



A Russian woman served tea between periods to members of the Bulldogs' hockey team during a game in Leningrad. The team along with almost 100 fans traveled to Russia in December for a week-long visit, which included two games. See story and photos, pages 6-7.

The University of Minnesota Duluth

BRIDGE

Winter

For Alumni and Friends of UMD

1985

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MARCIA BEVARD-KULICK

The University of Minnesota Duluth Bridge

page 1

Proving there's life after a wheelchair

by Shahla Rahman

Marcia Bevard Kulick is an outstanding young woman and that is official.

Bevard-Kulick, a graduate student in health education at UMD and a wheelchair athlete who competes nationally and internationally in marathons and disabled swimming events, was honored as one of 10 Outstanding Young Women of America in ceremonies held recently in Washington, D.C.

The prestigious honor was awarded her by the Advisory Board of Outstanding Young Women, who selected Bevard-Kulick from a pool of 39,000 applicants from every state in the country.

In characteristic fashion the effervescent and always smiling athlete keeps the tremendous honor in perspective. "I don't consider myself a celebrity. I see myself trying to struggle along. I've had some good breaks, and I have always wanted and been willing to share those breaks with people in the community," she explained. "If other people view me as a celebrity, that's fine, as long as they don't put expectations on me I wouldn't put on myself."

However, almost no one will argue with the fact that Bevard-Kulick's accomplishments have exceeded even the highest expectations.

Her list of honors is long, the list of her record-setting athletic achievements, even longer.

Bevard-Kulick grew up in Kingman, Kan., where she was working as a dental assistant and was going to school at night. Always active in athletics, she was involved in numerous sports including skiing, motorcycling, and bicycling.

However, her life was to undergo a dramatic change, when in 1977 at the age of 23, she broke her spinal column in a motorcycle accident in Denver. That left her without the use of her legs.

How did she get the strength to go on? Bevard-Kulick said her mother had so much confidence in her abilities, it gave her the strength and confidence to get on with her life.

"The accident gave me the opportunity to change my life if I wanted—and I did," she said. "Within a month after the accident, I knew that there was life after a wheelchair and that I was going to go on."

And go on is what she did. Bevard-Kulick moved to Denver in 1978 and attended a community college where she became involved in recreational activities and later athletic competition.

In 1980 she moved to Duluth and began taking classes at UMD to pursue a degree in therapeutic recreation.

Her athletic achievements began in 1979 when she first competed in the World Games for the Disabled, where regional winners proceed to the national level, and national winners go on to the international games. That year she made it through the regionals to the nationals, where she finished second in a front free-style swimming competition and set a national record in the backstroke event.

Since then she has won dozens of competitions at the regional, national, and international level, and has set many world records. Her many achievements have included seven gold medals at the 1981 International Wheelchair Olympic Games in England, where she set a world's record in swimming.

She won four gold medals at the National Wheelchair Games in Seattle in 1981 where she set three national records in swimming events. In 1982 she represented the USA in international competition at the Pan-American Wheelchair Games in Nova Scotia, where she won nine first place medals—seven of which were Pan-American records, and three of which were world records in swimming competition.

In 1983 she set a world record at the France-USA dual swim meet in Bordeaux, France, where she broke her own world record in the 100 meter backstroke event. In 1984 she set three unofficial world records at the National Wheelchair Games in Johnson City, Tenn. Last July she competed in the Seventh World Wheelchair Olympic Games in England and won six gold medals, four of which were new world and Olympic records.

She is a former national record holder in Florida's Orange Bowl Marathon, placed third in the wheelchair division of the Boston Marathon in 1980, and won first place in the wheelchair division of Grandma's Marathon in Duluth.

She has appeared on the NBC-TV "Today Show,"

ABC-TV's "That's Incredible" series and on the national "PM Magazine" show. She has received countless awards and honors and was named one of *Glamour* magazine's "Top 10 College Women" in 1983.

This summer and fall also marked four big events in Bevard-Kulick's life. She competed in the Olympic games in England, got married to John Kulick, handicapped services advisor at UMD, and saw her husband get his doctoral degree from the Brant Ridge Forest College in Sussex, England.

Bevard-Kulick herself graduated from UMD cum laude this November with an interdisciplinary degree in therapeutic recreation. "It is very nice to finally be able to say 'I did it,'" she says of her graduation.

How did she do it all? Bevard-Kulick said it required "a lot of time management skills and an almost non-existent social life, as well as the support of a lot of family and friends."

Her greatest strength she says is "inner love." As she

says "When a person likes themselves, they open up doors for growth." Does she really have any weakness? "Yes," she says. "It is her inability to say no. Sometimes I can't say no to people and I end up spending so much time for others that I don't make so much time for myself."

Bevard-Kulick also says that marriage has changed her. "I don't feel insecure anymore about growing up. When I have growing pains I know John will always be there for me to balance me out. Marriage gives me a feeling of being whole," she said. "I think I balance him out too," she chuckles.

Her future plans include finishing her master's degree and working with other disabled individuals in both therapeutic and recreational settings. Someday she said she also hopes to have a family of "one to three kids." Bevard-Kulick, who favors natural foods, says she is making her body into a healthy environment for the family she hopes to one day have. "It is impor-



tant to me, but this is not the right time for a baby," she explained.

Does she have any regrets?

"Yes," says Bevard-Kulick, who describes herself as comforting, a good listener, a giver, grower, healthy, loving and not at all soft spoken. "I am too short. I wish I were an inch taller!"

Shahla Rahman is news editor for the University Relations Office.



Marcia Bevard-Kulick's long list of accomplishments include winning wheelchair marathon races and being honored as one of the 10 Outstanding Young Women of America.

Keeping Up • The Winter Bridge

New Editor

Lucy Kragness recently joined the University Relations staff as publications editor. Her duties include editing *Bridge* and other University publications. A Minneapolis native and graduate of the University of Minnesota, Twin Cities, she moved back to Minnesota after working for several years as a reporter and editor for the *Billings Gazette* in Billings, Mont.

NRRI Associate Director Named

H. Eugene Shull, former associate professor of science and engineering at The Pennsylvania State University's Behrend College in Erie, Pa., has been named associate director of energy at the UMD Natural Resources Research Institute (NRRI). Shull, who holds a doctorate in engineering mechanics from Penn State, had previously been associate director of the Combustion Laboratory and head of the division of natural sciences and engineering at the Behrend College.



Alumni Director Adds Responsibilities

Darryl Sczepanski, director of alumni relations at UMD since 1981, has assumed responsibility for the university's public relations and publications programs. Sczepanski's new title is director of alumni relations and the news service.

Alumni Association Elects Officers

The 1983-84 slate of officers for the UMD Alumni Association was elected to a second, one-year term at the alumni board's fall meeting. Second-term officers are Dale Wolf, '70, president; Katie Kuettel, '72, vice president; and Thomas Bersell, '66, secretary/treasurer. Alumni elected to the board at the fall meeting were Ken Gilbertson, '78; Robin Seiler, '77 and Don Stauty, '78.

New Fellows Named at Business School

Duluth business leader Joel Labovitz and Norwegian psychologist and educator Johan G. Aamodt were recently named Senior Fellows in the UMD School of Business and Economics. Both will teach in the MBA program at UMD. Labovitz is head of Labovitz Enterprises, a Duluth firm with interests in various businesses including hotels/motels and real estate. Aamodt is director and founder of the Norwegian Center for Organizational Learning in Oslo, Norway.

Teachers College Grads Plan August Reunion

The first major reunion for graduates of Duluth State Teachers College (DSTC) is planned for Aug. 15-17, 1985. Housing accommodations will be on the UMD campus, but activities will include use of the Lower Campus building whenever possible. Letters will be mailed in January to all DSTC graduates in our records. The Alumni Office will need your help in locating "lost" graduates. If you have suggestions or do not receive a letter by the end of January, write or phone the Alumni Office.

Alumni Participate in Career Videotapes

The Office of Counseling, Career Development and Placement (CCDP) and the Alumni Office are working together to produce a series of videotapes for career counseling. Alumni from different career fields are invited to campus to present a small group discussion on their work. They also discuss their careers "on camera" and a videotape library will be available to students in the CCDP office. Coordinating the program is Jennifer Burt, an intern in CCDP. Alumni who would like to participate, or anyone with suggestions, should contact Burt at (218) 726-8965.

Tweed Museum Director Named

Steven Klindt joined the UMD staff in October as director of the Tweed Museum of Art. Before coming to UMD, Klindt served as director of the Columbia College Art Gallery and The Museum of Contemporary Photography of Columbia College. Prior to that he was director of the Evanston Art Center and the Galesburg Civic Art Center, both in Illinois. Klindt succeeds William G. Boyce, who resigned as the museum's director.



National Indian Conferences Held

Two national Native American conferences were sponsored by the UMD School of Medicine last summer. The 13th annual meeting of the Association of American Indian physicians (AAP) was held July 31 to Aug. 4 at the Fond du Lac Indian Reservation, near Duluth. In conjunction with that meeting, the first American Indians/Alaskan Natives in Biomedical Research national conference, organized by Edwin Haller, UMD School of Medicine associate professor of physiology, was held at the UMD School of Medicine.

Med School Studies UMD Hockey Players

Twelve UMD hockey players are part of a year-long School of Medicine study that hopes to determine if it's possible to take a winning hockey team and make it better. The joint research venture involves School of Medicine physiology professor Robert Pozos; School of Medicine associate professor of physiology Lorentz Wittmers; Health, Physical Education, and Recreation assistant professor John Keener; and UMD Head Hockey Coach Mike Sertich. The hockey players will be tested both before and during various exercise regimes designed by coach Sertich. It is hoped that quantitative differences in performance, based on specific exercise programs, can be measured.

Med School Faculty Members Get Grants

Robert S. Pozos, professor and head of the physiology department, UMD School of Medicine, has received three grants, totaling \$286,000, to study hypothermia. In a two-year, \$150,000 grant from the Office of Naval Research, Pozos will study human response to cold water environments. To purchase equipment for this study, Pozos received a one-year, \$86,000 grant from the Department of Defense. In another one-year, \$50,000 grant from the U.S. Coast Guard, Pozos will study the effect of alcohol on thermal regulation.

Stephen W. Downing, School of Medicine associate professor of biomedical anatomy, has received a three-year, \$404,000 grant from the General Medical Sciences Institute, National Institutes of Health (NIH), to conduct basic research into the nature of the cytoskeleton of the cell.

Paul M. Anderson, UMD School of Medicine professor of biochemistry, has received a three-year, \$222,830 grant from the National Institute of General Medical Sciences to study the mechanism and biological function of the enzyme cyanase.

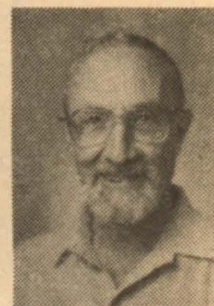
Edward T. Knych, UMD School of Medicine associate professor of pharmacology, has received a two-year, \$83,937 grant from the National Institute on Alcohol Abuse and Alcoholism to study the effects of alcohol on hypertension.

English Department Establishes Study

The Department of English has established the Levang Study in memory of Lewis (Ace) Levang, who died in December 1983. The study is open daily for the use of students needing a quiet place to work. Alumni interested in helping to furnish and decorate the study are invited to send a contribution to the UMD Development Office and ask that it be designated for the Levang Study. For additional information, call the Department of English at (218) 726-8235.



Moran



Pearce

Photography Tour of England Set

Continuing Education and Extension (CEE) is sponsoring a walking/photography tour of England next summer to the location of the recent British television series "All Creatures Great and Small," based on James Herriot's book.

The tour set July 18 to August 2 will take visitors through the countryside, to several national parks, and a number of towns and cities including Herriot's hometown of Thirsk.

UMD Library Director Donald Pearce and UMD Photographer Ken Moran will lead the tour. For more information contact CEE at (218) 726-8113.

Award Honors Retired Professor

A new faculty award established this August, the Albert Tezla Scholar/Teacher Award, is designed to recognize faculty members who excel in bringing to the classroom a teaching style that emphasizes the worth of research. The award honors retired English Professor Albert Tezla, who taught at UMD for 33 years before retiring last year.

The University of Minnesota-Duluth

BRIDGE

Volume 2, Number 2

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MICHAEL BERMAN

The University of Minnesota Duluth Bridge

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Unwavering Mondale loyalist kept campaign rolling

by Lucy Kragness

If the majority of Minnesota voters had its way, Michael Berman would now be busy setting up shop in the White House.

But instead, Walter Mondale's right-hand man during last fall's presidential campaign is getting back in touch with his clients in his private Washington, D.C. law practice.

An unwavering Mondale loyalist for the last 20 years, the Duluth native and 1961 UMD graduate was the person few saw who kept things rolling and ironed out problems during the Democrats' uphill struggle to assume command in the White House.

As a UMD student, Berman was involved behind the scenes during some student body elections, but he didn't get started in partisan politics until 1964 when he was in Minneapolis, where he attended law school. During his first campaign, he met Mondale, then attorney general and state chairman for the Johnson-Humphrey campaign.

After that election, Berman joined the attorney general's staff; Mondale was appointed to Humphrey's Senate seat; Berman successfully ran Mondale's campaign for the seat two years later; and he's been with Mondale and involved in the thick of the Democratic Party ever since.

That translates into six presidential campaigns and numerous political contests in Minnesota. But Berman, 45, says his days on the presidential campaign trail are over.

"I'll probably do very few presidential campaigns," he said. "It's time for the younger folks. I'll be content to pontificate and advise."

While the election has ended the visible campaign work, Berman says he'll be busy for several months winding things up. "When you do this for a period of time, you pass up everything," he said. "And there's plenty of young talent. Why not make way for the younger folks?"

Over the years, Berman and Mondale have become close friends, with Berman the Mondale family personal attorney and financial advisor.

"I just have come to know Mondale well and what he stands for," Berman said. "People like myself believe in principles and most often act through a surrogate. Mondale is really the vehicle through whom we can work for things we think are important. That's certainly my case."

When Mondale said during the final weeks of the campaign that he wanted to go to northern Minnesota, Berman suggested that he visit Duluth and UMD. "I thought it would be nice,"



While Mike Berman managed to stay in the background during Walter Mondale's campaign, he wasn't shy about taking center stage as a UMD student. In this photo, Berman is leading the cast in song during the May 1959 production of "Guys and Dolls."

Berman said. "Unfortunately I couldn't come back to my alma mater."

Berman said the Mondale campaign inner circle knew its chances of uprooting Reagan were slim after the second debate. "My guess is it's very hard to run against an incumbent when the economy's OK and there's no crisis overseas," he said.

Apparently a lot of folks across the country just aren't that concerned about the traditional Democratic party issues, he said. "But I guess many will come back as they become disenchanted," he said.

Berman believes that young voters supported Reagan because they are thinking about their economic future and can't remember what the Democratic party represents. "If you don't live through the problems, it's hard to relate," he said. "If things are going well, voters go that route."

The most frustrating part of what at times could be called a grueling campaign was when the Mondale camp finally knew it was beat. "That's the lowest. It's there. There's no way around

it. No what ifs, maybes. It's done."

But the campaign had its share of highlights, including the nomination and Mondale's strong showing at the first debate. "It was the first time that Ronald Reagan ever acknowledged he lost a debate," he said.

During the height of the campaign, Berman put in up to 14 hours a day, seven days a week. "You finish exhausted," he said. "During efforts like this, by the last couple of weeks you're running on pure adrenaline."

Berman advises persons interested in politics to define what party they want to work for, dive right in at the bottom and work their way up. "Find somebody involved and make a pest of yourself until you get an interview," Berman said. "You'll have to prove you want in and do whatever needs to be done."

While Berman says that nothing in school could ever totally prepare anybody for the rigors of the campaign trail, he looks back fondly on his days at UMD. Not one to stay on the sidelines, Berman was involved in

plays, as editor of the *Statesman*, and as student welfare commissioner.

He's probably best remembered as a cheerleader. "I remember at football games I'd ride around on a small bike wearing a raccoon coat and carrying a megaphone," Berman said. And odds are he's got a lot more college stories to tell. In the 1961 UMD Chronicle, there's a picture of Berman the cheerleader riding his bike, with this caption: "Mike Berman, who else?"

Berman and his wife Carol make their home in Washington, D.C., where he maintains his law practice at Kirkpatrick & Lockhart. And now that the campaign work is almost done, Berman hopes to have more time to devote to his second passion—gourmet cooking.

Looking back over his 20 years in politics, Berman naturally wishes the outcome of some of the campaigns he worked on were different, but he's satisfied personally. "I can't think of anything I'd do differently," he said.

Lucy Kragness is publications editor for the University Relations Office.



Mike Berman was the key behind Walter Mondale's UMD visit last fall during the waning days of the long political campaign.

MUMMY MYSTERY

page 4

The University of Minnesota Duluth Bridge

UMD scientists solve ancient puzzle

by Carole Jaworski

A small core of UMD scientists have laid to rest a mystery surrounding Egyptian mummies that has stirred the scientific community for more than 20 years.

Since the 1960s, x-rays taken of Egyptian mummies seemed to indicate that alkaptonuria—a disease of the joints—was prevalent among ancient Egyptians.

What made this fact so startling was that alkaptonuria is extremely rare today. Currently, only one in five million people suffers from the disease. X-rays of mummies from the 26th Dynasty of ancient Egypt seemed to show, however, that as many as one out of four ancient Egyptians were victims of the disease.

In 1962, Calvin Wells, a British paleopathologist, dissected one of the mummies shown by x-ray to have the disease and actually found a black pigment—one of the signs of alkaptonuria—in the mummy's joints. In 1978, researchers from Northwestern University, by the use of infrared and ultraviolet spectrometry on other mummy tissue, "confirmed" this diagnosis. They published their findings in the journal *Science* that same year.

It was at this point that Arthur Aufderheide, a UMD School of Medicine pathologist, stepped in. Aufderheide is one of only a handful of soft-tissue paleopathologists in the world—pathologists who study ancient human remains. As such, he found difficulty accepting the alkaptonuria theory.

"It never made medical sense to start with," he said. "The discrepancies were too enormous."

Instead, what Aufderheide suspected was that the black pigment showing up on x-rays and found in mummy tissue was not a result of alkaptonuria, but rather, of the mummification process itself.

This summer, he and a small research team from UMD proved it.

"In the Wells' mummy, the findings which were originally thought to be due to alkaptonuria, have been proved conclusively to be the result of Egyptian embalming methods," Aufderheide said.

The UMD team—made up of Aufderheide, Ronald Caple, professor of chemistry, and Jo Ann Wallgren, School of Medicine assistant scientist—presented their results at a symposium on "Science in

Egyptology" at the University of Manchester Museum in Manchester, England June 27. Their paper will be published later in the proceedings of that conference.

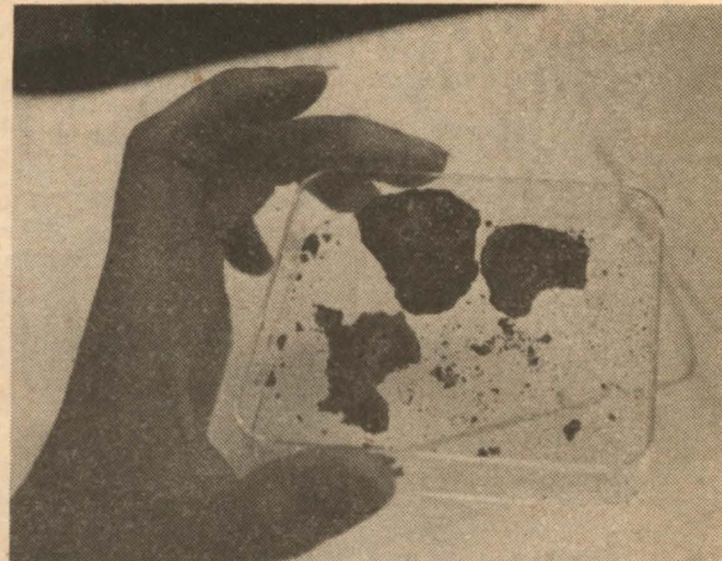
Ironically, the same mummy that began the controversy ended it. A small piece of vertebra, obtained from the original Wells' mummy, provided the answer the UMD scientists sought.

"We took the black material from this section of the Wells' mummy and repeated the infrared and ultraviolet experiments conducted by the Northwestern researchers," Wallgren said. "Any similarity between this compound and the compound that occurs in people with alkaptonuria was demonstrated to be due to contamination from the residual solvent used to dissolve the compounds."

At this point, professor Caple suggested the use of nuclear magnetic resonance (NMR) spectrometry to give a more specific analysis of the molecular structure of the pigment in question, Wallgren said.

John Jacobsen, then a senior in UMD's chemistry department, carried out the NMR analysis.

"We used the NMR to com-



A small piece of vertebra provided the answer UMD scientists sought as they laid to rest a mystery surrounding an ancient mummy.

pare the black material from the Wells' mummy with previously-analyzed black material taken from a mummy dissected five years before at Pennsylvania University Museum (PUM)," Aufderheide said. "Through mass spectrometry, the PUM compound had been identified to be a resin commonly used by Egyptian embalmers. It was, in fact, a resin from the Biblical 'Cedars of Lebanon'—actually, Juniper trees."

The group first ran a less-sensitive Proton or Hydrogen NMR analysis on the UMD

campus and then a more sensitive Carbon 13 NMR analysis at the Minneapolis campus. Both results proved the same. The black material in the Wells' mummy was molecularly identical with the known 'Cedars of Lebanon' resin used by Egyptian embalmers.

Subsequent studies by scanning electron microscopy demonstrated that the x-ray shadows seen in mummies since the 1960s were actually being enhanced by natron, another embalming ingredient used by ancient Egyptians.

What significance does any of this hold for today? Aufderheide tried to put it into perspective.

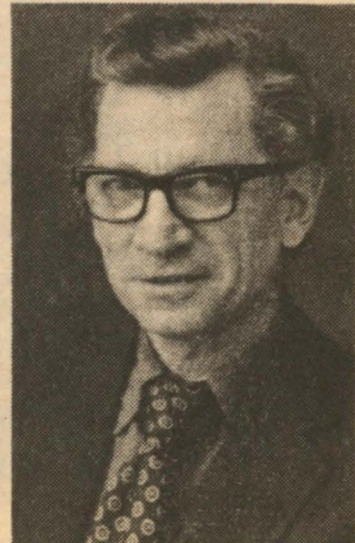
If the alkaptonuria theory had been true—if the disease had been shown to have that kind of frequency—scientists would have had to change their whole idea of how disease is passed on, he said. "The genetics we so far believe to be true would have been shown to be completely wrong."

Carole Jaworski is medical and science editor for the University Relations Office.



Jo Ann Wallgren, School of Medicine assistant scientist, and John Jacobsen, a student in the chemistry department, were part of a team

which found that a black pigment found in Egyptian mummies was part of the mummification process and not the result of a rare disease.



Arthur Aufderheide

CANCER BATTLE

The University of Minnesota Duluth Bridge

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Researchers uncover clue in spread of cancer

by Carole Jaworski

Progress in the fight against cancer is gauged in inches, not miles.

A few more inches were gained in that fight recently by researchers at the University of Minnesota, Duluth School of Medicine.

Metastatic melanoma, the most serious form of skin cancer, has increased dramatically during the past decade. In most patients, it is largely undetectable until it has reached an advanced, incurable stage.

The difficulty with melanoma—as with many other types of cancer—is its ability to invade normal tissues and to spread rapidly (metastasize) throughout the body. It is this process, occurring either through the bloodstream or through the lymphatic system, that poses the greatest threat to a cancer patient.

But now, researchers at the UMD School of Medicine have perfected a technique whereby the interaction of capillaries can be observed in cell cultures in the

laboratory. For the first time, the mechanism whereby these cancerous cells are able to attach and spread over the surface of blood vessels—subsequently invading them—is being observed.

A description of this new procedure was presented last November at the 1984 meeting of the American Society for Cell Biology in Kansas City, Mo., where UMD co-investigators Lillian Repesh, associate professor of biomedical anatomy, and Thomas Fitzgerald, associate professor of medical microbiology and immunology, issued a press release on their new model system.

What is intriguing to these researchers is the possibility that once the knowledge of the mechanism of metastasis can be understood, the knowledge of the means to prevent or control it may follow.

"The attachment and spreading of the cancer cells on the capillary walls suggests that cancerous cells, unlike normal cells, have an increased ability to produce enzymes that can break down capillary walls, thereby allow-

ing them to enter," Repesh said.

If researchers can characterize and isolate these enzymes, they may be able to immunologically inactivate them, thereby preventing the spread of cancer, Fitzgerald pointed out.

Moreover, this new technique makes it now possible for researchers to use these cell culture laboratory "models" to test anti-cancer drugs.

Repesh and Fitzgerald have already used the model to test the widely acclaimed anti-cancer drug Actinomycin D. The researchers found that the drug significantly reduced the number of tumor cells that attached to the blood vessel walls and also inhibited invasion into the capillaries. In other words, it was extremely effective against metastasis.

Although only one anti-cancer agent has so far been tested in the model, other drugs could also be evaluated.

"The information derived from these studies may pave the way for effective chemotherapy for melanoma patients," Repesh said.

As exciting as both these possibilities may be, the investigators are quick to point out that practical applications of their new technique is still far down the road.

The development of the new model system was ingenious. Tiny blood vessels were carefully isolated from nervous tissue and placed in culture dishes. Tumor cells with high metastatic potential (highly invasive) were added to the blood vessels. The cells were observed as they attached and spread on the vessel surface and subse-

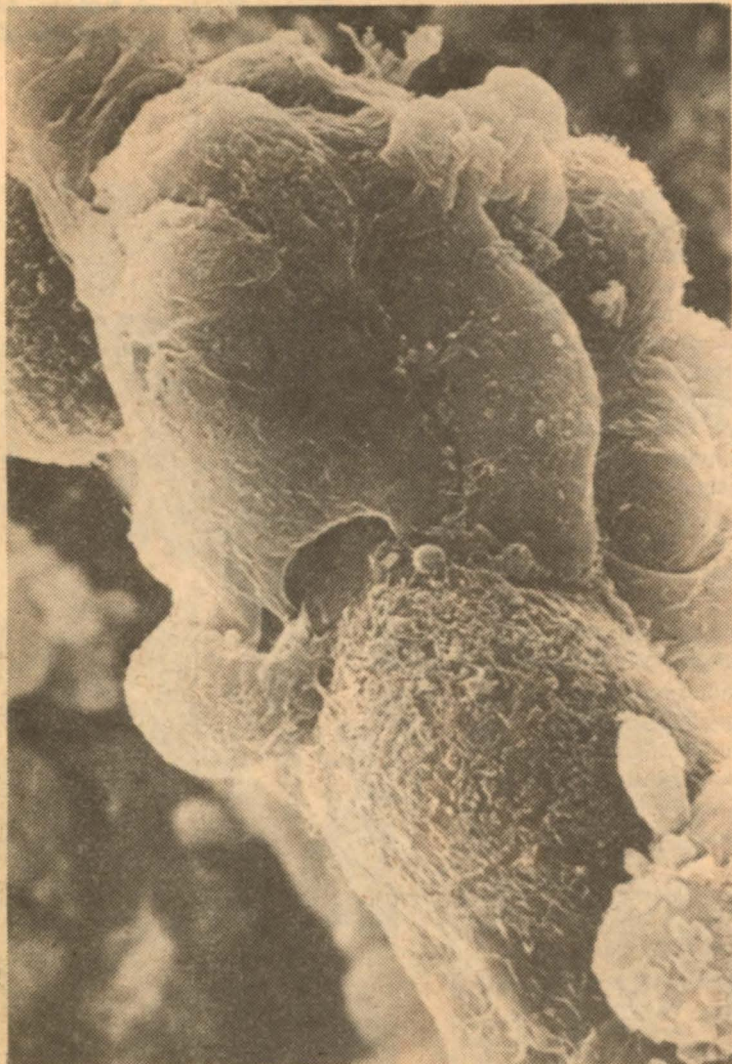
quently invaded through the wall.

Metastatic cancerous cells attached to the capillaries in significantly higher numbers than did noncancerous cells, Repesh pointed out.

Although some noncancerous cells attached to the capillaries, they did not flatten out and penetrate the blood vessel walls as did the cancerous cells, she said.

Funding for this project was provided locally. The Duluth Clinic Education and Research Foundation was instrumental in providing most of the funding. Some additional funding was also obtained from the University of Minnesota Graduate School.

Carole Jaworski is medical and science editor for the University Relations Office.



UMD School of Medicine researchers Lillian Repesh and Thomas Fitzgerald have devised a cell culture model that allows them to observe for the first time the mechanism whereby metastatic melanoma spreads throughout the bloodstream.



Ultimate Road Trip

The University of Minnesota-Duluth Bridge

Hockey Bulldogs soak in cultural differences during historic trip to Russia

The UMD hockey Bulldogs took the ultimate road trip last Dec. 16-22 when they traveled to the Soviet Union. While the Bulldogs played two games of hockey during the trip, which was sponsored by Jim Rich of KBJR-TV, Duluth, they also got a chance to explore bits of Moscow and Leningrad. Betty Oland, team trainer and 1981 UMD graduate, traveled with the team and about 100 other family members and fans.

by Betty Oland

Reflecting back on my six-day trip to the Soviet Union, I'm reminded of a conversation I had with a physically handicapped student at a Special Olympics event a few summers ago. In both instances, I was left with an almost culpable feeling that there are much too many things I take for granted in my day-to-day activities.

As any normal homo sapien, my initial interests during my Russian excursion centered around the people of that vast country. The Soviets are proud people; proud of their heritage, proud of their culture, and proud of just how far they have progressed in the past century or so despite being slapped by the cruel hand of war (both inside and outside the country) on more than one occasion.

But all of this apparent pride was, for the most part, locked securely inside each of the Russian citizens. I saw no expression of emotion from virtually all of the Soviets that I encountered. The Soviets seemed to just go to and from work or the markets almost like machines. No smiles, no hellos, no nothing. Call it no frills commuting.

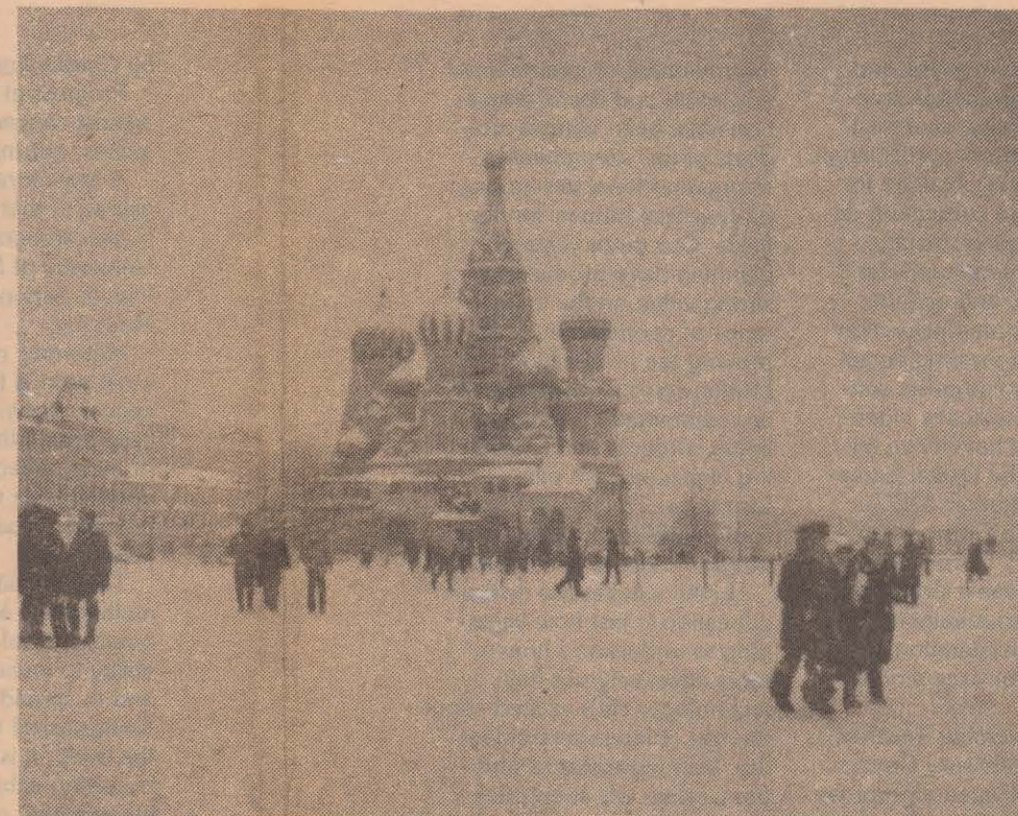
This subdued type of atmosphere was particularly prevalent in Moscow. Everything had a gloomy hue to it—the clothes (I didn't know so many different shades of gray existed), the motor vehicles (including an extraordinary number of trucks) and the sky (Moscow, I later discovered, is blessed with about 60 days of sunshine a year on average). It was almost as if you wished the city was a large television screen and you could brighten things up with a turn of the tint button. My white wool coat made me stick out like a sore thumb in this land of somber grays, forest greens, dark browns, and navy blues.

But while the general mood of Russians rubbed me as being one of gloom, I was captivated by a number of bright spots, namely the city's fascinating array of architectural accomplishments. Although somewhat typically bland in color, some of Moscow's buildings and physical structures are stunning works of art, including the world renowned Kremlin. It was plain to see that a good deal of hard work and consummate craftsmanship had gone into this most touted section of Red Square.

After three days in the Russian capital, the final leg of our tour was spent in Leningrad, some 500 miles north of Moscow on the shores of the Gulf of Finland. With the Neva river running directly through its midsection, Leningrad reminded me of a mini-Venice of sorts. To me, the city once known as St. Petersburg was a definite contrast from Moscow. People seemed to be a little more open and a bit more personable. I would venture to guess this probably had something to do with geographics—a lot of miles separated Leningrad from the politically charged Soviet capital.

Our stay in Leningrad was highlighted by the Bulldogs' 9-0 whitewash of the Junior Red Army team, a unit comprised of predominantly 16 through 18 year olds. This was a far cry from the Moscow Sports Institute team we fell to 8-5 two days earlier. Some of the players that skated for that group looked older than some of our coaches.

One glaring difference between our team and the two clubs we faced in Russia had to do with each team's equipment. A conservative estimate would put the Soviet skaters a good five to 10 years behind us in terms of hockey apparatus. It is understandable then why so many Russian players were eager to trade sticks and other



Looking like a typical American tourist, Bulldogs hockey coach Mike Sertich checks out Moscow's Red Square, upper left, with St. Basil's Cathedral providing an appropriate backdrop. St. Basil's, above, which was built in the mid-16th century, is similar in architecture to Moscow State University, upper right, which was completed in 1953. While visiting the university, UMD administrators discussed with their Soviet counterparts the possibility of a faculty-exchange program between the two schools. At right, Moscow State University Pro Rector Uri Tropin lifts his glasses to get a better look at the silver UMD cup given to him by UMD Provost Robert Heller. Below right, hockey players stood out as they took the Moscow subway, which has chandeliers and art work on display. Player Matt Christensen, below, sat out the Leningrad game due to illness but served tea to his teammates between the second and third periods. An arch at Red Square, below left, frames Lenin's tomb at Red Square.



hockey paraphernalia with their comrades from the U.S.

Getting back to my original "take it for granted" premise, I have vowed to forever appreciate the wonderful lucid beverage Lake Superior has to offer. Three days in Leningrad made me realize just how good we have it here in the Northland. In Mexico, tourists are advised not to drink the water. In Leningrad, tourists are advised not to even look at the stuff. Grayish-green in color, the Leningrad H₂O has one major purpose—to help those looking to acquire a lovely case of intestinal infection.

If you want to buy something in the Soviet Union, say a pair of shoes, be patient. There are no express lanes in Russia; but there are lines. Plenty of them. To purchase a pair of shoes one must make a selection (waiting in line, of course, to do so) go stand in another line to pay for them, and stand in another line to pick them up. One of the Bulldog players in his never-ending quest for a taste of American food finally found an Italian restaurant in Moscow only to be discouraged by a mammoth line spewing out from inside the building. "Unless I'm starving," he said, "nothing is worth that kind of wait."

We journeyed back to Minnesota on a cold and crisp Dec. 22 Leningrad morning. As we boarded the Finn Air airplane after a seemingly endless ordeal with the Russian custom folks, my immediate thoughts on my stay in the Soviet Union were quite simple: Don't ever take anything for granted.



Photos by Ken Moran

KEEPING PACE

page 8

The University of Minnesota Duluth Bridge

New collegiate unit trains human service pros

by Darryl Sczepanski

The "new" College of Education and Human Service Professions has accepted the challenges of UMD's academic reorganization with a spirit of enthusiasm. As Dean Larry Bright puts it, "We have retrenched, regrouped, refined our standards, reinvested in education, and we are ready to go."

Bright has led his faculty and staff through a three-year period of self-evaluation. They listened to the concerns of citizens about the quality of educators. And they took very seriously the revision of College programs and the allocation of resources to meet the needs of the state of Minnesota.

New programs, curricula, admissions standards, research projects, and department names are some of the results of the reorganization and revitalization of the College. The collegiate unit that emerged is a combination of six academic departments and four centers, which cut across departmental lines.

Academic departments include Allied Clinical Health; Child and Family Development; Health, Physical

Education, and Recreation; Instructional Science; Psychology and Mental Health; and Social Work. Centers include Curriculum Foundations, Advancement of Learning Technologies, Professional and Organizational Development and American Indian Projects, and Clinical Education and Research.

"The recent major national and regional reports on the quality of education have been significant in the reorganization of College programs and structure," Bright explained. "The faculty and students have responded positively to the public challenge to increase the rigor of requirements in both subject content and professional skills. The College of Education and Human Service Professions has strongly rededicated itself to goals of application of science in the improvement of teaching and learning, in the diverse settings in which they occur in an information setting."

The process began in 1981 with the search for a new dean. Bright was indentified to guide a planning effort to refocus the College. His major goal was to develop an interdependent professional

unit, excellent in preparation of educators and specialists for both school and non-school service.

But during 1981-83, the State of Minnesota, and thereby the University of Minnesota system, experienced major financial problems—requiring intense scrutiny of collegiate priorities. The College continued to realign all of its resources toward more specific and penetrating missions in human service education, including teacher education. This choice, rather than to retrench through the elimination of entire departments and substantial numbers of valued junior faculty, contributed significantly to program changes planned for 1984-1987. The College faculty determined that it had the interdependent departmental resources, history of success in teacher education, and collective motivation to strive toward distinctiveness—while accommodating immediate retrenchment demands.

Bright said planning was somewhat complicated by the implementation of a collective bargaining contract and the suspension of faculty committees. But the College continued to

develop new missions and a new organizational structure with faculty, students, staff, and alumni participation.

Grants were obtained for pursuing core curriculum development goals, faculty development in computer applications, and acquisition of computer instruction and word processing equipment. Major computer software and interactive videodisc projects have been initiated with the Digital Equipment Corporation (DEC), Control Data Corporation, and the CPT Corporation. A federal Dean's Grant Project was instrumental in faculty reconsideration of instruction for exceptional students.

The 60-member Teacher Education Advisory Council was reactivated to improve faculty and regional practitioner relationships. Some senior education faculty took advantage of severance payments, allowing junior faculty to continue service. And the College governance structure has been strengthened, with centers building interdependent curricula, research projects, more rigorous standards across departments, and attention to the improvement of services to exceptional students.

Bright is quick to emphasize that the College continues to prepare teachers—teachers and other educators who serve in diverse settings. "We produce human service professionals who serve as educators, psychologists, social workers, counselors, allied health professionals, home economists, therapists, coaches, and organizational personnel for many educative roles which serve adults, as well as children."

Bright pointed out that as many as 60 percent of the school-certified educators prepared in the past serve in nonschool roles. With the continued increase in service careers and professions, the need is intense for new professional skills to help people with widely-varied interests, values, and learning capabilities.

"By bringing together the broad fields of education, allied health, mental health, and social work, we have greater resources to produce new training and development personnel," Bright said. "We are dedicated to developing professionals who are better prepared to respond to the human service needs of society.

"Faculty interests in the

improvement of international education and liberal education have been natural products of the strengthening of organizational ties among professional human service fields. Our three years of planning have produced a strong value on the importance of cooperation in improving the preparation of human service educators. We are committed to enrolling better students and to achieving higher student performance. The risk of losing some enrollment because of program rigor is worth taking."

Bright believes the field of education is just now beginning to understand how to most effectively use high technology. He's excited about the use of interactive videodisc learning systems, and the College will soon offer course enrichment through the DEC videodisc lab.

"Interactive videodisc hardware links the microcomputer and television through the miracle of electronics and laser technology," he explained: "The result is a television screen with human figures that can interact with the viewer. This breakthrough provides a critically-needed human means for addressing the impersonal and passive nature of programmed instructional software. Within this decade, this learning technology will be within the reach of human service professionals seeking a means for increasing access to counseling services."

Through one of the College's four centers, the Center for Advancement of Learning Technologies, faculty members are working on software prototypes for human service professionals and their clients. Their primary goal is to develop interactive videodiscs in the areas of health, mental health, education, and social work. Emphasis will be placed on stimulating the learner to interact and learn through artificial intelligence.

Bright is confident that his College is ready for the future. "With the continual impact of technology, the 'global village,' and the services society, the human service professionals are in a state of rapid change, stimulation, and potential," he said. "The UMD College of Education and Human Service Professions is dedicated to keeping abreast with the broad needs of education, training, and development."

Darryl Sczepanski is the director of alumni relations and the news service at UMD.



Larry Bright, dean of College of Education and Human Service Professions, operates the new interactive videodisc system. The College is currently involved in a project with the CPT and DEC corporations to develop videodisc software.

MATTI KAUPS

The University of Minnesota Duluth Bridge

page 9

Riding the "Great Siberian" railway

by Tami Phillippi

After spending a week on "Rossija," an express train on the Trans-Siberian Railway in the Soviet Union, Matti Kaups experienced a bit of Russian culture many of us will never see.

"The train ride is a must for anyone wishing to experience the vastness of the country," Kaups said.

Kaups, a professor of ethnohistory and geography in the Department of Sociology, Anthropology, and Geography at UMD, is no stranger to the Soviet Union. He was born in Estonia, which is now a part of the Soviet Union, but fled with his parents after the Soviets invaded that country during World War II.

He has studied the Soviet Union extensively, has traveled there several times, and has taught courses on the geography of the region through which the rail route travels. But he never had a chance to ride the railway, known to Russians as the "Great Siberian."

So last summer, he received funding from UMD's College of Letters and Social Science to ride the railroad and photograph the region to assist him in teaching a Russian geography course.

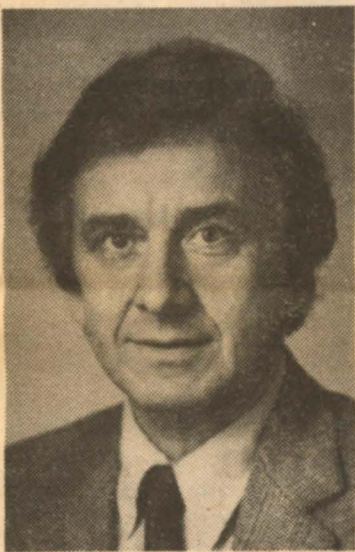
On Aug. 19 Kaups boarded an airplane in Moscow. Seven and one half hours and 4,500 miles later, the plane landed in Khabarovsk, a Russian seaport of about 500,000 people located on the Amur River near the Pacific Ocean in the Soviet Far East. The next day Kaups boarded "Rossija" and began his journey back to Moscow.

"The Trans-Siberian is the artery between the east and west," Kaups said. "It is so heavily used that a second parallel rail line (called the BAM) has been completed connecting Taisket and Komsomolsk-na-Amure." This line is located up to 500 miles north of the present line and was scheduled to open late last year.

The Trans-Siberian is the only land route connecting



Women selling goods greeted Matti Kaups and other travelers last summer during a week-long rail trip across the Soviet Union. Kaups, a UMD professor of ethnohistory and geography, said the platform markets are extremely popular.



Matti Kaups

east to west in the Soviet Union. Airlines serve only the largest cities, so the small collective villages which dot the countryside depend on the railroad not only for transportation, but to bring them supplies.

The train runs in the southern part of the country, in many places, less than 50 miles from China's border. After passing through the Ural Mountains it heads west to Moscow.

Looking out the window as the train passes one of the many collective villages, one might think he was in an era long since past. Smoke billows from chimneys atop unpainted log-cabin style homes. Large woodpiles fill a corner of the modest yards; most people depend on wood-burning stoves to heat their homes. In the yard most families have built a "banja," or steam bath. Electrical lines, strung across the skyline,

and television antennas atop cottage homes give clues that it is indeed the 20th century.

The collective villages are under direct control of the central government. The government assigns each village a product or service that it will provide. For example, one village may be assigned to grow and harvest potatoes, while another may harvest timber, Kaups said.

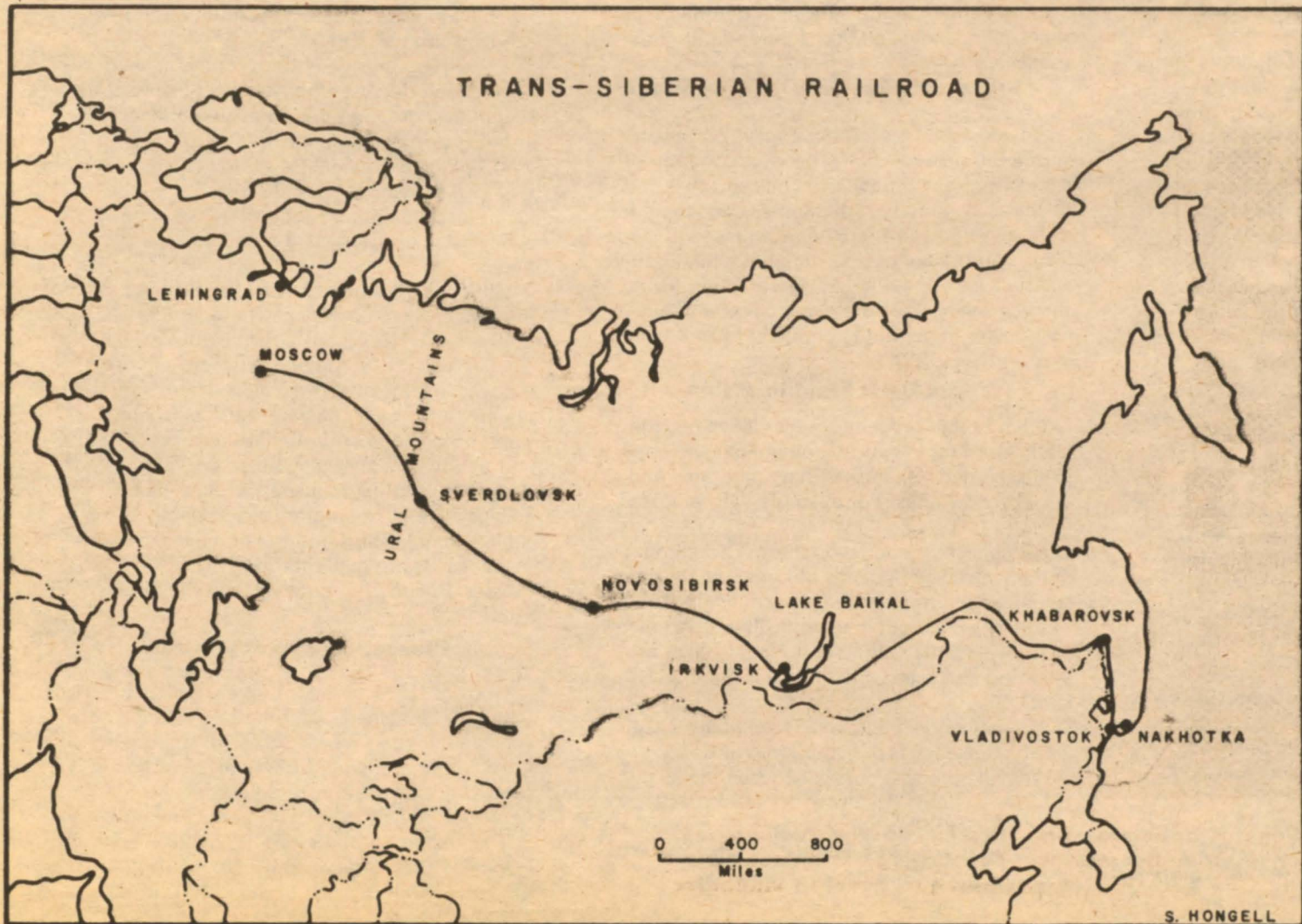
In short, a collective village is "a unit of agricultural production" used by the government to organize its land use, Kaups explained.

Besides working with other villagers to produce a product, each family may also use a small plot of land, often about three acres in size. The family does not hold title to the government-owned land, but the family may use this plot to grow whatever it wants. And they may sell these goods without regard to regular government price structures.

This system is what Americans refer to as a "dual economy," meaning that it runs parallel to, and sometimes in competition with, regular government industries.

Older women, heads covered by brightly colored scarves, gather on platforms at nearly every station awaiting the train arrivals. The women sell milk, sandwiches, fruit, vegetables, and a host of other goods gathered near their homes or produced from their plots.

Train passengers purchase



(continued on next page)

Siberia

(from page 9)

food from the women for less than it would cost them to eat on the railroad restaurant car, Kaups said. These train-station markets are extremely popular among Soviet travelers, he said. Kaups said he thinks the women, in addition to selling their own goods, probably earn a commission for selling things for friends and neighbors.

On board, Kaups said he had no trouble finding someone to talk to. "They like to talk," Kaups said. "They were interested in America and (especially) about how Americans feel about nuclear war."

As the only American on board, Kaups was something of a curiosity. Foreign tourists don't often travel on the Trans-Siberian. And if they do, it is nearly always in a group with an Intourist guide, Kaups said.

At night, Kaups socialized with the others riding in the first-class compartments. "I was invited to the different compartments," he said.

While they socialized they drank glass after glass of cognac followed by many varieties of breads topped with meat, dried fish, cucumbers or tomatoes.

And as they shared the dark Russian bread, they exchanged bits and pieces of culture. Nearly all were very friendly and willing to talk to him. Several said they wanted him and the American people to know they wanted peace and friendship

between the United States and the Soviet Union, Kaups said.

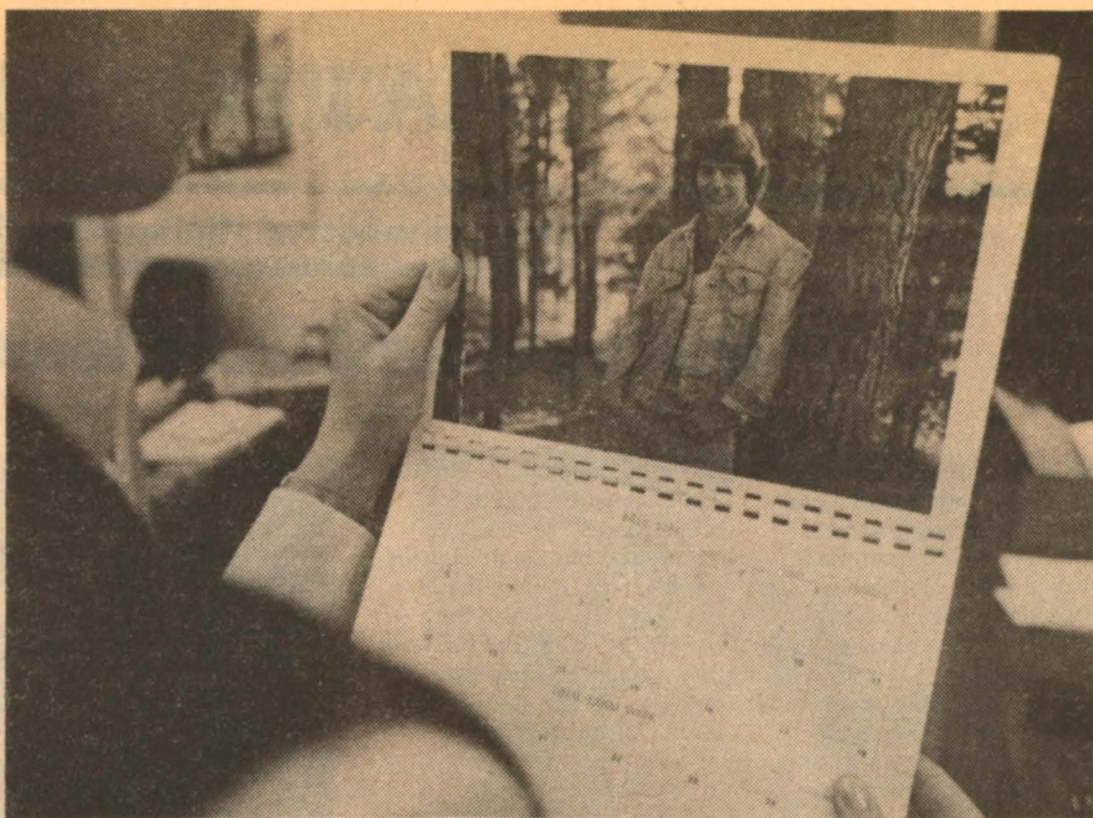
One man told Kaups he was an eye surgeon on his way to a new job assignment on the other side of the country. Kaups was surprised when the surgeon told him he earned 140 rubles a month, which is less than the 180 rubles a general laborer makes. And the surgeon was surprised to learn that an eye surgeon in the United States earns a considerably higher income than most Americans.

As the train traveled farther and farther west, the scene from the window looked more and more modern, especially after passing the Ural Mountains. As the train approached Moscow, the countryside filled with "dashas," or summer homes, owned by the people who live in the city. Once again, the land upon which these are built is owned by the government and a family must be granted permission to use it.

"You have a right to use it and to pass it on, but the government has title to the land," Kaups said.

Finally, after seven and one half days, the train pulled up to Moscow's Yaroslavl Station. A tired but happy professor debarked and went off to finish his business in Moscow before continuing his travel.

Tami Phillippi, a senior majoring in communication at UMD, is a writer for the University Relations Office. She viewed many of Kaup's slides while preparing this story.



UMD loves those calendar guys

What do Michael Jackson, Garfield, Christine Brinkley, and Mark Fellner have in common?

All four of them appear on the covers of popular calendars this winter, and Fellner's face may sell more calendars in Duluth than the other three combined.

Fellner is the cover photo on the hottest student fundraiser at the University of Minnesota-Duluth this winter, a 1985 calendar entitled "You Handsome Dogs." The four-color calendar is the brainchild of the Y.E.S. Club, a group of UMD students dedicated to promoting UMD and its programs.

The group sold nearly 1,000 of its \$5 calendars during the first week of sales

at UMD, with the remaining 500 going fast.

Why a calendar featuring UMD men? Club officers Glenda Johnson and Sally Christensen explained that the club was looking for a fundraising project, but they wanted it to be something fun. The idea of selecting 12 handsome UMD students for a calendar was suggested and club members went into action.

UMD students voted on their favorite "calendar men," and club members sought sponsors to help with printing costs. Arrowhead Printing in Superior agreed to take on the project and club members convinced UMD photographer

Ken Moran that this was something "he had always wanted to do."

"Calendar Men" appearing are Harlan Lehman, New Hope; Andrew Myhre, Minneapolis; Steve Prozinski, Little Falls; Joseph Hirtzel, Robbinsdale; Chris Thelen, Roseville; Eric Solie, Eden Prairie; Mike Foley, Dellwood; Mark Fellner, Minnetonka; Tony Goodman, Duluth; Jerry Grogan, Stillwater; Jim Sprenger (Cloquet), Guy Gosselin (Rochester), and Darin Illikainen (Hermantown)—three hockey players insisted on appearing together, because everyone knows how shy hockey players are; and John Koch, Forest Lake.

Charitable giving makes the difference

UMD — Making a vital impact

The University of Minnesota, Duluth, is proud of its quality educational, cultural, and public service programs and its response to needs and concerns of the surrounding region and the state.

Over 30,000 graduates and thousands of other students have gained valuable knowledge and experiences through the University's academic and research programs. Area residents appreciate the entertainment activities offered at the campus, including theater productions, music concerts and recitals, art exhibits, intercollegiate athletics, and guest speakers. And, UMD is one of the top employers in the Duluth-Superior area and University, faculty/staff, and student expenditures total over \$85 million each year—making a major economic impact locally.

Today, UMD is a strong, purposeful institution with a clear sense of its mission. Provost Robert Heller and his team of administrators have completed a comprehensive review of UMD's programs and charted ambitious goals and plans for the institution's programmatic and physical growth.

UMD Fund gifts ensure excellence

Leadership, determination, and prudent management will not be enough. Significantly increased resources will be required. As in the past, UMD will continue to depend on the financial and moral support of alumni and friends—the people who best understand and most value the importance of the University.

Your gift to the annual UMD Fund campaign

is an investment in the education of today's and tomorrow's leaders and the future of our communities.

State provides only 40% of budget

UMD is state-assisted, but it relies on private support to achieve many objectives and to preserve its fine reputation. Only such basic needs as classrooms, laboratories, faculty and staff, and operations are financed through legislative appropriations and student tuition and fees. Assistance from the federal government for student financial aid and faculty research projects is also important to UMD, but has declined in recent years.

The UMD Fund in action

Where other revenue sources leave off, the UMD Fund takes over. Contributions are applied to sustain and enhance existing programs and to develop new ones. For example, gifts are used for:

• **Scholarships and fellowships.** The strength of the University depends not only on a superb faculty administration, but also on bright students. With rising costs of higher education, a scholarship or fellowship may attract a student of high promise and character, and keep the student at UMD.

• **Faculty enrichment and recruitment.** Excellence in teaching is a high priority at UMD. To provide the best possible educational experience for students, faculty members must have opportunities to exchange ideas with colleagues, attend institutes and seminars, conduct research, and publish. Also, colleges and universities are competitive in their recruitment of outstanding professors and instructors. UMD needs

incentive dollars to attract these distinguished scholars and teachers.

• **New programs,** like the recently initiated engineering degrees, the Natural Resources Research Institute, and the Tourism Management and Development Center.

• **Capital improvements, endowed chairs and professorships, special projects and events, library and equipment acquisitions, Alumni Association activities, and many more worthy needs.**

Gifts to UMD's unrestricted Excellence Fund are especially encouraged. These liquid, flexible dollars are UMD's intellectual venture capital. They're used to strengthen services, explore innovative concepts, close gaps where they appear, and "catch passing stars" by acting upon unforeseen opportunities and needs.

If you have a special interest, you can designate your gift to a specific department, college/school or program. (Contributions for athletic scholarships and the purchase of sports event tickets are made through the Rasmussen Bulldog Fund rather than the UMD Fund.)

Please, give what you can

Consider the value of your generosity: how your gift, combined with others, can help UMD achieve the goals we share. With support from you and others, the University of Minnesota, Duluth, will remain a place where people of all ages can learn, contribute and grow.

The University of Minnesota, Duluth Fund, 315 Darland Administration Building, 10 University Drive, Duluth, MN. 55812-2496. (218) 726-7989.

CLASSNOTES



'40s

An exhibit of **Tyne Mike's**, '43, watercolor paintings were displayed in Davies Hall at Itasca Community College in Grand Rapids during the month of October. She also recently displayed two paintings at the Fargo Regional Show.

'50s



Rogers

Clyde Rogers, '57, has received one of three distinguished alumni awards from Bethel College, St. Paul, for his efforts in social work. Rogers is currently the executive director of the Duluth Bethel Society where he has worked since 1971. Rogers holds a bachelor of divinity degree from Bethel in addition to a bachelor of arts degree from UMD.

'60s



Hagelin



Dahlberg

Vernon L. Amundson D.D.S., '62, is serving as chairman of the board for the Duluth Area Chamber of Commerce. Amundson is a past president of the UMD Alumni Association and has been active in several community and professional organizations. He and his wife, Nancy, have four children. **Burton Dahlberg**, '63, has been elected president and chief operating officer of Kraus-Anderson Inc. and its Kraus-Anderson Realty Co. subsidiary in Minneapolis. Dahlberg previously served as executive vice president of both companies. He began working with Kraus-Anderson in 1968. The firm is involved in various real estate and construction ventures and is the general contractor of the race track under construction in Shakopee. **John Vukmanich**, '64, is director of the award winning Virginia Marching Blues Band which has won 20 first place honors the ten years Vukmanich has worked with the band. **Dennis Modoc** is principal of Cloquet Senior High School, Cloquet, Minn., a position he has held for the past nine years. **Carol Achterhof**, '65, is teaching English and Spanish at Ellsworth High School. Achterhof is also the school's play director and speech coach. She was previously editor of the *Rock County Star-Herald* and before that taught school part-time. She is married and lives near Luverne, Minn. **Daniel Wagner**, '65, is working as an administrator for the State of Minnesota Education Department. He lives in Minneapolis. **Michael Manni**, '65, is a technical writer for NCR Comten, Inc., St. Paul. He recently presented a paper during the 1984 Institute of Electrical and Electronics Engineers, Inc. Professional Communication Society Conference held in Atlantic City. The paper suggests ways to improve communication between engineering and writing groups. **William Engstrom**, '67, is a test director for the United States Air Force Operational Test and Evaluation Center at Kirtland Air Force Base, N.M. He was recently promoted to

the rank of lieutenant colonel. **James Doyle, Jr.**, '67, is marketing director for First Plan Health Maintenance Organization (HMO) in Duluth. He serves as director on the board of Faith Haven Senior Citizen Apartments in West Duluth and as director on Woodland Hills Residential Treatment Board. **David Hagelin**, '68, is an account executive with George M. Drake and Associates in Northfield, Ill. Hagelin is married, has three children, and resides in Lake Bluff, Ill. **Dick Millen** is working as a chemical dependency counselor for Court Services in Carlton County, Minn., a position he's held for the past eight years. **Lyle Koski**, '69, is principal at North Branch High School in North Branch, Minn. He began that job this summer after serving as assistant principal at Forest Lake High School for five years.

'70

Kenneth A. Sandvik, of Two Harbors, Minn. was recently appointed as a judge for the Lake and Cook County Court in northeastern Minnesota. Sandvik formerly served as city attorney for Two Harbors and as an assistant Lake County attorney. He is a graduate of the University of Minnesota Law School.

'71

Marcia Gabian is an elementary school teacher at Wallace Public School and lives in Littlefork, Minn. **Will Haapala** is the new wastewater treatment plant superintendent in Little Falls, Minn. Since the plant is under construction, his first project will be to oversee the construction inspection and coordination. Haapala has helped to start up water treatment plants in Ely, Alexandria, and in the Western Lake Superior Sanitary District in Duluth. **Don Rodorigo**, is a veterans employment representative for the Hibbing Job Service, Hibbing, Minn. He recently received a service award for outstanding performance in his work in the promoting, hiring, and training of veterans. **Thomas Mullins** recently assumed a position as executive vice president of Industrial Opportunities, Inc., Rochester, Minn., and will head the company's \$600,000 effort to attract new businesses to the Rochester area. Before joining IOI, Mullins headed Itasca Development Co., a Grand Rapids, Minn. organization which develops incentives to try to encourage business expansion and to attract new businesses to that area. **Charles M. Bell**, president of Bell Brothers Funeral Home in Duluth, has been chosen as chairman-elect of the Duluth Area Chamber of Commerce. Bell is involved in a number of community organizations in Duluth. He and his wife, Deborah, have two children.

'73

Ron Hart is the sales operations manager for Morey's Fish House, Motley, Minn., a part of International Multifoods' U.S. Consumer Products Division.

'74

Dave Beaman displayed a collection of his watercolor paintings at First Bank Hibbing during the month of September. Beaman, who is living in Staples, Minn., has displayed his watercolor works throughout the state over the past few years. **Air Force Capt. Douglas B. Hall** recently reported for duty at Clark Air Force Base, Philippines. Hall is a fighter pilot with the Air Force and previously was assigned at Laughlin Air Force Base, Texas. He is married.

'75

Robert Block is superintendent of schools for the Fergus Falls School District. **Vickie Polich** is an elementary school teacher in the Crosby-Ironton School District.

'76

Judith Martin was recently hired as the child study coordinator and school psychologist for the Appleton School District, Appleton, Minn.

'77

Kim Janeksela is a district investigator for Target Stores in charge of internal loss prevention programs for the chain's Indianapolis district. He is married and has two children. **Frank Jenko** is the owner of the KOA campground, mobile home court and laundromat in Chisholm. **Vicky Gornick** of Chisholm is working as a private organ and piano teacher and is the organist at Faith Lutheran Church in Chisholm. This summer she gave a recital playing the pipe organ at St. Joseph's Catholic Church in Hibbing.

'78

Steve A. Molick of Chisholm recently relocated to Hawaii where he is working as a safety engineer for the Civilian Department of the Navy. **Ralph Norrgard** is an instructor for building trades at the Mille Lacs Vocational Center in Milaca, Minn.

'79

Bruce Winter is teaching physical education and coaching at Lake Crystal High School. **Betty Heikkila** has received an award from the National Society for Children and Adults with Autism (NSAC) for her dedication in her work with severely autistic adults at the Shingle Creek Option, Brooklyn Park, Minn., Minnesota's only community residence for severely autistic adults. **Nancy Ognanovich** has been hired as an assistant account executive by Dorn Public Relations in Minneapolis. Ognanovich has a master of arts degree in journalism from Marquette University as well as a bachelor of arts degree from UMD.

'80



Thatcher

Barbara Hurd is a cost accountant with Minnesota Mutual Life in St. Paul. Hurd is originally from Virginia, Minn. and was formerly an internal auditor with Burlington Northern. **Kathleen Robinson** recently opened an antique shop in Duluth. **Judith Pazloff Converse** recently completed a master of arts degree in social work from Loyola University in Chicago. **Jim Williams** recently graduated from the University of Minnesota School of Dentistry and is employed as a general practitioner at the Dental Health Office in Roseau, Minn. **James Adamczak**, who taught chemistry at UMD while earning a master of arts degree here, has opened a dentist practice in Eagan, Minn. just four months after graduating from dental school. **Tom Thatcher** is the designer for the University Theatre's production of "Taking Steps" which ran Oct. 26-Nov. 11 on the University of Minnesota, Twin Cities campus.

'81

Heidi Anderson is teaching second grade at Moose Lake Public School, Moose Lake, Minn. **Deb Butkeiwicz** is teaching fifth grade at Moose Lake Public School, Moose Lake, Minn. **Scott W. Johnson**, an Air Force first lieutenant, recently participated in Maple Flag XIV held at Canadian Forces Base Cold Lake, Alberta, Canada. **David Bard** has graduated from the United Theological Seminary, New Brighton, Minn. and recently became pastor at the United Methodist Church, Roseau, Minn. He and his wife Julie have one child.

'82

Mark Staniger opened a department store, Stenny's Merchandise, in Chisholm, Minn. **Sandra Asbell Flores** is employed at St. Anastasia School in Hutchinson, Minn. as a computer science teacher. **Warren Peterson** is teaching math and science at Pillager High School. Besides his teaching duties, Peterson is coaching the junior high football team, the varsity boys basketball team, and the varsity boys baseball team. **Chris Mahai** was recently named assistant vice president for sales management/regional division for First Bank Systems in Minneapolis. She has worked with the company since 1979 and most recently served as the vice-president of marketing at First Bank-Duluth. **Mike Piotrowski** is the manager of Country Kitchen Restaurant in Little Falls, Minn. **Dona Kass** is a speech-language pathologist for Professional Communication Services in White Bear Lake, Minn. **Deborah Berg** of Ely is teaching organic chemistry at Hibbing Community College. She holds a bachelor of arts and a master of arts in chemistry from UMD.

'83

Jo Lee Gruber is working as an instructor for Norstar Communications Systems in Plymouth, Minn. **Dave Lund** is teaching art classes, splitting his time between schools in Moose Lake and Willow River, Minn. **Phillip R. Thompson** is working for Sperry Corporation in Roseville where he is an associate programmer trainee. **Joyce L. Sayler-Schroder** works for the State of Minnesota as a tax examiner. **Mary Kay Erickson** is a flight attendant with Northwest Orient Airlines. **John K. Gustafson, Jr.** is an inventory control manager for the City of St. Anthony, Minn. **Glenn Norman** sells real estate with Thorpe Brothers Real Estate Inc. He is living in Burnsville, Minn. **Mark R. James** teaches sixth grade in the Brownsville, Texas school district. **Richard Meyer** teaches ninth grade physical science in Oshkosh, Wisc. **Amber Cordahl** is a speech clinician in the Burnsville, Minn. schools and lives in St. Paul. **Todd W. Johnson** is a second lieutenant in the United States Air Force and recently completed pilot

training and received silver wings at Laughlin Air Force Base, Tex. He is scheduled to serve at Little Rock Air Force Base, Ark. **Bob Hermann** is a funding analyst with Norwest Mortgage in Minneapolis. **Neil Onstad** is teaching sixth grade at North Elementary School in Pine City. **Ann Niedringhaus** is executive director of the Association of Retarded Citizens-Duluth. Niedringhaus previously worked with the United Way of Greater Duluth as chairwoman of the Agency Self-Evaluation Project and as vice president of planning. **Michelle Bertrang** is employed as a speech/language clinician at Parker Elementary School in Elk River.

'84

Jane Leoni is teaching fourth grade at Sibley School in the Northfield, Minn. school district. **Kelly Lyn Bauer** works for The Center Companies in Minneapolis as an accounting administrator. **Shari Lynn Thompson** has joined the Norwest Bank firm in Minneapolis. She works as an auditor and lives in Blaine, Minn. **Susan Colby** is a customer service representative for Tierney Brothers Incorporated in St. Paul. **Anne Marie Eide** works as a flight attendant for Delta Air Lines. She lives in Boston, Mass. **Mindy Mattson** recently began work as a recreation therapist for Miller-Dwan Medical Center in Duluth. **Stephanie Gail Defoe** is an accountant for the Fond du Lac Reservation in Cloquet, Minn. **Ann Marie Peterson** is a biologist working in pharmaceuticals with 3M company in St. Paul. **Ronald Charles Nelson** is an accountant with Hub Office Products in Bloomington, Minn. **Thomas D. Specht** is doing graduate study in geology and geophysics at Duke University in North Carolina. **Brian Geary** is an insurance agent with Combined Insurance in the Twin Cities area. **Teri L. (Deutsch) Rivett** is an accountant with the firm of House, Nezerka, and Froelich in Edina, Minn. **Michael Carsten** is doing graduate work in industrial relations at the University of Minnesota, Twin Cities. **Kathleen Privette** is an accountant with Labovitz Enterprises in Duluth. **Rick Jeronimus** is a sales representative for Sensor Based Systems in Bloomington, Minn. **Portia Tatlonghari** is studying nuclear medicine technology at Albert Einstein College of Medicine in New York. **Lori Barker** is an accountant with Peat, Marwick, and Mitchell in St. Paul. **Michael Rollo** is a sales representative with International Multifoods in Minneapolis. **Burton A. Cohen** began his teaching career this fall as a French and Spanish teacher in the Rosemont, Minn. public school system. **Eugene Klun** works as a safety engineer at Denver General Hospital in Denver, Colo. **Greg Strafaccia** is a loan officer for First Bank Minnesota in Virginia, Minn. **Eric Lloyd Davis Hylden** studies law at the University of Minnesota Law School.

Share your news

Keep your former classmates informed on what you've been up to. Send information including the year you graduated for Classnotes to: **Bridge, UMD, 315 Darland Administration Building, Duluth, Minn. 55812. Thanks.**

BRIDGE CALENDAR

January

15 Concert, Wind Ensemble/
Honor Band, MPAC,
7 p.m.

18 Hockey, Minnesota,
8:05 p.m.

19 Hockey, Minnesota,
7:35 p.m.

Men's Basketball, Winona
State, 3 p.m.

20 Paintings/paper sculpture
exhibit, David Genszler,
Main Gallery, Tweed
Museum, through Feb. 20

Ceramics/paintings exhibit
Karlyn Holman, Court
Gallery, Tweed Museum,
through Feb. 10.

Faculty Recital, Debra
Freedland, oboe, Bohan-
non 90, 5 p.m.

22 Coffeehouse Concert,
Doug Wood, Bull Pub.
7 p.m.

Concert, Chamber Or-
chestra, Bohannon 90,
MPAC, 8 p.m.

23 Women's Basketball,
Bemidji State, 7:30 p.m.

Coffeehouse Concert,
Doug Wood, Bull Pub.
7 p.m.

25 Women's Basketball,
Moorhead State,
7:30 p.m.

Hockey, Northern Mich-
igan, 8:05 p.m.

Film, "Das Boot," Bohan-
non 90, 7 p.m. and
9 p.m.

26 Hockey, Northern Mich-
igan, 7:35 p.m.

Film, "Das Boot," Bohan-
non 90, 7 p.m. and
9 p.m.

27 Film, "Das Boot," Bohan-
non 90, 7 p.m. and
9 p.m.

Faculty Recital, String
Chamber Music, Bohan-
non 90, 4 p.m.

28 Winter Carnival, Kirby
Student Center, runs
through Feb. 2.

February

1 Women's Basketball,
Winona State, 7:30 p.m.

Hockey, Denver,
8:05 p.m.

Snowflake Symposium:
Child and Family De-
velopment, Montague 80,
5:30 p.m.

2 Hockey, Denver,
7:35 p.m.

Snowflake Symposium:
Child and Family De-
velopment, Montague 80,
all day.

3 Concert, University
Chorale/Freshman
Chorus/Brass Ensemble,
3 p.m.

6 UMD Dance Theatre,
MPAC, 8 p.m.

7 UMD Dance Theatre,
MPAC, 8 p.m.

Wrestling, Northern Mich.,
7:30 p.m.

8 UMD Dance Theatre,
MPAC, 8 p.m.

Women's Basketball,
Southwest State,
7:30 p.m.

9 UMD Dance Theatre,
MPAC, 8 p.m.

Men's Basketball,
UM-Morris, 7:30 p.m.

Winter Outdoor Education
Workshop, Boh 104,
all day.

10 Men's Basketball, South-
west State, 3 p.m.

Faculty Recital, Timothy
Mahr, trombone, Boh 90,
4 p.m.

Concert, University
Singers, 8 p.m.

12 Concert, UMD Sym-
phony Orchestra, MPAC,
8 p.m.

13 Concert, Concert Band/
Jazz Ensemble II, MPAC,
8 p.m.

15 Hockey, Michigan Tech,
8:05 p.m.

16 Hockey, Michigan Tech,
7:35 p.m.

17 Faculty Recital, George
Hitt, trumpet, 4 p.m.???

23 Women's Basketball,
UM-Morris, 7:30 p.m.

Men's Basketball, Bemidji
State, 7:30 p.m.

24 Women in Clay/The On-
going Tradition, Main
Gallery, Tweed Museum
of Art, through March 24.

26 Parent Family Life Con-
ference, Boh 90, all day.

27 Parent Family Life Con-
ference, Boh 90, all day.

April

4 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

5 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

6 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

7 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

10 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

11 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

12 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.

13 UMD Theatre, "The
Fantasticks," MPAC,
8 p.m.