine

Salad, Vegetable, Potato
Rolls and Butter
Beverage
Dessert

Note: Tables are reserved for the honored classes: 1944, 1969, and 1994. For others who wish to sit together, we suggest you arrive a little early to meet your dinner mates and choose your seats.

Cost:

Alumni Association Members	\$20.00
Nonmembers	\$22.00
Seniors (Age 60 and over)	\$18.00

Program: *Reflections of a Microbiologist* by Karen Rittgers Libby, Senior Medical Technologist, class of 1969.

Special recognition will be given to the classes of 1944 (50 years), 1969 (25 years), and to the 72nd graduating class of 1994.

Deadline for reservations: April 30, 1994. Send your reservations in early because seating is limited.

*This is the only mailing that you will receive for the Medical Technology Alumni Society Annual Banquet.
Please mark your calendar, and return the reservation form below.*

Please reserve _____ places for me at the Medical Technology Alumni Dinner.

I enclose \$_____ as payment. Prime Rib of Beef _____ Walleye _____

Please reserve _____ seats for me at the 1944 table.

Please reserve _____ seats for me at the 1969 table. M.A.A. Member: Yes ___ No ___

Name (please print) _____ Class _____ M.A.A. # _____

Address _____

Make check payable to: Medical Technology Alumni Society

Mail by April 30, 1994, to: Division of Medical Technology
Box 198 UMHC
420 Delaware Street S.E.
Minneapolis, MN 55455-0374

Looking for your ideas



As regular readers of this publication are aware, the Division has been publishing this newsletter annually since 1947. We try to inform you of recent happenings within the Division and the Department, current trends in the profession, and to serve as a vehicle for alumni news. However, we would really like to know what the readers would like to see in future issues. Would you like more features about individual alums, more about the University as a whole, news from ASCLS or MSMT, less of anything?? We would greatly appreciate your feedback on recent issues and suggestions for future articles. *Tech's Talk* is really for you, and we need your input.

If you have any comments, or ideas for future issues, please fill out the section below and return it to:

Editor of *Tech's Talk*
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University of Minnesota
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420 Delaware St. S.E.
Minneapolis, MN 55455-0374

Division of Medical Technology
Department of Laboratory Medicine & Pathology
University of Minnesota
Box 198 UMHC, 420 Delaware St. SE
Minneapolis, MN 55455-0374

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