



**US Army Corps
of Engineers**
St. Paul District

Crosscurrents

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Change of Command



Gen. Hilmes hands the district flag to Col Briggs, making him the 50th district engineer and commander of the St. Paul District.

Photo by Lyle Nicklay

Colonel Joseph Briggs became the 50th St. Paul District Engineer and Commander on Monday, July 8, replacing Colonel Edward Rapp at a Change of Command Ceremony held at the district office.

During the ceremony, Brig. Gen. Jerome B. Hilmes, North Central Division Engineer and Commander, presented Colonel Rapp with the Legion of Merit, one of the highest military awards presented for meritorious achievement during peacetime.

Another highlight of the ceremony was the knighting of Colonel Rapp by King Boreas and the Queen of Snows, the St. Paul Winter Carnival royalty, in recognition of the colonel's support of the carnival.

Colonel Rapp, who spent three years with the St. Paul District, will be going to the Chief of Engineers Office in Washington, D.C., where he will be director of Resource Management.

Colonel Briggs was serving as a military assistant to the Defense Science Board in Washington, D.C. before joining the district.



Assistant Lockmaster Joseph Dvorak joins two of the nine performers after their dance, "Solstice Falls on Friday."

(See story on page 7)

Photo by Ken Gardner

District Given the First Safety Award

The St. Paul District was awarded the North Central Division Safety Award for fiscal year 1984 during the Commanders Conference in May. This is the first time a safety award has been given by the North Central Division.

"While it is an honor to have received this award, it is certainly no time to take safety for granted," said Ron Scott, safety officer. "Safe work habits and taking the time necessary to complete tasks the safe way will insure that the district's safety program will continue to be recognized as one of the best in the Corps of Engineers."



Mary Kay Linder and Pete Fischer accept a hand-carved duck made by Col. Rapp for the district. Col. Rapp and Mrs.

Rapp presented the duck during the Change of Command ceremony.

Photo by Lyle Nicklay

Commander's Viewpoint

This is the last time I will be able to share my thoughts with you as District Commander. As I prepare to leave the St. Paul District, I am proud of the District's accomplishments during my tenure as district engineer. In particular you have made significant advances in flood control and flood protection to the residents of our region. More than 100,000 people in this region have been removed from the floodplain as a result of our flood control efforts. Our efforts have provided a significant and long lasting benefit to our customers.

But I do not want to focus on the past. We need to continuously look forward. There is still plenty of work to be done in the St. Paul District. There are communities which still have inadequate flood protection. There are residents of this region who are suffering from the effects of rising water levels in lakes. Our lock and dam system is aging and needs to be modernized in order to serve commercial and individual small boat navigation more efficiently and safely. There are people who's lives can be improved through our small projects program. And there are people in our region who rely on our recreation facilities, including handicap facilities, so that they can enjoy the many outdoor activities abundant in this great region.

Even as people increasingly realize the value of wetlands and water resources, there are permitting activities that must go on in response to individual owner's requests for



Colonel Edward G. Rapp

filling their wetlands. All these individual transactions will continue to tax our best engineering judgments.

These are our customers and we need to look at how the Corps and the St. Paul District can best serve them. We also need to continuously look at how we can best serve another unseen customer—the American taxpayer—by becoming more efficient in our efforts; by eliminating waste; by value engineering to get the most construction for each tax dollar we spend; by timely responses to requests and permit applications; and by our willingness to be creative in finding solutions to our customer's problems.

This is the challenge facing the St. Paul District; and I am sure that you are up to it. Essays!

Corps' Cooperation Appreciated

Dear Lt. Gen. Hieberg:

I had an opportunity to work with your staff in the Twin Cities over the past several months while choreographing a dance which was performed on the mooring cells of the Upper St. Anthony Falls Lock and Dam on the Mississippi in downtown Minneapolis.

The event last Friday was a huge success, with more than a thousand people watching the performance. Both the dance event itself and the Corps of Engineers received excellent publicity in the process.

I am writing to tell you how much I enjoyed working with the local Corps of Engineers. They were really terrific! I was very pleased with the tremendous amount of cooperation I received. I especially wish to commend Colonel Rapp along with the Lockmasters Roger Worth and Robert Stahl for creating the opportunity for my dance performance to occur. I am enclosing the poster for the dance, but mostly I want you to know how wonderfully helpful I found Roger Worth (former lockmaster) and Robert Stahl (current lockmaster) and the staff at the Upper St. Anthony Falls Lock and Dam. They were always extremely pleasant, polite, and accommodating to me and my dancers. I have never met Colonel Rapp but I understand it is he whom I should thank for permitting me to carry through my rather unorthodox idea. Bravo to him and his broad-minded decision!

Thanks to you in Washington on behalf of this community for having such kind and receptive people on your staff here in Minnesota.

Marylee Hardenbergh

Brig. Gen. Hilmes Nominated for Promotion

Brig. Gen. Jerome Hilmes, commanding general for the North Central Division, was one of three U.S. Army Corps of Engineers' officers to be selected for promotion to Major General. The President nominated the names of 36 general officers for promotion

to Major General to Congress for confirmation. Gen. George R. Robertson, commanding general for the North Pacific Division and Brig. Gen. Robert J. Dacey, commanding general for the Southwestern Division were the two other general officers of the Corps to be nominated.

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Two Employees Receive Long-Term Training

This fall, two district employees will begin long-term training. Terry Pfitzenreuter, an archaeologist in the Planning Division, was selected for the Water Resources Planning Associates Program at Fort Belvoir, Va. Dale Mazar, a civil engineer assigned to the Engineering Division, was selected under the Construction, Engineering and Management Program. Dale is hoping to attend Stanford University in California.

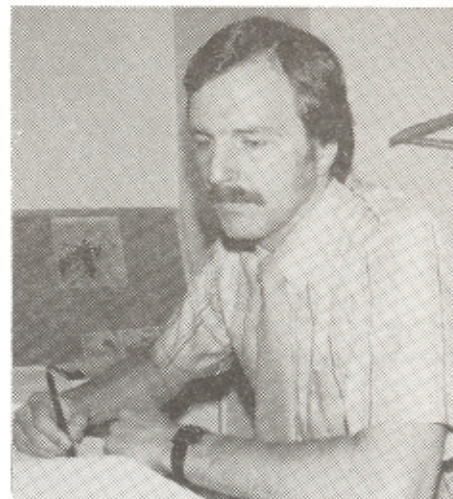
"Terry's selection is an important milestone for the St. Paul District. She is the first woman to be selected for long-term training in the St. Paul District," said Marianne Price, equal employment officer. Beginning August 5, Terry will receive specialized training in the laws, policies and criteria procedures that apply to civil works planning.

Terry gained experience to qualify for this program with the variety of projects she worked on while on developmental training in the Plan Formulation Branch and at the Chicago District's Environmental Branch. Terry also credits her outside activities for helping her to be selected for long-term training. "While I was program chairperson for S.A.M.E. last year, I gained the confidence I needed to be selected for this program," Terry said. She is also president of the Federally Employed Women Program.



Terry Pfitzenreuter, archeologist, begins long-term training on August 5 at Fort Belvoir, Vir. She was accepted under the Water Resources Planning Associates Program. *Photo by Pam Banks*

Dale Mazar has applied for a one-year graduate study course at Stanford University to begin Sept. 23. "My courses at Stanford will include learning about construction equipment and methods, how construction companies are organized and computer



Dale Mazar, project manager, has been selected for long-term training under the Construction, Engineering and Management Program. He is scheduled to begin school in September. *Photo by Pam Banks*

application in construction," Dale said. "This will help me in the management of construction projects."

Dale has a bachelor's degree in civil engineering and a master's degree in business administration.

The Missing Link

Everytime Ron Tuura, civil engineer, worked on the computer, he would become frustrated and upset. The letters on the keyboard were too close together and Ron would hit the wrong keys. "After seeing how upset Ron would become, I decided to invent the Missing Link to help him type more accurately," said Jim Johnson, civil engineer.

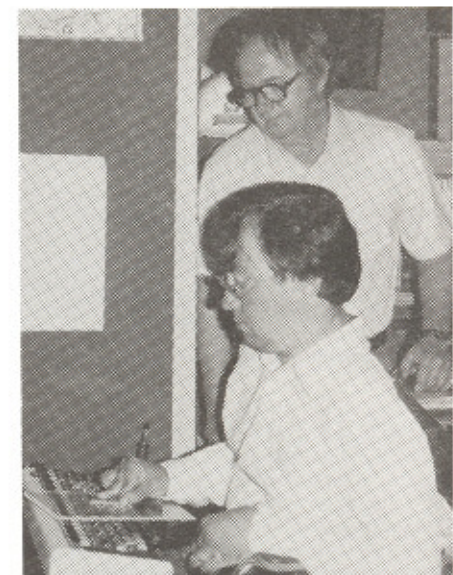
The Missing Link provides the handicapped individual a way to access the keyboard without hitting the wrong keys. It consists of two long pieces of plastic, called edge guards, and one piece of clear plastic with a hole in the center, called the key guard.

The edge guards are fastened above and below the keyboard so that the key guard slides across the keyboard. The hole in the

center of the key guard is for accessing any key. With both hands riding on the key guard and fingers reaching over the edges, any combination of keys can be pressed.

Jim received an award for his suggestion of using the Missing Link to help the handicapped individual. The St. Paul Rehabilitation Center has shown a great interest in using the Missing Link to assist other handicapped individuals. The University of Wisconsin—Stout is also conducting a survey on the type of usage it will receive and the type of a market there will be. Jim is now in the process of getting a patent for his invention.

The Missing Link can be obtained on a loan basis by contacting Marianne Price, equal employment officer, at (612) 725-7481.



Jim Johnson (right) watches Ron Tuura (left) demonstrate how the Missing Link works. *Photo by Pam Banks*

Satisfying the Ultimate Customer

"It is often the ultimate customer who is lost in the process of a project," according to Pete Fischer, chief of Engineering Division. "The ultimate customer is the individual, group or community who first requests that a solution be found for a water resource problem. It is important that we continually remind ourselves that it is this initial customer who needs to be satisfied," he explained.

Pete and Lou Kowalski, chief of Planning Division, both talked about customers getting "lost" in the process of getting a project studied, authorized and constructed.

The civil works process itself often contributes to the customer's confusion. Major projects go through an extensive review and approval process before they are sent to Congress for authorization and funding. "I think that sometimes communities lose track of their project because they don't understand the system. Because the process includes Corps review and approval and then Congressional authorization and funding, it sometimes appears to the local sponsors that nothing is happening," Lou said. "But in reality, the project is moving through the system—this might take several years on a large project—and that's why it is important for us to keep our customers tuned into the approval and authorization process and where their project is in the system."

There is one project currently in the system that is a good example of a community losing track of their project. During the early stages of the study, there was plenty of local interest in the project. The locals kept their Congressional delegations involved in the study, Lou explained. "But once the report was completed, the locals apparently were not aware of the process involved in getting the project authorized, funded and built. They appeared hesitant to contact their elected representatives to rally support for their project. They sat back and waited.

To the local community, the waiting appears to be inactivity on the Corp's part. Without any word from the locals, the Congressional delegations weren't making any efforts to move the project through the authorization process," he explained.

Construction-Operations Division has a similar problem with some of its customers. Many people in Minnesota and Wisconsin are unaware of the Department of the Army Permit Program and the need for individuals to get DA permits before filling wetlands.

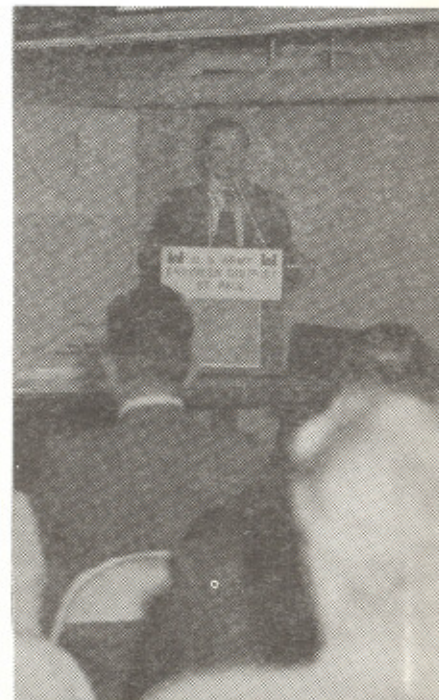
"These regulations help assure that our customers—the people of the the United States—have a present and future supply of clean water. The regulations also serve to protect valuable wildlife habitat from development," Bill Goetz, chief of Construction-Operations Division, said.

In response to this need to make our customers aware of laws and regulations which affect their activities, Regulatory-Functions Branch has stepped up its efforts to present its programs to the people in this region.

Last year, the district's booth at the Minnesota State Fair focused on DA permit requirements and the Regulatory Functions Program. This year, a key tool being used to increase public awareness of the permit requirements is a narrated slide program created by the people in Regulatory-Functions. "Dennis Cin and his staff have

15 Steps Civil Work

1. Action by local people if they perceive water resources problems
2. Action by Congressional delegation and Congress
3. Initial funding of study
4. Accomplishing the study
5. Division (Regional) review
6. Review by Board of Engineers for Rivers and Harbors (BERH) or Mississippi River Commission (MRC)
7. Preparation of Chief of Engineers report
8. Administration Review



8. Administration Review

shown the slide show around the state and it has received very favorable comments. Sometimes to serve your customers, you have to take the extra step to present your program in a way that is more understandable," Bill explained.

While project managers from Engineering and Planning have substantial amounts of dealing with local residents and community officials during the planning and advanced engineering phases of a project, Con-Ops employees are often in the forefront in face-to-face dealings with the public on a daily basis.

From construction sites and the locks and dams, where Corps employees live and work in the community, to the district's recreation areas, where park rangers meet and greet visitors, dealing in person with customers is a big part of the Con-Ops job. For many of these customers, the contact with a Corps employee at a lock or campground may be the only contact they have with the Corps of Engineers.

"In all of our work, we keep in mind that we are directly responsible to our customers and that many of us are representing the Corps on a face-to-face basis with the ultimate customer. We must deal courteously and honestly with all of our customers," Bill said.

The possibility of natural disasters and national emergencies results in customers with special needs and concerns. In both cases, Emergency Management Division has tailored its programs to meet those unique customer needs.

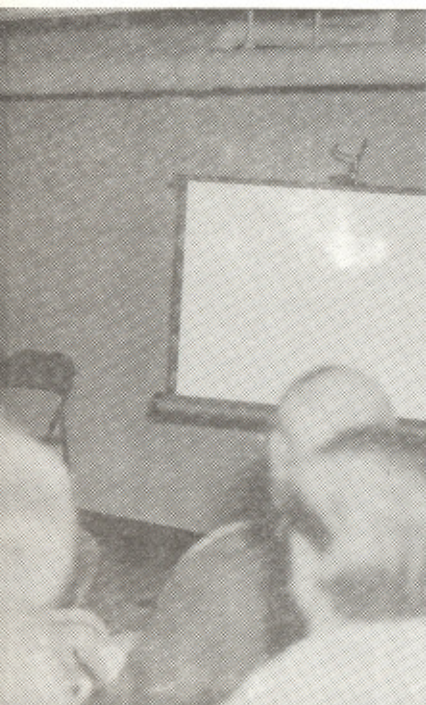
"In working with both local Army installations on mobilization planning and with local communities on floodfight

training and technical assistance, our efforts are directed outward. The installations and the communities are the ultimate customers," Dave Christenson, natural disaster planner in Emergency Management, said. "The mobilization plans we prepare are not the final product. Rather, the service that those plans provide to installations is the real product we are providing. Similarly, planning and conducting a floodfight training exercise in a local community is not the final goal. Instead, the product we are providing to that customer is the ability to be better prepared to deal with the next disaster," Dave explained.

In the final analysis, providing customer care is often a matter of communications and responding to their needs. Communications is a key part of customer care.

As Pete Fischer put it, "No matter who the customers are, we should be more responsive to their needs and tell them what we are doing and why we are doing it. By keeping communication channels open, customers will feel more comfortable coming to the Corps with their concerns."

ops to a ks Project



9. Continuation of Planning and Engineering (CP&E) or Advance Engineering and Design (AE&D)
10. Congressional authorization
11. Plans and Specifications for project implementation
12. Funding for project implementation
13. Contract between the Federal Government and non-Federal sponsors
14. Project implementation
15. Operation and maintenance

1985 Corps Picnic

Wind and rain didn't stop Corps employees from celebrating the Corps' and Army's 210th Anniversary. The district celebrated the event by holding a picnic at Harriet Island on June 21. Retirees and employees joined together with family members for the afternoon's activities.

Col. Rapp began the celebration with an awards ceremony to recognize those employees who had outstanding achievements. During the ceremony, the entire St. Paul District was recognized for its outstanding safety record during fiscal year 1984 by North Central Division.

Shortly after the awards ceremony, the sun began to shine brightly just in time for the volleyball tournament. Fourteen teams, consisting of 148 participants, played against each other throughout the afternoon. The tournament ended with the Terminators taking first place. The members included Steve Eggers, Dave Dralle, Dave Ballman, Teri Sardinias, Stephani Dupcy, Dan Estrem, June Olson, Bob Dempsey and Howard Ecklund.



Mary Rivett, Leo Greer and Col. Rapp tasted samples while judging the bake-off contest. The fruit pie made by Jim Stadelman took first place, second place

went to Teri Sardinias for her Pascals cheesecake and Joe Yanta took third place for his Nut Goody bars.

Photo by Pam Banks



Ron Tuura watches as the eager youngsters search for pennies in the sawdust. Even though the wind blew sawdust into their eyes, the youngsters didn't quit.

Photo by Pam Banks



A race to see who could get their shoes on first, kept the youngsters busy while they waited to eat.

Photo by Pam Banks

Corps Helps Twin Cities Celebrate Summer Solstice

by Meredith McNab (PA)

The idea took shape slowly: There would be a dance to greet the coming of summer, a celebration of the seasons and the beauty and history of the Mississippi—and it would be staged with the help of the Corps of Engineers.

The dance, "Solstice Falls on Friday," was performed at 8 p.m., June 21 on the bright yellow mooring cells in the Mississippi River at the Upper St. Anthony Falls Lock and Dam in downtown Minneapolis.

Hundreds of people lined the 3rd Avenue bridge to watch local choreographer and dance therapist Marylee Hardenbergh lead nine professional dancers from the Twin Cities in celebrating the summer solstice—the highest point of the sun's ecliptic and the longest day of the year.

The dancers and spectators listened to music written specially for the dance and broadcast over a local radio station.

Ms. Hardenbergh said she is intrigued by the harmony and order of the sun's passage and said she hoped the dance would unite viewers with the solstice, the river and the navigational system at the "birthplace of Minneapolis."

She spent two years working out the details of the performance. In 1983 she presented her "space harmony dance" idea to Roger Worth, then lockmaster at the Upper St. Anthony Falls.

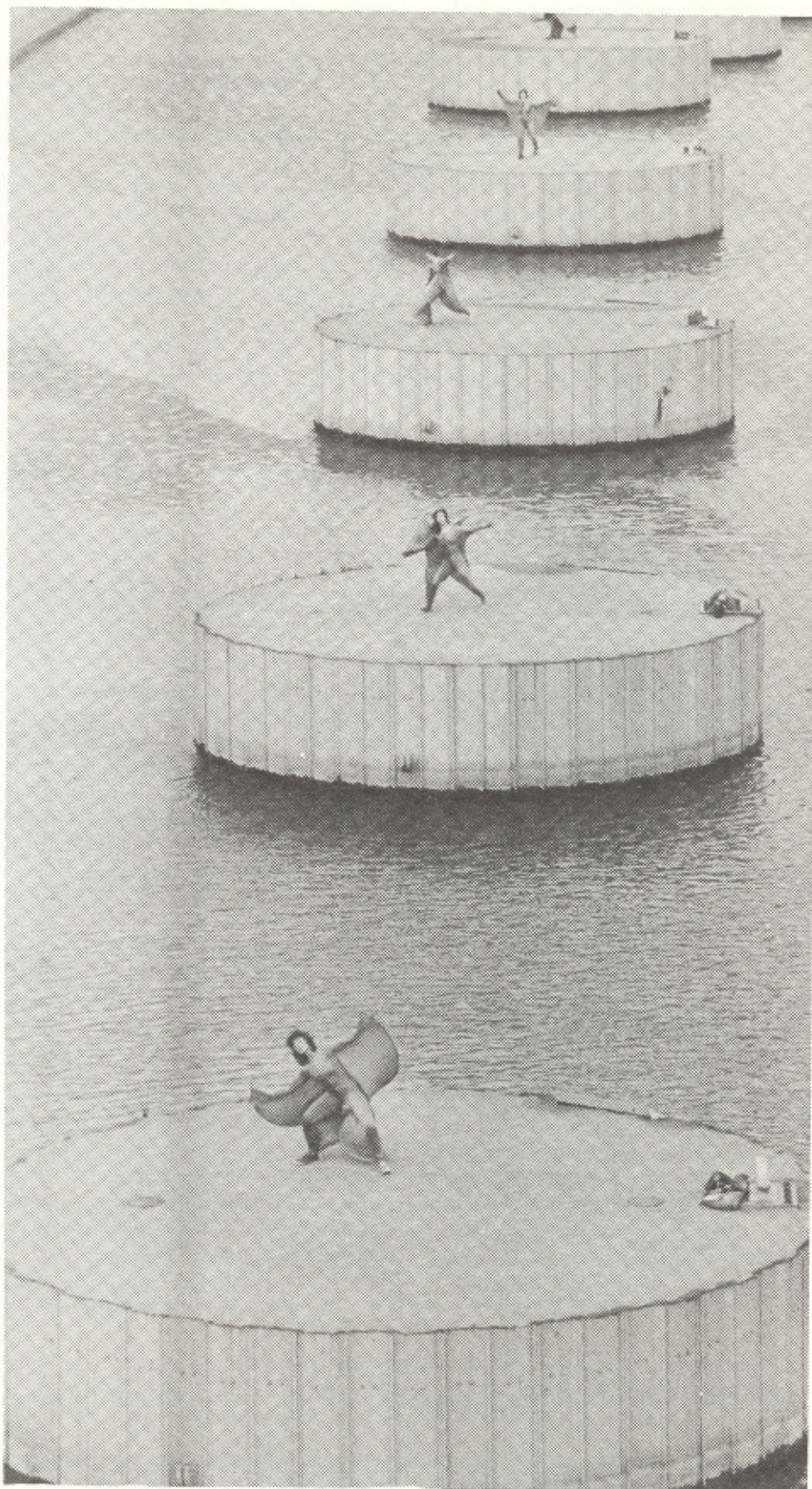
Although Roger admits he was skeptical at first, he said his enthusiasm for the idea grew after he met with Ms. Hardenbergh. Convinced of its value, he helped promote the dance within the Corps.

"I think the dance got off the ground pretty well. It reflects well on the Corps as part of the community and shows how we contribute to city living," Roger said.

Bob Stahl, now lockmaster at the Upper St. Anthony Falls, coordinated the Corps' role in the performance. He and other St. Anthony Falls employees ferried the dancers out to the mooring cells and set up a safety boat for the performance and dress rehearsal. He too called the performance a success.

Ms. Hardenbergh is a member of the Academy of Registered Dance Therapists and a certified Movement Analyst who studied choreography in Scotland as a Fulbright scholar.

The dance was performed again on Saturday, June 29, in conjunction with a choreographic production on nearby Nicollet Island sponsored by the Minnesota Independent Choreographers Alliance and the Walker Art Center.



Dancers celebrate the summer solstice with a performance on the mooring cells in the Mississippi River at the Upper St. Anthony Falls Lock and Dam.

Hundreds of people lined the 3rd Avenue bridge to watch the dance, choreographed by Marylee Hardenbergh.

Open Sea Leaves Employee Exhilarated

Tom Raster says high winds, waves and the world-class sailing competition left him exhilarated but humble during the 16th Sunfish World Championship races held June 14-20 in Riccione, Italy on the Adriatic Sea.

According to Tom, "For two days (four races), we experienced what locals said were winter-type storms—30 knot winds and waves like I've never sailed in before.

"Going downwind was exhilarating to say the least...I was surfing totally out of control at times, convinced my boat was going to pitch-pole (somersault)."

Despite many gulps of sea water, Tom never capsized and finished 53rd out of 69 boats in the 5-race series.

Tom said the adventures continued on more solid ground as well. He and his wife, Jan, had a chance to sample some Italian delicacies including fried battered squid and gelato—Italian ice cream.

They also learned about some Italian customs firsthand (like not changing napkins for a week straight) and eventually took to smuggling butter to lunch and supper because it was provided only at breakfast.

Tom said the Italian people were "ultra nice and so accommodating," and that the other sailors were "terrific," both on and off the race course.

"I was particularly pleased that the Sunfish World Championship turned out to be truly world-class in every respect," Tom said.

Six countries were represented in the top ten finishers: Bahamas, Bermuda, Columbia, Curacao, United Kingdom and the U.S. Sailors from Aruba, France, Canada, Holland, Italy, Peru, Puerto Rico, Saudi Arabia and West Germany also competed.

Tom said he was thrilled to be at the 1985 Worlds and hopes to qualify again in the regional championship race that will be held near Fergus Falls, Minn. in August.



August 4
U.S. Coast Guard is founded, but it's called the U.S. Revenue Marine, 1790.

Employee Undergoes Surgery

Bill Gray, chief of the Hired Labor Unit, is undergoing therapy at the University of Minnesota Hospitals. According to Craig Hinton, chief of the Mississippi River Section, Bill underwent two operations to remove a mass of abnormal blood vessels from the base of the brain. Bill was hospitalized on March 2nd.

"The pressure caused from these blood vessels has given Bill some problems with his speech and coordination," Craig said. "However, when Colonel Rapp and I visited with Bill the week of June 22nd he seemed to be stronger and improving."

Contractors Win Awards

The Winona Construction Company and the J.E Brennan Company were recently presented with the St. Paul District Certificate of Merit. Both companies were recognized for outstanding safety records while working on the Winona Flood Control Project over the last five years.

The Winona Construction Company, Winona, completed almost 46,000 work-hours without any injuries. The J.E Brennan Company, La Crosse, completed about 103,000 work hours without any injuries. Both of the companies completed contracts totalling more than \$37 million.

Summer Thirst Aid

Toast the warm weather with a tall, cool glass of nature's favorite cocktail: water. To counter the dehydrating effects of exercising in warmer weather, drink at least six eight-ounce glasses of water a day. Drink before you start to feel thirsty—if your body

fluids drop due to exertion, you could suffer heat exhaustion or heat cramps.

Don't take salt tablets except under doctor's orders. Most experts now agree that you take in sufficient salt in your normal diet to avoid heat-induced illnesses.

CRIME STOP

It probably takes a month to fill this wallet legally, but it only takes seconds to empty it illegally!



LOCK IT UP