

Division of Medical Technology
 Department of Laboratory Medicine and Pathology
 University of Minnesota
 Minneapolis, MN 55455-0374
 612/625-9490
 FAX: 612/625-5901

TECH'S TALK

Editor: Helen M. Hallgren

Contributors:	Nancy Brunzel	Joanna George	Karen Karni	Lillian Sarkinen
	Doug Christie	Naomi Hanson	Fran Lebahn	Pat Solberg
	Salli Clysdale	Bob Jechorek	Karen Lofsness	Cheryl Swinehart
	Stella Cook	Billi Juni	Eileen Rogers	Carol Wells

Karen Lofsness Wins Horace T. Morse-Alumni Association Teaching Award



The Division of Medical Technology is pleased to announce that Karen Lofsness, assistant professor in the division, was selected to receive one of the University's most prestigious awards for teaching.

She was one of ten Minnesota faculty members to be awarded a Horace T. Morse-Minnesota Alumni Association Award for excellence in undergraduate education. Professor Lofsness was honored at a reception in May 1992, attended by President Hasselmo, members of the Board of Regents, faculty, friends, and family members.

Professor Lofsness earned her B.S. and M.S. degrees in Medical Technology from the University of Minnesota and joined the Medical Technology faculty in 1975. Since that time she has taught hematology to over 600 undergraduate and graduate students. She has also presented over 50 continuing education workshops in hematology to clinical laboratory professionals throughout the United States.

In the nomination dossier for the Morse-Alumni Award, Professor Lofsness was cited for her exceptionally organized classroom presentations and laboratory exercises. Letters of support from students and graduates included such phrases as: "displays the highest professional standards," "her enthusiasm about hematology is contagious," "concerned about students as individuals," and "an

excellent role model." Professor Lofsness was also cited for her innovative work in developing the game, "Clinical Laboratory Trivia," for which she and her colleagues received the Scientific Creativity Award from the American Society for Medical Technology. She also assisted in the development of the 25-minute videotape on bone marrow transplantation, "A Critical Decision," produced with the support of the Leukemia Society of America. This videotape is used throughout the country to educate the public about leukemia, describe bone marrow transplantation, and to allay prospective recipients' fears about the process.

The Morse-Alumni Award, for which over 3,100 faculty members at four campuses are eligible, is considered the highest University of Minnesota teaching honor. It has been awarded since 1966 to honor Horace T. Morse, the University's first dean of General College and a national undergraduate education leader. Recipients receive \$2,500 each year for three years, with an additional \$2,500 provided each year for three years to the recipient's department. Award winners also receive a limited edition, cast-bronze sculpture created by the late Katherine E. Nash, former University studio arts professor and 1975 Morse Award recipient. Fellow medical technology faculty members who have received the Morse Award include Karen Viskochil (1977) and Verna Rausch (1984). Along with Professor Lofsness, they have epitomized excellence in teaching undergraduates, a hallmark of the Medical Technology program at the University of Minnesota. Congratulations to a superb teacher!

A Message from the Director

This year, 1993, marks the graduation of our 71st class in medical technology. We are proud of the achievements of our graduates and hope you share in that pride--not only for medical technology, but the entire University as well.

Presently, the 1993 Minnesota legislative session is preparing the next biennial budget. As before, the University's requests are modest:

- a 3.5 percent inflation adjustment each year for the next two years;
- \$6.5 million a year associated with research grants to cover indirect costs. This money will help address the deferred maintenance problems, i.e., building repairs, that now total \$200 million;
- three small "Investment Initiatives," including \$1.2 million for the Consortium on Children, Youth, and Families.

Most of you are aware that in the last legislative biennium (1991-93) the University took serious cuts. What was the University's position two years ago?

- The University asked for no increased funding, only protection from further cuts.
- Yet the biennial budget was cut by \$43 million, and no state funds were provided for salary, utilities, or inflationary increases.
- The \$43 million base cut resulted in:
 - freezing faculty and staff salaries the first year,
 - increased tuition,
 - consolidating and eliminating programs,
 - eliminating more than 1,000 positions, and
 - closing the Waseca Campus.

In medical technology, retrenchment and reallocation have meant the loss of positions as faculty members have retired, and decreased resources for direct instruction. We have been forced to do more with less, and on most weekends, one can find our instructional staff at work--in their research laboratories, writing manuscripts, and developing educational materials in their offices. We are lean--very, very lean, and have been especially careful in the use of our allocations and alumni contributions.

Nevertheless, medical technology has maintained its status as the pre-eminent program in the country. The University of Minnesota has also maintained national prominence as one of the top 20 universities in the U. S. by:

- awarding 11,000 degrees last year;
- attracting \$273 million in research funds in 1991-92--seventh highest in the nation.

As one example, these research funds, not state tax dollars, created 6,000 jobs in the University and 4,000 more in the community.

What can you do to help this great University, as well as the program in medical technology? We ask you to contact your district legislators and ask their support for the University and its budget request. It is crucial that your letters or phone calls be made in early to mid-April. Between April 16 and 23, the higher education funding bills will be written.

The Minnesota Alumni Association has provided us with some guidelines for contacting legislators. They include the following:

- **Identify yourself.** Let the legislator or his/her staff know your name and town; explain that you are a constituent and a University alumnus.
- **Use proper titles.** When addressing legislators, refer to them as "Representative Smith" or "Senator Jones," unless you are well acquainted.
- **Identify your cause.** Tell your legislator that you are calling in support of the University's budget request.
- **Tell a personal story.** Let your legislator know why the University is important to you. Briefly explain what your education did for you. This is much more effective than trying to explain the University's request in detail.
- **Be patient.** If you must leave a message, give your name and phone number. Ask to be called back. And remember that, like all of us, legislators are busy people. They will return your call.
- **Be brief.** Be aware of time constraints and the pressures of very busy schedules.
- **Don't be awestruck.** Remember that legislators are regular people serving in an irregular role.

In summary, we ask your continued support of this University, knowing that one of the most meaningful ways of expression is through the citizen/political process. Please join us in this process to keep the University and the program in medical technology viable, stable, and still exceptional.

Sincerely,



Karen R. Karni, Ph.D., CLS, Director

P.S. Call your city/town hall for the addresses and phone numbers of your legislators.

New Scholarship Fund Established

The Division of Medical Technology is pleased to announce that it has received a \$10,000 contribution from the family of **Betty Rae Kramer McConnell**, class of 1945, to establish a memorial scholarship in her name. As with other scholarship programs, the money has been deposited in the Minnesota Medical Foundation. Interest on the principal will be used for scholarships for worthy students in the professional program.

Betty Rae Kramer was born in Rhinelander, Wisconsin, and graduated from Washburn High School, Minneapolis. Following her graduation in medical technology from the University of Minnesota in 1945, she worked with Dr. Max M. Wintrobe in hematology research in Salt Lake City. This was followed by employment in hematology at St. Luke's Hospital, San Francisco, and four years of hematology research at Stanford University Medical School. She and her family later moved to Phoenix, where she was the department head in hematology at Good Samaritan Hospital. Later she completed postgraduate course work at Arizona State University, Tempe, Arizona. She died in June 1992.

In correspondence with us, Mrs. McConnell's husband of 45 years, William G. W. McConnell wrote:

"It is my wish and that of our son, James, to establish a memorial to Betty Rae (Kramer) McConnell in the form of a medical technology scholarship. She was always so proud of the University and the training she received there. The knowledge, skills and techniques received by her in the Medical Technology Program reinforced her innate integrity and constantly emphasized the scientific method with its stress on observational skills.

In retirement she applied these skills and knowledge to her private studies of paleontology and geology that resulted in recent years in locating sites of skeletal dinosaur remains and tracks in an area supposedly devoid of such remains. Her volunteer efforts are noted by David Gillette in his paper published in December 1991 in the *Journal of Vertebrate Paleontology* about the recovery of a new sauropod and other remains in New Mexico."

On behalf of the students in medical technology, we thank the McConnell family for establishing this new and significant scholarship fund.

Peer Tutoring Program Initiated

This year's senior class is the first to participate in a new learning experience--the medical technology peer tutoring program. Several times each week, students meet to help each other study the demanding courses required in the senior year. These tutoring sessions are optional and informal--students are welcome to drop in whenever they wish (attendance is especially high right before exams). Since many of the sessions are held at noontime, participants often eat their lunches while they study together. Study sessions are led by student tutors, and faculty members do not attend.

Peer tutoring is not a new concept in education. However, undergraduate tutors are usually students who have successfully completed the courses being covered. The medical technology tutoring program is unique because the tutors are taking the courses at the same time as the students they help. Our tutors are hired to lead the sessions and help learners

improve their studying techniques, but they are not expected to be content experts.

The three senior students selected as tutors this year are **Pepin Devroy**, **Christie Haver**, and **Teresa Tangen-Hedlund**. Tutors are required to have a minimum grade point average of 2.8 on science prerequisites, and to make a commitment of one year. Tutor training is provided by the University's Learning and Academic Skills Center, and covers such topics as learning styles, tutoring techniques, cultural diversity, sensitivity, and confidentiality.

The peer tutoring program is now entering its third quarter. Response from the students has been favorable, and their academic performance appears to have been strengthened. The program was developed by **Karen Lofsness**, and is funded with monies she received as part of the Horace T. Morse-Alumni Award.

Medical Technology Annual Fund Drive

For fiscal year 1992 (July 1, 1991 - June 30, 1992), medical technology alumni and friends contributed \$16,398 to the program--the largest amount ever received by the Division of Medical Technology. Contacts were made both by phone and direct mail; responses received were 250 pledges by telephone and 201 by mail. Thus, there were a total of 451 donors; the average contribution was \$35. Fifty-six individuals contributed \$100 or more. We are pleased by the loyalty of so many of our alumni and friends.

This year, contributions to the Medical Technology Annual Fund have been used for the following purposes:

- purchase of a new incubator and refrigerator for microbiology in the teaching laboratories;
- purchase of two spectrophotometers for the chemistry teaching laboratories;
- purchase of a new FAX machine for the Division;
- purchase of instructional materials, including computer-assisted instructional units, for student use in the Biomedical Library;
- purchase of a new slide projector for medical technology seminars;
- partial support of student attendance at the ASMT annual meeting; and
- additions to the scholarship and loan programs.

Lest one thinks that our teaching laboratories have become as sophisticated as modern-day clinical laboratories, the truth is--they are not. The 1960s probably produced the best teaching instruments for present-day instructional use. We are still using osmometers built in the 1960s, the original Baird and IL flame photometers, as well as Büchler chloridometers. While we have replaced two of the original Beckman DU spectrophotometers, we continue to use two others. The reason--much current instrumentation retains and utilizes the same principles as those original instruments. The original models are much bigger, allowing easy access and visualization of their working parts. Thus, we have chosen to continue to use these "old" instruments even today because of their excellent educational value. Nevertheless, as new and innovative instructional methods and materials become available, we try to add them to our teaching program.

Our sincere THANKS to the following who have contributed \$100 or more in 1992:

Marilyn Jenne Coulter contributed \$1,000.

Mardie Geiser and Carl Rohwer contributed \$500 to \$999.

These individuals contributed \$100 to \$499:

Ruth Bienhoff Brauer
Marilyn Tucker Budge
Lorna Henderson Canfield
Kathleen Quast Carlsen
Marilyn Scovil Cavanaugh
Elise Andreassen Church
Frieda H. Claussen
Irma Koskella Coleman
Robert Dahl
Kay Draves
Dorothy Carlson Duffell
Mary J. Eaves-Raich
Grace Mary Ederer
Beverly J. Fiorella
Esther Freier
Mary Moriarty Galvani
Kathryn Hammer Glen
Mary Johnson Grewe

Helen Nordine Hallgren
Jean Houger Hengesbaugh
Janet Smith Hoef
Margaret C. Hovde
Karen Kloss Huff
Mary Lunzer and Todd Jacobson
Anna Nelson Jensen
Billie Anne Herranen Juni
Karen Soderberg Karni
Marilyn M. Klein
Dorothea Poppenberger Kryewinske
Karin Rittgers Libby
Karen Gates Lofsness
Barbara Goldbarg Melamed
Diane Olson Michalik
Aldora Loe Miller
Florence M. Misjuk
Mary Lou Garceau Mohn

Toni D. Okada
Jeanne Olsen
Elizabeth Hall Perry
Verna L. Rausch
Vincent Rogalski
Ruth Rosendahl
Shelly Lepisto Russ
Joanne J. Samuelson
M. Maxine Sanberg
Milicent Hane Schmidt
Mary T. Skupa
Ella Spanjers
Kathleen Moriarity Tekautz
Phyllis Hanson Weiss
Marie Wujcik
Mitsue Yanagita Yamaguchi
Kathryn Grave Zieske

We appreciate all of the contributions received, not only for their financial importance, but also for the many allegiances they represent.

Former Faculty Update

Many faculty members from the Medical Technology program have moved on from the University. What has happened to them? Where are they now? Since many of you fondly remember these instructors from your college days, we thought you might be interested in their current activities.

Donna Blazevic, professor in microbiology from 1965-1981, earned a JD degree from William Mitchell College of Law in 1981. She joined the firm of Bassford, Heckt, Lockhart, Truesdell and Briggs in Minneapolis, specializing in civil litigation.

Pat Hanauer Bordewich taught hematology in the medical technology program, and left teaching for a position in surgery research in 1971. She retired from the University in 1992. Pat lives in Golden Valley and, at the time this article was written, was leaving for a vacation in Italy.

Sandra Benson Carter moved to Toronto, Canada, with her husband Richard, after leaving the University in 1984. Sandy is currently working at the Michener Institute, a school that teaches medicine at the technical level. She is in charge of the word processing and print shop, which produces printed materials needed for the Institute.

Kathy Clayson is still working as an associate professor in chemistry (laboratory medicine) at the University of Washington in Seattle. She resides in Bellevue, Washington.

Mary Skerik Damron has maintained an active retirement since leaving the University in 1983. She is busy with many volunteer activities, and keeps up with changes in the profession. Mary still lives in south Minneapolis.

Grace Mary Ederer says she has put the same energy into her retirement activities as she did when she was working. Since her retirement 11 years ago, she has volunteered for a number of groups: her church, the College of St. Catherine, and free health clinics. She still keeps current in developments in the medical technology profession. Grace Mary lives in Edina.

Esther Freier remains busy within the profession, although she retired in 1991. This year she is the president of the Association of Clinical Laboratory Physicians and Scientists (ACLPS). Her major focus now is preparing for the national meeting of ACLPS in June at Yale University.

Kay Hammer Glen taught at the University of Illinois until 1978, after leaving the University in 1965. She worked as a research and development technologist at Northwest Community Hospital until her retirement in 1988. Kay currently resides in Vero Beach, Florida.

Dolores Gullickson Harvey and her husband, Rod, moved to Australia in 1986. After working there for a few years, they returned to live in Lake Elmo. Dolores still works as a teaching assistant for the laboratory medicine course. She is also busy with volunteer work at the Science Museum and at the Carpenter Nature Center, a raptor center, in Hastings.

Verna Rausch left the University in 1984. She is active in the American Association of University Women, records textbooks for the blind, and is a kindergarten through grade three science education volunteer. Golf remains a favorite pastime. Verna is currently living in south Minneapolis.

Lorraine Gonyea Stewart retired in 1984 and lives in St. Paul. She is very content living in Minnesota, where she keeps busy with her volunteer work, which includes the Minnesota Historical Society.

R. Dorothy Sundberg is currently dividing her time between her homes in Edina and Marco Island, Florida. Dr. Sundberg retired in 1984.

Karen Viskochil taught hematology from 1972 to 1980, and then joined R & D Systems, where she is currently executive vice president. During her tenure, R & D Systems has grown to include 200 employees.

Lila Wicklund Wengler taught immunohematology for several years, and then moved to Washington, D. C., where she supervised the outpatient blood bank and hematology laboratories at Veteran's Hospital. The Wenglers returned to Minnesota in 1968, and Lila still serves as a teaching assistant for the laboratory medicine course. Lila and her husband, Bob, live in Minnetonka.

Karen Karni Receives ASMT's Highest Honor

The American Society for Medical Technology's "Member of the Year" award was presented to Karen R. Karni at the society's annual meeting, held June 27, 1992, in Boston. This award, considered ASMT's highest honor, was given in recognition of her many outstanding contributions to our profession. For years, Karen has unselfishly devoted her time, talents, and energies to further the goals of our profession and its organizations.

The members of MSMT were proud to nominate her for this prestigious award and on the evening of the award announcements, anticipation was high among the Minnesotan delegation. We could not have been more excited and pleased when the announcement of her selection was made. Karen epitomizes the spirit and character of this honor, and we proudly offer her our congratulations!

Scholarly Works of Faculty

The faculty in Medical Technology, in addition to their excellence in teaching, are widely known for their scholarly contributions to science, medicine, and education. Several of our faculty support major research programs with funds obtained from the National Institutes of Health through a highly competitive process. Among these investigators are Professor Helen Hallgren who studies immune function in aged humans with grant support from the National Institute on Aging; Dr. Carol Wells, associate professor, who studies translocation of bacteria and the role of translocation in postsurgical infection with funds from the National Institute of Surgery, Anesthesiology, and Trauma; and Dr. Douglas Christie, associate professor, who investigates complications of transfusion therapy in leukemia patients with funds from the National Heart, Lung, and Blood Institute. In addition, Dr. Karen Karni, director and associate professor, has a training grant pending with the Public Health Service to provide three-week summer institutes to develop allied health scholars.

Complementing these important achievements, many of our faculty published research articles in peer-reviewed medical and scientific journals. Included among our recent faculty publications are the following:

"Screening for gene deletions and known mutations in 13 patients with ornithine transcarbamylase deficiency" by Peg J. Suess, Michael Tsai, Robert Holzknicht, Mia Horowitz, and Mendel Tuchman in *Biochemical Medicine and Metabolic Biology*.

"Characterization of platelet activation induced by HLA antibodies associated with alloimmune thrombocytopenia" by Douglas Christie, Denise Leja, Deborah Carlson, and Cheryl Swinehart in *Journal of Laboratory and Clinical Medicine*.

"Relationship of memory and naive T cell subsets to diminished influenza vaccination response in older adults" by John Degelau, James O'Leary, and Helen Hallgren in *Journal of American Geriatrics Society*.

"Evaluation of automated reticulocyte counts and their reliability in the presence of Howell-Jolly bodies" by Karen Lofness, Monica Kohnke, and Nancy Geier in *American Journal of Clinical Pathology*.

"Oral infectivity and bacterial interactions with mononuclear phagocytes" by Carol Wells, Brad Feltis, Deborah Hanson, Robert Jechorek, and Stanley Erlandsen in *Journal of Medical Microbiology*.

"Employment patterns and turnover among laboratory personnel: a twenty year study" by Karen R. Karni in *Journal of Allied Health*.

"Fundamentals of Urine and Body Fluid Analysis" by Nancy Brunzel, a textbook to be published this year by W. B. Saunders Co.

"Total protein in urine: review of methods" by Naomi Quast Hanson and Susan A. Fuhrman in *Core Analyte*.

Graduation Ceremony, 1992

The graduation ceremony for the 70th class in medical technology was held October 10, 1992, in the theater of the Minneapolis Student Union. **Sheila Clough**, president of the Medical Technology Student Council, began the ceremony with a welcome to graduates, their families and friends, faculty, and staff. **Dr. Michael Steffes**, professor, 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. She selected a comparison of the book, *Crescent Dragonwagons--Will It Be OK?*, with questions that students will face during their lifetimes. In *Crescent Dragonwagons*, a mother reassures her daughter that she will have the wherewithal to cope with life's toughest situations. Mrs. Cook likewise assured the graduates that their education and training at the University of Minnesota would provide them the skills to cope with the many circumstances they will encounter throughout their personal and professional lives.

The senior presentation, a slide show of students in their senior classes, rotations, and outside activities, was presented by seniors, **Jillene Collins** and **Jon Heil**. **Robert Jechorek**, scientist, announced several awards and scholarship recipients. The University of Minnesota Medical Technology gold pin was awarded to **Yvonne Stelberg** 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**, director of Medical Technology, 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 terrace of the Student Union. This was followed by a buffet dinner in the Campus Club, attended by many graduates, their families, and friends.

The class of 1992 included:

Mandana Abdollahpour, Tehran, Iran
Gail Elizabeth Anderson, Big Fork, Minnesota
Timothy J. Berg, *with distinction*, Minneapolis, Minnesota
Sheila Marie Clough, *with distinction*, St. Paul, Minnesota
Jillene Collins, American Falls, Idaho
Mary Pucel Frazee, *with distinction*, St. Anthony, Minnesota
Limijati Halim, Bandund, Indonesia
Diane Marie Heid, Pierz, Minnesota
Jon Heil, Madison Lake, Minnesota
Bonnie S. Koziol, *with high distinction*, Minneapolis, Minnesota
Stacy Lee, *with high distinction*, Albert Lea, Minnesota
Lori Anne Maus, *with distinction*, Brooklyn Park, Minnesota
Maria Corazon S. Nacionales, *with distinction*, Puerto Princesa, Philippines
Wendy Lee Oien, *with high distinction*, Andover, Minnesota
Kay Marie Sirianni, *with distinction*, Eau Claire, Wisconsin
Yvonne Stelberg, *with high distinction*, Eden Prairie, Minnesota
Aminu M. Wouba, Kumbo, Cameroon
Aliakbar Zarrin, *with high distinction*, Kermanshah, Iran
Paula Zwiefelhofer, Chippewa Falls, Wisconsin



Did You Know....???

The program in Medical Technology at the University of Minnesota started in 1923 (the first baccalaureate program in the nation) with a class of two students, and in the last 70 years has graduated 2,520 medical technologists.

Our Versatile Alumni

We have always known that our graduates are a talented group, but never realized how versatile they are until we compiled the results of our recent alumni survey. Because we devote so much space to laboratory and medical topics, we thought it would be interesting to report some of the nonmedical career stories of our alumni.

- **Elizabeth Buchan Whitley** (1943) was the president of Transceiver Centers of Iowa, Inc. for 20 years, and was also a board member of American Facsimile Systems Inc. in Dallas, TX.
- **Elaine Smythe Cressey-Ohlin** (1943) was president of the "2 for 1" Household Accounting Service from 1975 to 1981, and from 1979 to 1991 served as a director of a savings and loan company in Santa Barbara, CA.
- **Jeanne Jensen** (1952) is currently a free-lance technical writer, specializing in health-related articles. She recently moved from the Twin Cities to New Mexico.
- **Ruth Brown Anderson** (1960) is a district representative for Lutheran Brotherhood Financial Services in Millersville, PA.
- **Linda Osgood Schaefer** (1963) is the Chief of Information Resources Management (computer systems) for the Veterans Administration Medical Center, Newington, CT.
- **Joleen Stafford Miller** (1967) has worked as a travel agent for Sunbird Travel, Inc. for the past 10 years.
- **Elizabeth Grabowski Tsang** (1972) is working towards a master's degree in theology.
- **Mardie Geiser** (1973) lives in Ponce, Puerto Rico, where she is the owner and manager of her own business, King's Cream Ice Cream Store. From 1976-1983 she was an FAA air traffic control specialist in Minneapolis, Green Bay, and San Juan, Puerto Rico.
- **Barb Heideman** (1975) received a baccalaureate degree in chemical engineering in 1986, and is a senior process engineer with Diametrics Medical, Inc. in the Twin Cities.
- **Julie Prlina Blackburn** (1976) is a patent counsel for Revlon, Inc. in New York City. She earned her JD degree and practiced as a patent attorney for Hoffmann Laroche in Nutley, NJ, for four years before joining Revlon.
- **Susan Thoren Danisch** (1976) received a BS degree in chemical engineering in 1982, and is now a senior engineer in test method development with 3M, St. Paul.
- **Don Dubois** (1977) is the president of his own company, DeCentech, Inc., of South St. Paul.
- **Joan Stepanek Gustafson** (1981) is an accountant with Healthcare Decision Systems of Minneapolis.
- **Kimberly Russ Butler** (1982) of Chicago, is the Regional Marketing Manager of Horizon Mental Health Services.


Faculty Workload


Questions about faculty workload are being raised across the nation. Two years ago, the legislature requested the Higher Education Coordinating Board for information on faculty workload at all public postsecondary systems in Minnesota. In summary:


- Nationally, average workload for full-time faculty in 1988 was 53 hours per week.
- The average work week for University faculty is almost 57 hours.
- Faculty spend on average about 32 hours per week in instruction and instructionally-related activities. These include: classroom instruction, advising, curriculum development, preparation for and participation in graduate student exams, preparation for classes, course evaluations, and advising student organizations.
- Additionally, the University is the primary research institution in the state. Because of this important mission, most faculty are directly involved in research activities, usually with students learning how to perform research and publish their findings.

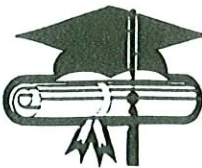
Student Demographics

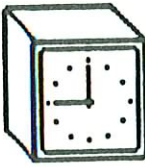
Here's a look at a demographic comparison between the 38,019 University of Minnesota students on the Twin Cities campus, based on fall 1992 enrollment, and students in the Medical Technology program. Overall University data were compiled by Ron Matross of Data and Reporting Services. Pat Solberg provided the information from the Division of Medical Technology for students in the 1992-93 professional program. You may find some of the comparisons interesting, and that some of the statistics regarding medical technology students are substantially different from a few years ago.

	<p>Age</p> <p><u>University:</u> Average is 25 for all students. For undergraduates, it is 22. 20% of all students are over 30. 8% of undergraduates are over 30.</p> <p><u>Medical Technology:</u> Average age is 26 at admission to professional program. 17% are over 30.</p>
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	<p>Home</p> <p><u>University:</u> 53% Twin Cities metro 15% Greater Minnesota 9% Wisconsin 12% other states 8% other countries 3% unknown</p> <p><u>Medical Technology:</u> 50% Twin Cities metro 24% Greater Minnesota 16% other states 10% other countries</p>
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	<p>Gender</p> <p><u>University:</u> 48% female students The breakdown: 49% undergraduates 48% new freshmen 55% new transfers 47% graduate students 47% professional</p> <p><u>Medical Technology:</u> 69% female students</p>
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	<p>Level</p> <p><u>University:</u> 64% undergraduates 25% graduates 6% professional programs 5% unclassified</p> <p><u>Medical Technology:</u> Have previous degree -- 2% master's degree 21% baccalaureate degree 14% associate degree</p>
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	<p>Credit Load</p> <p><u>University:</u> Full-time status 61% Part-time status 39%</p> <p><u>Medical Technology:</u> Full-time status 76% Part-time status 24% 62% have transfer credits</p>
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Linné and Ringsrud Author Third Edition of *Basic Techniques Text*

Basic Techniques in Clinical Laboratory Science, third edition, was published by Mosby Year Book in 1992. The authors, Jean Jorgenson Linné, B.S. and Karen Munson Ringsrud, B.S., therefore completed another phase of a project that has spanned over 20 years.

Linné (1958) and Ringsrud (1962) were working as instructors in the University's Medical Laboratory Assistant Program in the mid-sixties, when McGraw-Hill, Inc., Publishers, expressed interest in publishing a textbook based on teaching materials used for that course. *Basic Laboratory Techniques for the Medical Laboratory Technician* was co-authored by Linné and Ringsrud with support from Ruth Hovde and the Division of Medical Technology, and first published in 1970.

In 1979, the second edition, *Basic Techniques for the Medical Laboratory* was once again authored by these two U of M graduates and went on to sell over 35,000 copies. In 1988, Mosby Year Book purchased McGraw-Hill's Allied Health Publications section, and correspondence began once more to plan a third edition. *Basic Techniques in Clinical Laboratory Science* was released in December 1991.

More than the title and publisher have changed over the years. While still continuing to present the material in a basic but thorough manner, the third edition reflects changes in technology (e.g., immunoassays and automation), safety in the laboratory, quality assurance, and use of laboratory computers among other new topics. The book is now targeted for a wider audience.

In 1967 and 1968 respectively, Linné and Ringsrud joined the teaching staff of Dr. G. Mary Bradley for the Medical School's laboratory medicine course, and currently hold faculty positions. The time span of their educational achievements is revealed in the book's preface: "...We are thankful for the patience and support of our husbands, David Linné and Peter Ringsrud, and our children, who have gone from infants to young adults in the process of these three editions."

We congratulate Jean and Karen on their achievements, and thank them for their years of dedication in promoting clinical laboratory science.

The Gonyea-Stewart Scholarship and Loan Funds

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. Both funds were established for the exclusive use of students in the Medical Technology program. Students may utilize the Gonyea-Stewart Loan Fund to obtain short-term, emergency loans so that they may continue their education in a timely manner. Gonyea-Stewart Scholarships were awarded this year to five students: Carolyn Young, Syraphay Brown, Eric Grahek, Teresa Tangen-Hedlund, and Christie Haver.

The students and the Division of Medical Technology wish to express their gratitude to Lorraine Gonyea-Stewart for her generosity in establishing these two funds for students in the program.

The Yvonne C. Cooke Scholarship Fund

In 1990, Yvonne Chenoweth Cooke, a 1937 alumna of our Medical Technology program, established this scholarship to help deserving students complete the Medical Technology professional program. This year, 11 students: Sheila Clough, Cora Nacionales, Wendy Oien, Gail Anderson, Diane Heid, Lori Maus, Aliakbar Zarrin, Syraphay Brown, Eric Grahek, Teresa Tangen-Hedlund, and Christie Haver, were awarded Yvonne C. Cooke Scholarships.

We wish to express our appreciation to Yvonne C. Cooke for establishing this fund to assist medical technology students.

Medical Technology Faculty at International Meetings

This year, a number of Medical Technology faculty members presented or will present their research findings at international meetings. Among our participants are the following:

Karen Karni presented a poster session, "Employment patterns and turnover of laboratory personnel," at the 20th World Congress of the International Association of Medical Technology, held at Trinity College, Dublin, Ireland, July 26-31, 1992.

James O'Leary presented research work that he and collaborator, **Helen Hallgren**, have completed at the Weiner Symposium on Experimental Gerontology in Vienna, Austria, April 1992. Title of the presentation was "Relationship of altered T lymphocyte function and numbers of memory and naive T cells to health status in advanced age," reporting the results of immunization with the influenza vaccine. The data

compared the immune responses of young adults, extremely healthy older subjects, and nursing home residents.

Carol Wells will present a session, "Translocation of intestinal bacteria to extraintestinal tissues," at the Seventh Old Hernborn University Seminar: "The Interaction between the Intestinal Microflora and the Host Organism." This international meeting will be held in Hernborn, Germany, June 1993.

In July 1993, **Doug Christie** will present two research papers at the XIVth Congress of the International Society of Thrombosis and Haemostasis being held in New York City. One paper involves the human immune response directed against platelet antigens, and the other paper deals with the role of platelet activation antigens in serious side effects of transfusion therapy.

The Hovde-O'Brien Scholarship Fund

The availability of scholarship funds has become increasingly important because of rises in tuition and a decline in financial aid. The Hovde-O'Brien Scholarship Fund, administered through the Division of Medical Technology, provides scholarships exclusively for students in Medical Technology. The fund is named in honor of William O'Brien, medical director of Medical Technology from 1925-1939, and Ruth Hovde, professor and director of the Division of Medical Technology from 1964-1984. The number and amount of these scholarships vary from year to year, depending on deserving applicants and availability of funds.

Recipients of the Hovde-O'Brien Scholarships are chosen on the basis of academic scholarship, financial need, and future potential. This year, seven students: **Sheila Clough, Cora Nacionales, Wendy Oien, Gail Anderson, Diane Heid, Lori Maus, and Aliakbar Zarrin**, were awarded scholarships.

The Division of Medical Technology wishes to thank all alumni, faculty, staff, and friends who have so generously supported this fund and our students throughout the years. Contributions to any of the scholarship funds may be sent to the Division of Medical Technology, Box 198 UMHC, University of Minnesota, Minneapolis, MN, 55455-0374.

Laboratory Personnel Participate in Cost Containment Work Groups

The UMHC laboratories, as part of a hospital-wide effort to contain and reduce costs, became heavily involved in the development of the "UMHC strategic plan for cost containment" between September and December 1992. All clinical laboratories were involved, and most of the staff were engaged in some capacity. Laboratories were represented on hospital work groups dealing with hospital-wide issues. Some laboratory staff members also participated in developing containment ideas for laboratory-wide issues. Finally, staff participated in individual laboratory work groups, developing ideas for intra-laboratory operations.

Many of the groups continue to meet, and new groups are being formed as necessary, to place ideas into action and formulate new ones. The names of all participants are too numerous to list, but their contributions are extremely valuable for the future viability and efficiency of the UMHC clinical laboratories.

Alumni Survey: Results

Thanks to all 277 of you who responded to the alumni survey in the 1992 *Tech's Talk*. Members of the class of 1975 returned the most questionnaires (13), followed by the classes of 1967 (12), 1965 and 1976 (11 each). The majority of the responses (64%) were from Minnesotans, with 36% from outside the state. Many have held four or five different laboratory positions since graduation, and most (83%) began their laboratory careers in the state of Minnesota.

The bachelor's degree was the highest degree earned by most of the respondents (76%). Thirty-two people had obtained master's degrees, and 34 had earned doctorates, including MD, PhD, DVM, JD, and DDS degrees. As in the 1987 survey, 5% of our graduates became physicians, with pathology the most common specialty.

Of the current respondents, 61% worked full-time, 15% part-time, 3% were presently unemployed, and 21% had retired. The majority were staff technologists (43%), followed by laboratory supervisors/administrators (26%) and those in academia (9%). For those surveyed, total laboratory working experience averaged 17 years, and 17 people had actually worked in laboratories for 40 or more years. Most worked in specialty areas, with clinical

chemistry employing the greatest numbers, followed by hematology, blood bank, microbiology and coagulation.

As part of our 1992 survey, alumni were asked to select their "preferred" name for our profession. Results were as follows:

Clinical Laboratory Science	156 (58%)
Medical Technology	69 (26%)
Laboratory Science	36 (13%)
Medical Laboratory Science	4 (2%)
Medical Laboratory Technology	1
Laboratory Medicine	1
No response	10

It is of interest that there was almost an inverse relationship between year of graduation and preferred name—early graduates (from the 1930s and 1940s) selected the name medical technology, while later graduates voted for laboratory science or clinical laboratory science.

Information gained from alumni surveys is not only interesting to us, but is also essential when we need to respond to state and university administrators' requests for data. We appreciate the time you took to complete and return the surveys.

Medical Technology Alumni Society

Although we are now officially part of the Society of Allied Health Professionals, the Medical Technology Board and Society are "alive" and very busy. During 1992-93, we have actively supported the programs of the Division as we have in the past—dollar contributions to the Division, laboratory tours for students, recognition of graduating seniors, the Annual Spring Meeting and Banquet. This year we have worked on compiling a cookbook, *Laboratory Tested Recipes*. Our goal, from the sale of the cookbooks, is to establish a permanent scholarship fund for medical technology students.

Alumni Society Officers:

Brian Lauber, President
Nancy Mueller Coley, Past President
Karin Rittgers Libby, Secretary/Treasurer

Members:

Mary Ellen Schenk Anderson
Fran Press Lebahn
Salli Hastings Clysdale
John Roesler
Eileen Leipus Rogers
Barbara Streifel
Karen Soderberg Karni, Ex-officio



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 1943 (50th Anniversary)

*Rosemary Gunthrope Aas
Genevieve A. Arneson
Helen E. Ashenbrucker
D. Jean O'Donnell Blamey
*Geraldine M. Blotcky
Elizabeth Jennings Bradley
Ruth Maid Burkstrand
Carol Carlsson Carlsson
*Carolyn Burwell Carnot
Mariam Moorvitch Charney
Audrey Erickson Christenson
Elise Andreassen Church
Kathryn Stokes Conkle
Elaine Smythe Cressey
*Harriet Lamberg Daly
*Dorice Anderson Deschene
*Marguerite Donovan
Betty Bertie Erickson
*Viola Ferris Furumoto
Marilyn Nelson Gehrig

*Mary Louise Gouze
Ruth Marck Greenberg
Nancy Millard Gullings
Marjorie McClanahan Hager
Mary Boone Hasenfus
*Gloria Artimese Hatfield
Marjorie Copenharve Hawkinson
Dorothy Peterson Heald
*Joan Hayden Heisler
Jeanette Woodward Horn
**Mary Reed Johnson
Sophie Melzer Kaplan
Anne Starjash Kilbane
Doreen Hicks Lapeyrouse
Lorraine Levine Lilygren
Florence Novak Maepaa
*Vivian Martin
*Lois Johnston Matheson
Clarice Kochevar McWheter
Katherine Hessian Meehan

Sophie G. Melzer
Betty Andereson Mitchell
Virginia Dunn Neuerschwander
Gloria Getchell Oberg
Margaret Sturley Patchet
Ardis Wright Phillips
*Margaret Dietz Polta
**Gwenyth Owen Richardson
**Phyllis Rosander
Elsa Janda Rose
*Helen Safford
Dorothy Mickey Sellers
**Betty Tating Simonton
Laurine Schneider Speltz
*Sylvia Steel
Violet Hawkinson Swenson
*E. Susan Tricker
Catherine Hessburg Twomey
Elizabeth Buchan Whitley
*Jean MacConnell Vaughn

Class of 1968 (25th Anniversary)

Mary Schenck Anderson
Jeanne Graves Burke
Ann D. Claesgens
Sarah Hastings Clysdale
Katherine Charlton Cooper
Ellen Dorshow-Gordon
Mary Fredricks Engelbrecht
Leanna Gustafson Erickson
**Pamela F. Fabian
Miriam Smith Feshali
Susan Flor Gans
Joyce Englund Gunderson
Gail Litowsky Held
Mary Kalaher Herrmann
Cheryl L. Hultman
Mary Lunzer Jacobson

Carol K. Johnson
Lynn Nimmo Kelsey
Marilyn M. Klein
Paulette Smutka Kropp
George Kuprian
Kathryn Jensen Lambert
Jacqueline Gentile Landucci
Mary Hollenhorst Lazarus
Pauline Rude Lileng
Phyllis Nelson Maerchlein
Linda Smith Mikyska
Marina Pavuls Nelson
Toni D. Okada
Jeanne Olsen
Patricia Hess Park
Kathryn Hollanitsch Parranto

Virginia Vowles Pauling
Nancy Sahr Peterson
Mary Jane Eaves Raich
Rodney J. Sandberg
Linda Larsen Schwarze
Bonita Ferrian Scimeca
Pat Forester Seguin
Joanne S. Sinaiko
Sharon Miller Snyder
Michael D. Sinclair
Nancy Chellew Stanaway
Nancy Tofte Schmidt
Marcia Howser Wall
Kay H. Wolfe
Kathryn Rolfe Young

*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!

Yes, There Is Good News From The University!!!

Media attention in recent months has unfortunately focused on some of the more negative aspects of University management and policies. We would like to bring your attention to some changes which have not received quite as much publicity--improvements in the quality of education and service to the state provided by the University of Minnesota.

- 80 percent of all class sections had fewer than 30 students, compared to 75 percent in 1986.
- The University's largest class section in 1992 was 400, down from 1,069 in 1986.
- In the last five years, the average class section size has decreased by 13 percent to less than 22 students; 64 percent of all sections had fewer than 20 students.
- 6,000 students a year benefit from class sections added to address earlier problems of closed sections delaying student progress toward graduation.
- 75 percent of freshmen enrolled in fall 1992 met all of the University's strengthened preparation requirements; of those who did not, most lacked only one course. By contrast, only 17 percent of freshmen enrolled in 1986 met all the requirements.
- The average University of Minnesota faculty member brings in more than \$100,000 per year in grants and contracts for research and training; that's more than twice the cost of the average faculty member's salary and fringe benefits.
- Over the last five years, patents issued to faculty members ranked the University of Minnesota sixth among all U. S. universities, public and private. More than 100 new technologies have been licensed, and 21 new companies have been started as a result of University of Minnesota inventions.
- University faculty members were awarded \$273 million in grants and contracts from government, industry, and foundations last year; that money added 5,000 to 6,000 jobs to Minnesota's economy. And, the University is a national leader in providing more than 300 *undergraduate* students with opportunities to participate in research projects.
- The University Hospital admitted more than 14,000 Minnesotans last year, and its clinics provided outpatient services to almost 230,000 Minnesotans, from all 87 of Minnesota's counties.

Some Facts About the University

Enrollment 1992-93:

	<u>Twin Cities</u>	<u>Total</u>
Undergraduate	24,352	34,158
Graduate	9,381	9,756
Professional	2,270	2,377
Other/Unclassified	<u>2,016</u>	<u>2,652</u>
Total	38,019	48,943

Continuing Education and Extension: 20,000
(estimated)

1991-92 Degrees Granted: 11,000

Budget 1992-93:

	<u>Dollars</u>	<u>%</u>
State Appropriation	\$435 million	28%
Tuition	172 million	11%
Federal Funds	230 million	15%
Hospital Revenue	318 million	20%
Auxiliary Operations	220 million	14%
Private & Other	<u>197 million</u>	<u>12%</u>
Total	\$1,572 million	100%

University Hospital Laboratory Newsmakers

Connie Lien Adams, blood bank medical technologist, was elected vice president of the Minnesota Association of Blood Banks (MABB) at their annual meeting, fall of 1992. As vice president, she will serve as chair of the program committee for the 1993 MABB meeting.

Susan Leszko Fautsch, blood bank senior medical technologist, has been invited to speak on General Quality Control at the AABB sponsored symposium "Stem Cell and Marrow Processing for Transplantation Review and Update," March 1993 in Tampa, Florida. She will also present a workshop on Autologous Bone Marrow Processing at the University of Michigan Blood Bank Symposium, June 1993. **Susan and Elizabeth Perry, M.D.**, assistant medical director of blood bank, will present an ASCP Teleconference on Transfusion Service Support of the Bone Marrow Transplant Patient in June of 1993. They also presented a workshop, "Irradiation of Blood Products," at the MABB meeting in September 1992. Their abstract, "Microbiology Cultures for Quality Control in Bone Marrow Processing," was presented at the AABB Annual Meeting in 1992.

Joanna George, laboratory manager of the laboratory medicine and pathology teaching laboratories, is serving on the Minnesota Association of Blood Banks 1993 Fall Meeting Program Committee.

Patricia Gill, senior laboratory technologist in the clinical virology laboratory, has been selected to receive the 1993 Scherago-Rubin award presented by the American Society of Microbiology (ASM). The award, which consists of \$1,000 and a certificate, is given in recognition of her outstanding achievements. Patricia is first author of an abstract to be presented at the ASM General Meeting in Atlanta entitled "Evaluation of Human Herpesvirus-6 IgG Antibodies in Solid Organ Transplant Patients with Cytomegalovirus Viremia."

Kathleen Hansen, administrator in clinical chemistry, is serving her second year of a three-year term as Region V Director of the American Society for Medical Technology, representing Minnesota, North Dakota, South Dakota, and Wisconsin. She will be attending spring conventions in each of the four states, giving issues presentations and updates on the national ASMT organization.

Clareyse Nelson, blood bank laboratory administrator, is a member of the Information Systems Committee for the AABB, and also serves as co-director of the AABB Hospital Chief Technologists Forum. She is also a member of the Professional Affairs Committee for the American Society for Medical Technology.

Jackie Nelson, medical technologist in the drug analysis laboratory, is chair of the UMHC laboratories' Continuing Education Committee. The committee is made up of one or two representatives from each clinical laboratory, who rotate the responsibility for selecting one topic per month to be presented to laboratory personnel.

Kay Nelson Olson, laboratory manager in chemistry, started her term on January 1, 1993, as chair of the Midwest Section of the American Association of Clinical Chemistry.

Robert Sastamoinen, systems analyst in laboratory information services, was elected president of the Minnesota Association of Blood Banks for 1992-93.

Alice Reineke, UMHC chemistry senior medical technologist, was elected treasurer for Region V of the American Society for Medical Technology.

Michelle Rieger, a sophomore premedical technology major, is a member of the University's women's gymnastics team. Her specialty is the balance beam. She was pictured in the February 15, 1993, issue of *The Minnesota Daily* in a competition against The Ohio State women's gymnastics team. Michelle is from Atlanta, Georgia, where her mother is a medical technologist-hematologist specialist at St. Joseph's Hospital, Atlanta.

"Evaluation of a New Sodium Ionophore Slide for the Kodak Ektachem 700 Analyzer" was the title of a poster session given at the July 1992 meeting of the American Association of Clinical Chemistry. Several chemistry laboratory staff were involved in the data collection and writing of the poster: **Chris Senn**, laboratory manager; **Judy Moriguchi**, senior medical technologist; **Linda Wessels**, senior medical technologist; **Alice Reineke**, senior medical technologist; and **Esther Freier**, professor.

Karni Completes Single Quarter Leave

Karen R. Karni, director of the Division of Medical Technology, completed a single quarter leave, fall of 1992, in which she visited four nationally acclaimed universities to study the administrative structures and leadership styles of the allied health colleges found within these universities. Included among these schools were the University of Illinois at Chicago, Thomas Jefferson University (Philadelphia), the University of Alabama at Birmingham, and the University of Wisconsin at Milwaukee. Karni interviewed key administrators, department heads, and faculty; attended university and collegiate functions with the Deans; and acquired information on resources including budgets and facilities. In all of these settings, she noted the collegiality, energy, and respect for allied health and the individual programs within allied health. She concluded that successful allied health units, such as those at the above universities, have the following components:

- a vision for allied health;
- communication of that vision;
- growth as an essential ingredient to the energy and the vitality of each unit;
- the establishment of partnerships within and outside of allied health;
- resources to attain the above.

The University of Minnesota provides one-quarter sabbatical leaves for tenured or tenure-track faculty to explore new approaches to research, teaching, and service. Dr. Karni completed her leave in association with her duties and responsibilities as an allied health liaison (representing dental hygiene, medical technology, mortuary science, occupational therapy, and physical therapy) to a number of university committees, and as the University's representative to the national organization, the Association of Schools of Allied Health Professions.

Kathryn Zieske Retires

After many years of service to the University of Minnesota, Kathryn Grave Zieske retired in June 1992. Kathy worked in special hematology and also taught morphology to hundreds of medical technology students and pathology residents. She received bachelor's degrees from both Carleton College and the University of Minnesota, and her master's degree in anatomy from this University. Together, she and Dr. R. Dorothy Sundberg developed the hematology morphology course which had been originally presented by Dr. Hal Downey.

Kathy was a patient and encouraging teacher who was always willing to share her knowledge with students and colleagues. Her expertise in morphology is already missed by those who worked with her. We thank her for her innumerable contributions to the University and to the development and presentation of its highly regarded hematology courses.

Kathy and her husband, Dick, plan to continue traveling, particularly to Arizona and Florida.

In a Lighter Vein

Can you solve this puzzle relating specific numbers to common phrases, expressions or units? The first one has been done for you. Answers are found on page 22.

- | | | | |
|---------------------|-----------------------|------------------------|-------|
| a. 5 = T. on a F. | <u>toes on a foot</u> | f. 11 = P. on a F. T. | _____ |
| b. 360 = D. in a C. | _____ | g. 9 = P. in the S. S. | _____ |
| c. 100 = C. in a M. | _____ | h. 8 = S. on a S. S. | _____ |
| d. 1001 = A. N. | _____ | i. 18 = H. on a G. C. | _____ |
| e. 24 = C. in P. G. | _____ | j. 3 = S. in a T. | _____ |

MSMT and The University Connection

University graduates and employees have traditionally been active in state and national professional association activities. Among those serving the Minnesota Society for Medical Technology in 1992-93 are:

Judith Morrisette Grout, President Elect
Mary Motsko Beech, Secretary
Debbie Notto, Membership Development Co-chair
Debra Rodahl, Government Liaison and Key Contact Coordinator
Kathy Hansen, Bylaws Liaison and Executive Secretary
Karen Soderberg Karni, Professional Affairs and Long Range Planning
Cheryl Kraft, Laboratory Administration Liaison
Eileen Leipus Rogers, Immunology/Immunohematology Liaison
Janice Hodnefield, Hematology Liaison Co-chair
Jan Fauks, Industry Liaison
Alice Reineke, File Custodian and Finance Committee
Liz Kirker Bixby, P.A.C.E. (continuing education)
Jane Dunham, Student Task Force

We salute all of these individuals for their contributions to the advancement of the clinical laboratory science profession.

MSMT Spring Meeting

The theme of this year's MSMT Spring Meeting is "It's About Time." This theme reflects the evolution of the role of the laboratorian, including forecasts and preparations for the future. The meeting will be held in the Radisson Hotel Metrodome in Minneapolis from May 12-14, 1993. The program includes a mixture of exhibits, seminars, business meetings, and social events. Seminar speakers have been invited to present a variety of scientific as well as pertinent political topics. For example, seminar titles include: "Cardiac Enzymes," "Prenatal Testing," "CPT Coding for Laboratories," "Dealing With Difficult People," "Current Issues in Biomedical Ethics," and "State Licensure." The keynote address on the history of ASMT/MSMT, "Minnesota's Legacy to Laboratory Science," will be delivered at the opening session by Karen Karni. One of the meeting highlights will be a presentation by the Honorable Senator James Vickerman on Minnesota Care legislation.

The primary social event this year is a trip to the Mall of America, including a guided 45-minute walking tour and a coupon book worth \$20. Those who have not received information about this meeting can contact the chairperson, Jean Bauer, at 612/221-8536 (FAX: 612/221-2741). She will be happy to send you a program and registration brochure. We hope you will join us!

Can You Help Us?

For the past three years, we have 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!

Marilyn Wolters Pennington, 1985
Michael Newell, 1982
David Ajiboye Ojo, 1980
Pamela Hovland, 1978
Steven Lang, 1978

Marsha Berndt, 1977
deMette Spainhour, 1977
Thomas A. Lohstreter, 1975
Mindy Einarson, 1974
Jane Hansen Richardson, 1972

Daniel A. Schulte, 1972
Roberta Carlson Wolden, 1958
Eleanor Harvey Duerr, 1955
Maxine Jones Nelson, 1947
Vivian Bengstom Wooden, 1939

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 over 2,000 *Tech's Talks* out of a possible 2,520 alumni.

Medical Technology Welcomes Dr. Michael Tsai

This fall, the Division of Medical Technology welcomed Dr. Michael Tsai, associate professor, as the clinical chemistry course coordinator. Dr. Tsai is no stranger to the University of Minnesota or the Division of Medical Technology. He began teaching clinical chemistry on a limited basis approximately four years ago. With the departure of Dr. Larry Bowers, Dr. Tsai was named course coordinator.

Born in Hong Kong, Dr. Tsai completed his undergraduate and graduate work at the University of Wisconsin-Madison in 1975, and came to the University of Minnesota that same year. Dr. Tsai was named director of the Biochemical Genetics

laboratory in 1977 and director of the Lipid laboratory in 1985.

In addition to his clinical responsibilities, Dr. Tsai has been involved in research investigating inborn errors of metabolism, i.e., disorders traceable to a single gene or point mutation. He and Dr. John Eckfeldt have been awarded a grant titled "Family Genetic Basis of Cardiovascular Disease," to study the genetic defects of apolipoproteins that increase the risk of cardiovascular disease.

Mike and his wife, Yusheng, and their two children, Pamela, 13 and Alex, 6, live in Eden Prairie.

Representative Pat Schroeder to be Featured Speaker at U of M Alumni Association Meeting

The Annual Meeting of the University of Minnesota Alumni Association will be held Monday, May 10, at the Bierman Field Athletic Building, Minneapolis Campus. Featured speaker is Pat Schroeder, class of 1961, senior congressional representative from Colorado. For the past 20 years, she has been making her mark on the U. S. Congress. Come and hear what she has to say about the University and running the country.

Join us and at least 1,500 other alumni for the reception, dinner, and program. Tickets are \$35 per person, and dinner will be catered by the Radisson Hotel Metrodome. Call the Medical Technology Office at 612/625-9490 to reserve early--tables are allotted on a first-come first-served basis. Last

year, there were five tables reserved for allied health alumni.

From those who have previously attended the University Alumni Annual Meeting, we have heard these comments: "The people watching is great!" "Garrison Keillor was terrific as the featured speaker in 1992, as was August Wilson in 1991!" "The predinner reception, with displays from various University units, shows the strength and diversity of this fine institution." "The alumni pep band brought back memories of Memorial Stadium, Mariucci Arena, Homecoming, as well as renewed pride in the University."

Please join us for a wonderful evening.

Allied Health Alumni Fall Event

The Alumni Society of Allied Health Professionals held its second annual program and reception on October 21, 1992. Like the Society itself, this event is young and growing. The Campus Club created a beautiful buffet for our dinner. Maroon and gold balloon bouquets testified to great school spirit. (Each year this author suggests an appearance by Goldie or by a small pep band playing the *Rouser*. But, alas, the more dignified views of fellow planners have prevailed.)

The speaker this year was Timothy Blade, an associate professor in the Department of Design, Housing and Apparel and decorative arts curator

for the Goldstein Gallery on the St. Paul Campus. His presentation was titled, "No Time for Mourning." Although he usually teaches courses on the history of American furniture and introduction to design, Dr. Blade admits that death has become a large part of his life's work. He has written and lectured extensively on the objects, symbols, customs, and attitudes that surround death and dying. Admittedly a little off-beat, participants thought it was a fascinating program.

Planning is underway for the 1993 Fall event. Once again, we are aiming for an evening of food, fellowship and FUN. Hope to see you there!

Laboratory Cookbook Available

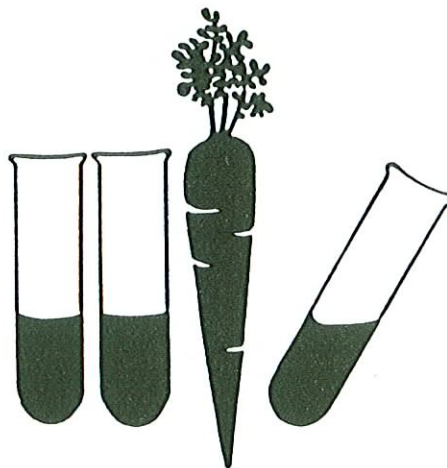
One year ago we asked you to send us recipes to put into a cookbook that the Medical Technology Alumni Society could sell as a fund-raiser. You responded exceedingly well, with over 350 recipes, and we thank you! Soon *Laboratory Tested Recipes* will be a cookbook to read and enjoy, to cook from, and to give as a gift.

This cookbook will be fabulous! Recipes number 377, plus numerous helpful hints. Nancy Coley's deft drawings enhance a delectable balance between the kitchen and the laboratory. Fran Lebahn, alumna and expert in fine cuisine, served as editor-in-chief. You will want a copy of this unique cookbook.

We expect the cookbook to be ready for sale in May of this year. It will be available in the Medical Technology office, from Alumni Board members, and by mail. If you mail the attached order form with payment, cookbooks will be sent as soon as they are available.

The sale of *Laboratory Tested Recipes* will officially begin at the Spring Banquet, May 11, 1993, and at the MSMT Spring Meeting, May 12-14.

LABORATORY



TESTED RECIPES

Laboratory Tested Recipes

Cookbook Mail Order Form

Name _____
please print

Address _____

City _____ State _____ Zip _____

Price per cookbook	\$12.00
Postage/handling	<u>2.75</u>
Total per cookbook	\$14.75

How many copies? _____ x \$14.75 = Amount enclosed _____

Make checks payable to: Division of Medical Technology (In memo section of your check, note "cookbook")

Send orders and payment to: Fran Lebahn
2281 Edgcumbe Road
St. Paul, MN 55116

Layman's Medical Dictionary

Bacteria	Back door to the cafeteria
Barium	What doctors do when treatment fails
Bowel	Letter like A, E, I, O, or U
Cesarean section	A district in Rome
D & C	Where Washington is
Enema	Not a friend
Labor pain	Getting hurt at work
Morbid	Higher offer
Nitrate	Cheaper than day rate
Pap smear	Fatherhood test
Prostate	Flat on your back
Rectum	Darn near killed 'em
Seizure	Roman emperor
Terminal illness	Sickness at the airport
Urine	Opposite of "you're out"
Vein	Conceited

The Brick Report

The University of Minnesota Alumni Association reports that the sale of bricks from Memorial Stadium ended December 15, 1992, with a grand total of 3,573 bricks sold. Approximately \$52,000 from the proceeds will be donated to the University Student Scholarship Fund.



Cheryl Swinehart and Patricia Solberg Win Scientific Creativity Award

Cheryl Swinehart, assistant professor, and Patricia Solberg, administrative associate within the Division of Medical Technology, were presented the Scientific Creativity Award by the American Society for Medical Technology at its 60th Annual Meeting in Boston, June 27, 1992. Swinehart and Solberg developed the computer-assisted program, "Lab Calc," to instruct entering medical technology students in basic laboratory calculations. The development of Lab Calc was an outgrowth of curriculum revision within Medical Technology and the incorporation of an introductory course in basic

principles and techniques in laboratory science. Lab Calc allows students the opportunity to complete the program at their own pace and within their own time framework.

Swinehart and Solberg previously won a MinneMac grant from the University of Minnesota to develop the Lab Calc program, which has been praised by students for its clarity and convenience. The MinneMac grant included provision of a Macintosh IICI computer, valued at \$3,500.

Items from Previous Issues of *Tech's Talk*

1953 - Clinical chemistry was the topic for the annual refresher course for medical technologists, sponsored by the University of Minnesota continuation center. The course had an enrollment of 98, including technologists from Montana, North Dakota, Iowa, Wisconsin, Nebraska, and Canada. Other refresher courses were held during the year in Little Falls, Hibbing, Mankato, and Crookston.

1973 - The Golden Anniversary of the Medical Technology program at the University of Minnesota was celebrated with a continuing education course. The sessions were attended by 135 individuals, and the annual banquet was attended by 250 alumni and friends. The original class of 1923 had two students, Kathryn Frances Stahmann and Marjorie Knowlton.

1963 - The first two students, Sister Danile Kiley and Evelyn Bergh, completed the new master's degree program in Medical Technology. A survey of graduates from the undergraduate program revealed that U of M medical technologists were practicing in 32 other states and 4 foreign countries. Only 41% of all graduates replying to the survey were currently working; 77% full-time and 23% part-time. Most were employed in hospital laboratories, and the median salary ranged from \$4,500 to \$6,000 per year.

1983 - Ruth Hovde, director of the Division of Medical Technology, received an honorary doctorate degree from Thomas Jefferson University. She was the first medical technologist in the country to be so honored. The Division moved to its new office space on the 15th floor of the Phillips-Wangenstein Building. An open house was held to celebrate the occasion, with more than 400 visitors coming to express their good wishes.

Lori Maus Named to NCA Board of Directors

Lori Skrove Maus, a 1992 honors graduate in Medical Technology is currently serving as the Clinical Laboratory Technician (CLT) representative on the Board of Directors of the National Certification Agency for Medical Laboratory Personnel (NCA). The NCA Board of Directors holds two meetings in the Washington, D.C., area each year. At Lori's first meeting, she was assigned to a task force to evaluate the transferability of international laboratory science curricula.

College in 1989. While at North Hennepin Community College, Lori was president of the Honor Society as well as a member of the Phi Theta Kappa Honor Society. At the University of Minnesota, she was awarded a Hovde-O'Brien Scholarship. She graduated "with distinction," which is defined as a grade point average greater than 3.0 (A=4.0).

Prior to earning her bachelor's degree, Lori was certified as a CLT by NCA; she received an associate of arts degree from North Hennepin Community

Lori is currently employed at Group Health, Inc., where she has worked for seven years, both full and part-time. The Division of Medical Technology congratulates Lori on achieving this honor.

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!

- Answers to puzzle on page 16
- a. toes on a foot
 - b. degrees in a circle
 - c. centimeters in a meter
 - d. Arabian nights
 - e. carats in pure gold
 - f. players on a football team
 - g. planets in the solar system
 - h. sides on a stop sign
 - i. holes on a golf course
 - j. sides in a triangle

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: Tuesday, May 11, 1993
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: • Chicken Kiev or
• Filet Mignon with Mushroom Cap or
• Pacific Salmon in Dill Sauce

Salad, Vegetable, Potato
Rolls and Butter
Beverage
Special Dessert--from Alumni Cookbook

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

Program: A panel from the class of '68: *We All Went to the University--Did We All Turn Out the Same?*

Special recognition will be given to the classes of 1943 (50 years), 1968 (25 years), and to the 71st graduating class of 1993.

Deadline for reservations: April 30, 1993. Send your reservations in early because seating is limited.

Note: Tables are reserved for the honored classes--1943, 1968, and 1993. For others who wish to sit together, we suggest you arrive a little early to meet your dinner mates and choose your seats.

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. Chicken Kiev _____ Filet Mignon _____ Salmon _____

Please reserve _____ seats for me at the 1943 table.

Please reserve _____ seats for me at the 1968 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, 1993, 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 ASMT 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*
Division of Medical Technology
Box 198 UMHC
University of Minnesota
420 Delaware St. S.E.
Minneapolis, MN 55455-0374

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

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