



US Army Corps
of Engineers
St. Paul District

Crosscurrents

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December 1991

Rochester celebrates Corps project



District Engineer Colonel Richard Craig and project manager Deb Foley recently joined Mayor Chuck Hazama and city officials in celebrating the completion of Stage 1B3 of the Rochester flood control project. The November 12 ceremony marked the completion of about 1.5 miles of the nine-mile-long project, extending from the Seventh Street bridge south to the Mayo Civic Center. The work included widening and deepening the Zumbro River channel. Recreational facilities were also added, including hiking and biking paths, a pedestrian bridge and a picnic shelter.

Scheduled to be completed in 1995, the \$140 million project is aimed at preventing a repeat of the 1978 flood which claimed six lives and caused more than \$60 million in damage.

News and Notes

Security awareness helps prevent crime

Dave Christenson,
Emergency Management Division

Another year is quickly coming to an end and most of us are busy preparing for the upcoming holidays.

Although crime occurs throughout the year, it seems to occur more frequently shortly before the holidays. At this time of year, a greater awareness of security needs to be developed and practised in order to prevent crime in our homes and place of employment.

Following a few basic guidelines will help insure that you do not become a victim of crime in the workplace:

- Lock all doors when leaving your office area, especially if you are the last to occupy it. This includes during daytime hours, not only at the close of business.

- Carry your valuables with you, or put them in a LOCKED cabinet, desk or closet. An area restricted to everyone except yourself is best. If you do have something stolen, immediately call the St. Paul police at 911, then

contact the Federal Protective Service at 725-3642. Finally, report your theft to Emergency Management, x204.

- Remember, a thief can dress as neatly and as professionally as anyone else. If you see an individual you don't recognize, approach them and ask if they need assistance in locating an office or district employee. Offer them assistance, yet pay attention to where they go. Notice if they head in the direction you sent them. Ask if they can give you a legitimate reason for being in our work area. If you become suspicious of anyone's behavior or presence, call the St. Paul police or Emergency Management.

- Use caution when walking to and from your vehicle, especially now since it gets dark so early in the evening. Have your keys available for quick access to your car. Be especially careful when parking in underground and enclosed parking garages. Walk with a buddy whenever possible.

Have a safe and secure holiday season. Be aware of your security, help prevent crime throughout the year.

Combined Federal Campaign exceeds goal

There's no pie on our face this year!

The St. Paul District raised \$27,492 for the Combined Federal campaign, exceeding our goal by more than 7%.

Pledge cards were submitted by 53.5% of district employees. For the first time, the district qualifies for a Gold Award of Excellence because we contributed more than \$65.00 per person. In addition to the pledges, the drop-a-coin, used book sale and bake

sale raised \$240, which was given as an additional corporate contribution.

Special thanks go to Jeanne Anderson, Mike Beaupre, Ferris Chamberlin, Stephanie Duprey, Al Geisen, Dawn Kirscher, JoAnn Meier, Jan Pream, Julie Ritter, Lupe Santos, Heather Sheldon, Delores Smith, Carol Vierck and Linda Wiley. Thanks also to Wuollet's Bakery, Fitzgerald's, Rudolph's, Awada's and the Minnesota Twins.

Congratulations

Vicki Fetterly, formerly of Emergency Management, has a new position with Engineering Management Branch.

Karen Nagengast has completed her 120-day assignment as chief of the Public Use Planning Section. On November 17, **Frank Star** began his 120-day assignment as section chief.

Welcome

Luann Bartuah has joined Logistics Management as travel clerk.

Kurt Henrickson has returned to Logistics Management as a temporary supply clerk.

Stay-in-school student **Antonio Reynero** has joined Logistics Management as a supply clerk.

James Schwecke is new in the Logistics Management Office as property disposal officer.

Audrey Tilden is the new chief, Contracting Division.

Oops!

The editor apologizes to **Deb Foley** and **Pat Foley** for inadvertently changing the composition of their family. Contrary to news reports, they recently gave a presentation to their son's first grade class.

Apologies also are due **Neil Schwanz**, Geotechnical Design Section. Neil (not Kevin Kleithermes as previously reported) accompanied Tom Sully in his recent presentation to the engineering fraternity at the University of Minnesota.

Lock & Dam No. 3 rehabilitation project dedicated



A November dedication and ribbon cutting ceremony marked the completion of more than five years and \$10 million dollars of rehabilitation work at Lock & Dam No. 3.

During the ceremony on November 15, District Engineer Colonel Richard Craig acknowledged the spirit of teamwork that made such a major engineering and construction task possible. In his remarks, Col. Craig recognized the contractors - those who provided engineering and design, those who supplied equipment and important materials and those involved in the actual construction - as valued partners in the effort. He especially mentioned the A/E firm of Toltz-King-Duval-Anderson and Associates of Minneapolis, who did the building design, and the Joseph Company of Austin, who was the general contractor.

The dramatic cantilevered central control station is the newest lock and dam control building on the Mississippi River. Its construction is part of a \$225 million dollar effort by

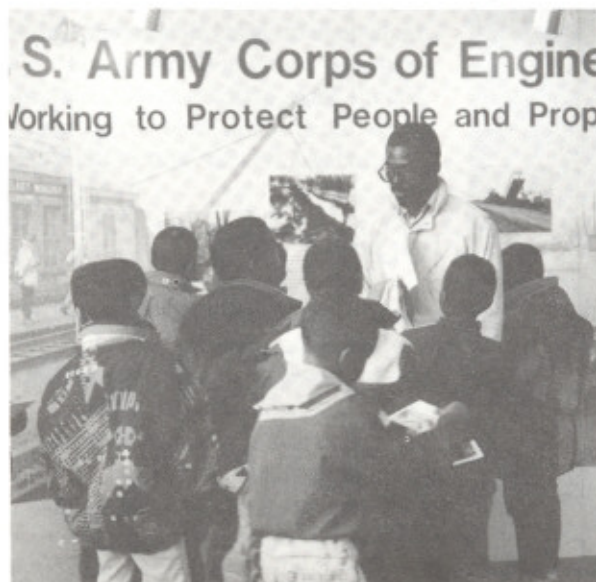
the district to modernize and repair the system of ten locks and dams between Hastings, Minnesota and Guttenberg, Iowa. This work has been underway since 1983 and will continue at the ten sites until 2001.

While the work varies from site to site, it generally involves dewatering each lock, concrete inspection and repairs, repairing miter valves and tainter gates, replacement or modernization of

electrical systems and motors, and replacement of mechanical systems that operate the locks and dam gates. In some cases, the project includes building new facilities, such as the dramatic new control building at No. 3.

As part of the celebration, Pipecarrier Ray Owen, spiritual leader of the Prairie Island Sioux Community, gave an invocation. As shown in the accompanying photo, Colonel Craig, lockmaster Dave Hawkenson and resident engineer Doug Baird were assisted in the ribbon cutting ceremony by the mayor of Red Wing, Romeo Cyr; Commissioner Harold Craig, chairman of the Minnesota-Wisconsin Boundary Area Commission; Carter Wagner, vice-president of Joseph Company; and Jim Voyen, vice-president of Toltz-King-Duval-Anderson and Associates. Dennis Erickson, chief of Lock and Dams Section, was master of ceremonies.

The following Saturday, a public open house was held at the lock. More than 500 people from throughout the area enjoyed an afternoon of tours of the facilities, displays, videotapes, views of the river and several lockages.



This group of Cub Scouts from West St. Paul joined more than 500 people visiting the open house at Lock & Dam No. 3 on the day after the official dedication of its rehabilitation. According to lockmaster, Dave Hawkensen, "We are really proud of this place. The weather really cooperated. We had a great time showing our friends from along the river the new facilities."

January

Diversity Appreciation Week was celebrated. Over 600 district employees participated in wide variety of workshops, performances and discussion groups.

February

The dewatering of Lock and Dam No. 10 in Guttenberg, Iowa was successfully completed. This rehabilitation project was the first time the lock had been dewatered since its construction in 1937, because of the difficulty with seepage under, around and through the steel-sheet piling of the lock walls.

March

Amidst a flurry of media attention, Jim Ruyak, Headwaters project manager, left for three months of reconstruction work in war-torn Kuwait.

The popular visitor area at Lock & Dam No. 1 was closed because of falling rock from the bluff above the visitor parking area.



April

Secretary of Defense Cheney removed the Corps reorganization proposal from the DoD Base Realignment and Closure (BRAC) process. The reorganization plan called for closing the St. Paul District and 13 other districts.

May

Four lock operators from St. Anthony Locks and Dam were honored for their rescue efforts following a boating accident above St. Anthony Falls in which one boater was killed. The Minneapolis Police Department's Citizen Award of Valor was presented to Jim Nelson and Chris Granum. George Rodriguez and Jeff Anderson were awarded the department's Certificate of Appreciation.

Chuck Crist, chief of Projects and Programs Management; Norm Hildrum, chief of Information Management; Mary Schommer, civil engineer, Planning Division; and Natalie Siok, office manager, Eastern Area Construction Field Office were selected as Civil Servants of the Year.

June

The district hosted the 4th Annual National Lock Operations and Maintenance Conference. More than 200 lock-oriented people attended workshop sessions on sign manuals, lockmaster's legal authority, maintenance procedures, hazardous materials and spills management.

1991: the ye



July

Base Closure Commission includes Corps reorganization in BRAC recommendations sent to president.

An estimated 500 people attended the change of command ceremony in which command of the St. Paul District was transferred to Colonel Richard W. Craig. Colonel Roger Baldwin, district commander since July 1988, retired after 27 years on active duty.

August

This year's exhibit at the Minnesota State Fair focused on the 125th anniversary of the founding of the St. Paul District office. The exhibit was the first public showing of copies of rare photographs of the Mississippi River. The original cyanotypes were made by Corps "draughtsman" Henry Bosse under the direction of Major A. Mackenzie between 1883 and 1892.

Year in review

September

Bill Goetz, former chief of Construction-Operations Division, was inducted into the district's Hall of Fame during the 16th annual "Old Timer's" reunion. More than 100 district retirees, spouses and current employees attended the luncheon.

District scientists were part of 52 interagency teams that inspected 450 sites throughout the country for the effects of proposed changes in wetland delineation standards. One team that included Regulatory biologist Steve Eggers traveled over 2,100 miles in Minnesota and Wisconsin.

An open house was held at Lock & Dam No. 1 to celebrate the 125th anniversary of the founding of the Corps office in St. Paul and the re-opening of the lock's visitor area, which had been closed since March because of falling rock.



October

Over 650 district employees participated in a wide variety of activities during Diversity Appreciation Week, designed to help employees become familiar with backgrounds and cultures different from their own.

District Commander Colonel Craig was joined by Congressman Bruce Vento and St. Paul Mayor Jim Scheibel in celebrating the beginning of the first phase of the St. Paul Flood Control Project.

A new era of partnership in the management of the upper Mississippi River began with the signing of a partnering agreement by the district and 12 other federal and state agencies.



November

Congress votes to remove Corps reorganization from BRAC process.

A dedication and ribbon cutting ceremony marked the completion of more than five years and \$10 million dollars of rehabilitation work at Lock & Dam No. 3. An open house was held the next day which drew more than 500 people on tours of the new facilities.

District Engineer Colonel Richard Craig and project manager Deb Foley joined Rochester Mayor Chuck Hazama in celebrating the completion of Stage 1B3 of the Rochester flood control project. The ceremony marked the completion of 1.5 miles of the \$140 million, nine-mile-long project.

December

The annual district holiday party was held at Leeann Chin's, Union Station. Over 300 employees and retirees attended. Winners of the 2nd annual suggestion program were also announced.

Workers told they're building "arsenal of democracy"

John Anfinson, district historian

While no Corps of Engineers District lay farther from the battlefields of World War II, the St. Paul District contributed significantly to the war effort by constructing a small arms ammunition plant.

In the spring of 1940 when Germany invaded Western Europe, President Franklin D. Roosevelt initiated ammunition plant construction. As the Allied situation became more critical, the pace of construction was increased. Congress supported the president's call for the U.S. to become the world's "arsenal of democracy," authorizing a second wave of munitions plant construction. The Army planned to make one plant, the one that came to be known as the Twin City Ordnance

plant near New Brighton, "the world's largest supplier of .30 caliber and .50 caliber shells."

In July 1941, The Quartermaster Corps selected a 2,425 acre site eight miles north of the Twin Cities. On August 15, after farmers, proprietors and residents who occupied the site were relocated, construction equipment was moved in and work on temporary buildings began. At that time, Major General Eugene Reybold, Chief of Engineers, estimated that the Army would begin to receive ammunition from the plant in September 1942.

With the Japanese attack on Pearl Harbor and the U.S. entrance into the war in December 1941, the purpose of the plant took on new urgency. An ordnance plant narrative observed that the attack "transformed (the

plant's) identity overnight into a vital war industry." Construction work on the plant increased to a 7 days per week, 24 hours a day schedule. On December 15, the Army transferred the Quartermaster Corps construction director, Captain Lynn C. Barnes, to the St. Paul District where he became the area engineer.

By the time the St. Paul District took over, nearly all the principal buildings were enclosed. However, work was far from complete. The Army had decided to double the plant's production capacity by building two additional .30 caliber buildings, one .50 caliber building and support buildings.

All major construction was completed in sixteen months. In January 1943, Lt. Colonel John H. Hinrichs, Ordnance Department commanding officer at the



Editor's note: This article and photograph originally appeared in the *Pioneer Press*, November 30, 1941.

More than 5,000 workmen busily engaged in the construction of the St. Paul ammunition plant near New Brighton, assembled Wednesday to hear Colonel W.D. Styer, deputy chief of the War department construction division.

"Bombs and shells are the only talk the Nazis can understand," the colonel told the assembled workers in a speech delivered from the platform of trucks. The workers listened attentively, cheered heartily.

"You are building a city here," Colonel Styer said. "There

will be buildings, first aid stations, a police station, a fire system, an elaborate storage system for explosives and a system of lightning protection, a system of roads and a railroad. All that is to produce munitions for the United States Army and for the friendly nations across the water, England, Russia and China. Here in this plant will be loaded the shells that will be fired in the defence of America.

"You are the builders of the arsenals of democracy." Styer told the workmen the only thing that can save England and Russia is our help and urged that there be no letup in work.

The colonel headed a delegation of fifteen officers, representing various branches of the War department in a tour of Twin Cities defense plants.

plant, observed, "the construction time and the time it took to get into production is recognized by the Army as a record." The production of .30 caliber shells began in early February 1942, well ahead of General Reybold's prediction. And on March 9, the Ordnance Department accepted the first .50 caliber shell produced at the plant. On March 31, 48,000 rounds of .30 caliber shells were loaded onto waiting trucks to be hauled to the railway depot and shipped to the Milan Ordnance depot in Tennessee.

In its first ten months of operation, the plant produced 684,536,400 rounds of ammunition, a quick and significant contribution to the Allied effort.

Editor's Note: This month marks the 50th anniversary of the beginning of World War II. This article, second in a series, describes yet another important contribution made by the St. Paul District to the war effort.



This poster was one of many from the screen process shop at the Twin Cities Ordnance plant. The shop was under the direction of Gene Hundemark, a well-known graphic artist from Minneapolis.

District Holiday Events

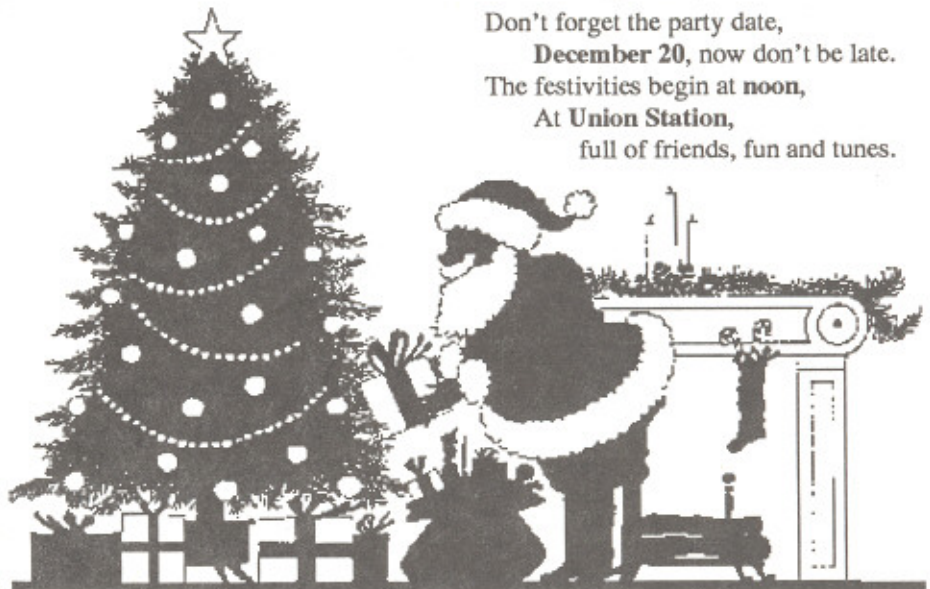
Too early to think about Winter?
I'm afraid its already here.
The Corps Holiday Party,
Is quickly drawing near.

Ticket sales started this December,
Deadline is Friday, the 13th.
So this poem to help you remember.

Tickets for buffet and all merriment,
Just **\$7.75**, purchased in advance.
Leeann Chin's menu is below,
Just reading it is pure enjoyment.

Cream cheese puffs and Chinese salad,
Vegetable stir fry and Fried rice,
Pineapple chicken and Fortune cookies.
Beverage is tea, of course.

Don't forget the party date,
December 20, now don't be late.
The festivities begin at **noon**,
At **Union Station**,
full of friends, fun and tunes.



Time to help Santa

A collection "sleigh" for **Santa Anonymous** has made its annual appearance in the district offices. This seasonal program provides gifts to Twin Cities children who might not otherwise have a very happy holiday.

District organizer, Dave Berwick, chief of Cultural Resources, hopes that district office employees will again be generous in their support of the **Santa Anonymous** program.

This year, just drop off any new toy or game (unwrapped) in the collection basket. **Santa Anonymous** will take care of the rest - making a child's holiday a little bit brighter.

Winners to be announced

The 2nd annual suggestion program awards presentation will be held at the holiday party on December 20.

The names of the "suggester of the year," "evaluator of the year" and "implementer of the year" will be announced. Each winner will receive a cash award and a plaque for their participation in the Army's Ideas for Excellence program.

All employees who submitted or evaluated a suggestion, or implemented an adopted suggestion during the last fiscal year were eligible for the awards.

The wait is over! Come and learn if your suggestion won *you* an award.

Letter to the Editor

Taxes well-spent

Please allow me to publicly thank the St. Paul District, Army Corps of Engineers, and the employees of Lock & Dam No. 3.

On November 16, 1991, I attended the open house of Lock & Dam No. 3. I now have a much better understanding and a great deal of appreciation for the work that is done at the lock and dam.

I was very fortunate to be in a tour group led by dam operator William Neeley, who gave us a most fascinating tour of the inner workings of the lock and dam systems. I wish also to thank lockmaster Dave Hawkenson for answering my questions and giving me a tour of the control room.

As a part-time, free-lance photographer, I am very grateful for the chance to make some photos that wouldn't have been possible without the open house.

As a taxpayer, I feel that my money has been well spent on the rehabilitation.

Thank you,

George Vickery
Red Wing, MN

Planning Division Reorganizes

NCD has approved combining two planning division branches - the Plan Formulation Branch and Floodplain Management and Small Project Branch. Under the new structure, all planning division study management will be contained in a single new branch, known as the Water Resources Study Branch. Branch chief is Bob Northrup. Office symbol for the new branch is CENCS-PD-WR.

FWP sponsors monthly presentations

The Federal Women's Program (FWP) sponsors monthly presentations on a variety of issues that concern the district's work force.

Some presentations are videotapes, others are guest speakers. The FWP encourages all district employees to attend. Your participation shows support for the goals and objectives of the Federal Women's Program. You'll not only benefit from each program, you'll also gain insight into the concerns of your fellow employees.

1991 - 1992 Presentations*

Alzheimer's Disease	17 December/ Room 1033
<i>Speaker: Jim Martin, Wilder Foundation</i>	
Overcoming Barriers to Success	21 January/ Room 1033
<i>Speaker to be announced</i>	
Leadership Skills	18 February/ Room 1033
<i>Video: "The Captain is a Lady"</i>	
	19 February/ Sibley Bldg
Financial Issues for Women	17 March/ Room 1033
<i>Speaker to be announced</i>	
	18 March/ Sibley Bldg
Visualization for Goal Setting	21 April/ Room 1033
<i>Video: "The Sky's the Limit"</i>	
	22 April/ Sibley Bldg
The Importance of Grandmothers	19 May/ Room 1033
<i>Video featuring Oprah Winfrey</i>	
	20 May/ Sibley Bldg

* All presentations are given at 11:30 am and again at 12:30 pm



Crosscurrents

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