



US Army Corps  
of Engineers  
St. Paul District

# Crosscurrents

Vol. 7

No. 3

May 1984

## Planning Team Of The Year

The North Central Division (NCD) Planning Awards Committee selected the St. Paul District Mississippi River Planning Team as the NCD nominee for the Outstanding Planning Achievements Award. The members of the "Planning Team of the Year" are: James Holleran, Edward McNally, Thomas Oksness, Gary Palesh and Russel Snyder. Their nomination was forwarded to OCE for further consideration.

Numerous specialized teams were organized to address specific aspects of this expansive planning effort (e.g. GREAT I team, Channel Maintenance Team). None of these planning teams was more productive than the Mississippi River Planning Team. This interdisciplinary team was assigned the important responsibility of accomplishing specialized planning in the areas of resource management and public use. These efforts have provided sound direction for Federal land use and associated multi-purpose resource management. As a result, the St. Paul District has received several commendations and Corps-wide design awards.

Congressional designation of the commercial navigation channel and the Upper Mississippi Wildlife and Fish



*From left to right: William Goetz, Louis Kowalski, Gary Palesh, Edward McNally, Russel Snyder, Thomas Oksness, and Col. Edward Rapp.*

Refuge established this unique resource as the only river in the United States designated as both a navigation system and a fish and wildlife refuge. A third Federally mandated purpose is outdoor recreation and associated op-

portunities for public use.

With the completion of the Land Use Allocation Plan (LUAP) in 1983, another important milestone has been achieved.

### American Indian Week

by Jody Rooney  
Tribal Coordinator

The District will be observing American Indian Week from May 1-11, 1984. The theme that was used last year, showed the concept of Tribal homeland and how our Federal responsibilities could affect the homeland of the Indian people. This year we will expand on this theme.

#### MAY 2, 1984

The film "More Than Bows and Arrows" will be shown in Room 1033 at 11:45 a.m. This film talks about the Indians and their way of life in a cultural context.

#### MAY 7, 1984

Ed Fairbanks, Director of the Leech Lake Reservation Department of Natural Resources, will present a slide show and talk about hunting, fishing, and game management on the reservation, at 11:30 a.m. to 1:00 p.m. in Room 629.

#### MAY 11, 1984

An executive breakfast seminar will be held. The keynote speaker will be Larry Aitken, chairman of the American Indian Studies Program, at the University of Minnesota-Duluth (U.M.D.). At 11:30 a.m. in Room 629, Mr. Aitken will talk about what "homeland" means to him as an Indian.

The American Indian culture is very different from ours and very admirable

in many respects. This gives a tremendous opportunity to learn more about a people we share the state with.

### Government Employee Sentenced

(Editors Note: The following article was published in the Marine Corps Finance Center Disbursing Dimensions, 8 December 1983.)

A Government employee charged with submitting false travel vouchers for expenses of \$775 which were incurred while on personal business, was sentenced to 60 days in jail. In sentencing the individual, the magistrate told him that as a Government

*continued on page 7*

# Commander's View

by Col. Ed Rapp  
District Engineer

This issue of Crosscurrents focuses on a very significant part of the district's program—new starts.

While a project goes through several stages in its development and involves most people in the district either directly or indirectly, the key part involves how these projects originate. Our new starts are a result of the people of this region asking for federal engineering assistance in resolving some water-related problems. Often those problems are associated with too much or too little water. Too much and there is flooding. Too little, and there is drought.

Unfortunately, the water situation is complicated by the fact that we are dealing with a large unknown factor—nature. While records can tell us what has occurred in the past, we can only make educated guesses about what the short and long term weather patterns will be in the future.

However, a quick look at the typical water level history for a lake or river in this area can provide some insight into how past weather cycles have created water-related problems. And those concerns have been reflected in the work required of this district.

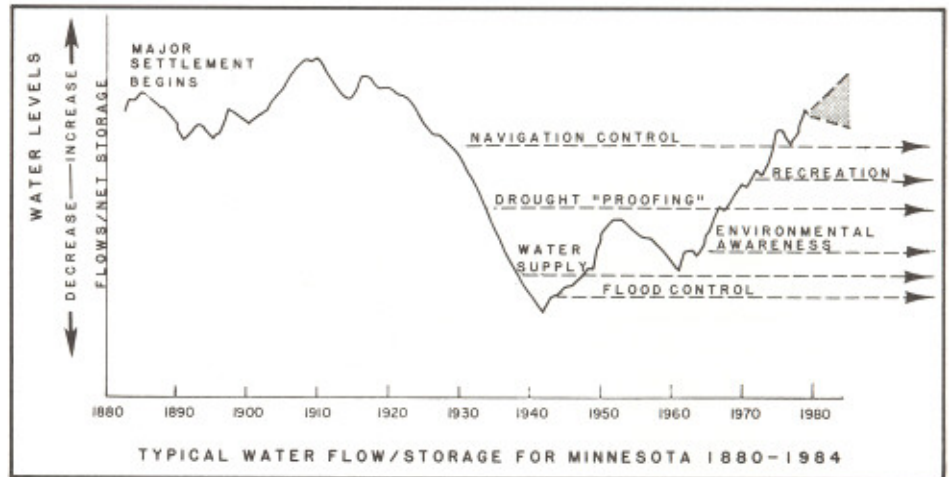
When mother nature changes, we are affected because the people we work for are affected. This is true today and has been since the beginning of this district in 1866. As the federal water engineers, it is our responsibility to try to anticipate what major climatological changes are going to take place in this region.

The chart shows water level patterns for a typical river or lake in this region for the past 100 years. The patterns depicted on this chart are based on actual records for several bodies of water in this region.

The development of major settlements in this area in the late 1800s produced the setting for future water problems. People congregated together in towns and cities are more concerned with water. They saw rivers and lakes as potential highways to speed transportation and aid development. They also saw the destruction caused by floods and the hardship associated with drought.

Changes in weather patterns are reflected in the concerns of the citizens.

When this region entered into a long-term dry period in the early 1920s, the public concern shifted from flooding to maintaining sufficient water flows to permit navigation on



the major rivers. It was the declining water levels and the concern for navigation which prompted the development of navigation projects including the nine-foot channel.

As the dry cycle continued through the 1930s, the public's concern expanded beyond navigation to include the desire to be "drought proofed."

It was during this period that many of our non-navigation storage projects were developed in response to the public's concerns about drought.

After nearly 30 years of declining water levels, mother nature did an about face in the early 1940s and the region entered a wet cycle. This switch from dry to wet produced a public demand for flood protection. This has been the thrust of our programs for the last several decades.

Continuation of the current wet cycle is bringing water levels up higher than they have been in nearly a century. This is very evident at Devil's Lake, Lake Pulaski and other areas in the district.

Complicating this situation is the fact that during long dry spells people tend to build closer to bodies of water since the threat of flooding is perceived as non-existent.

It is interesting to note that the short dry cycle recorded in the 1950s and ending in the early 1960s, coincides with the increase in environmental awareness and concern. The weather continues to have a major impact on our culture.

As we approach the half-way point of this decade, we are still responding to the public needs brought on by the wet

cycle which started more than 40 years ago.

It is against this backdrop of past trends and probable futures that we must develop water projects to meet the long-term needs of the citizens of this area. While the future water situation is uncertain, the best collective minds in the district believe that the wet cycle will continue for some time. The question is for how long and to what extent.

Considering the likelihood that the wet cycle is going to continue, new starts take on increased importance since many populated areas within the St. Paul District do not have protection against 100-year flood events. Providing some basic level of protection is a continuing emphasis within this district.

At the same time, we need to be anticipating needs of the people in the future. Using all of our expertise and professional capabilities, we need to be exploring the unknown territory of the future and using our discoveries to benefit the present and future residents of our region.



## Minnesota Indian Time 1984

The Minnesota Indian community is celebrating Minnesota Indian Time 1984 from April 24 to May 20, 1984. This year's theme, "Honoring Mother Earth Through Our Elders for Our Children," expresses the Indians oneness and continuity with their environment.

The coordinator of the festival has encouraged us to attend these following events and join the Indian community in celebrating Indian Time:

- May 5, 1984 Franklin Avenue Art Festival, Flea Market and Kid-die Show
- May 10, 1984 Feast and Pow Wow sponsored by the Leech Lake Reservation
- May 12, 1984 St. Paul American Indian Center Benefit Concert at Wiley Hall, University of Minnesota at 7:00 p.m.
- May 17, 1984 Film Festival

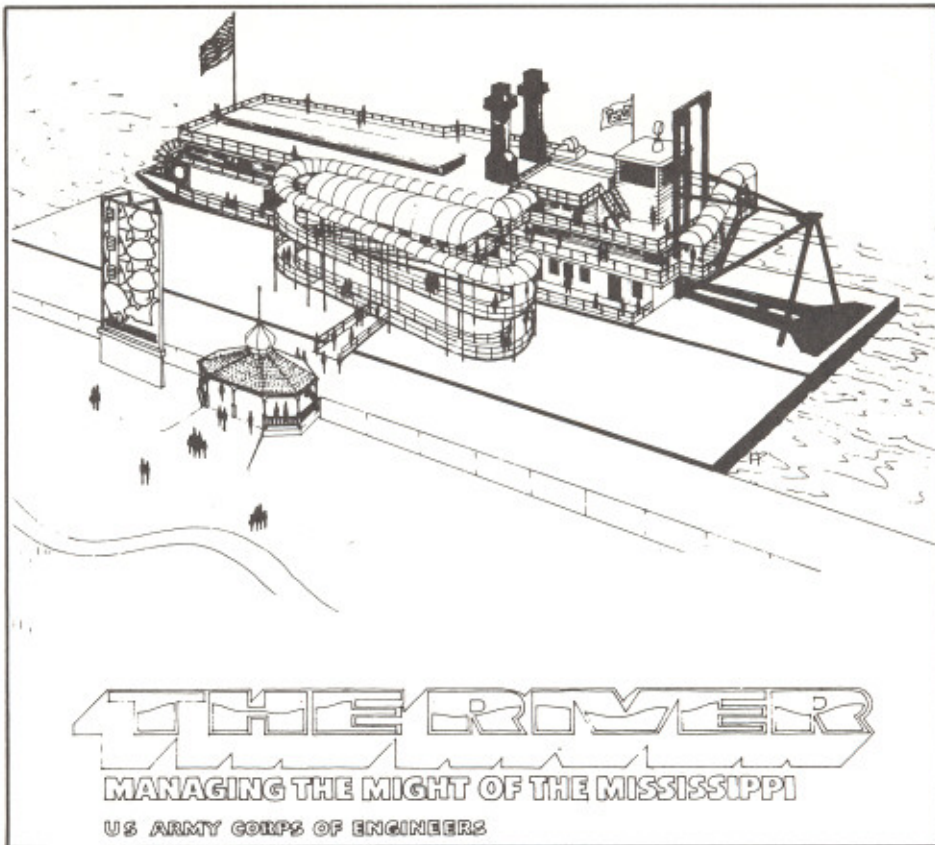
All events will be held around the Minneapolis American Indian Center, 1530 East Franklin Avenue, Minneapolis. There is a nominal fee for some of the events. Anyone wishing to attend these events, please contact Jody Rooney at 725-7577.

## Minnesota Society of Professional Engineers

by John Blackstone

The March-April, 1984 issue of "The Military Engineer" magazine published an article about the Minnesota Society of Professional Engineers. It gives a clear understanding of what this organization does.

If you haven't read this article, may I recommend it to you. In fact, I will send you a copy, just give me a call, John Blackstone, at 725-7600.



### Corps Participates in Louisiana Expo

The U.S. Army Corps of Engineers will present a special exhibit on the development of the Mississippi River basin at the 1984 Louisiana World Exposition, to be held in New Orleans from May 12 to November 11, 1984. The theme of the exposition is "The World of Rivers: Fresh Water as a Source of Life."

Realizing the importance of the Mississippi River to the citizens of the United States and the Corps' contribution to development of the Mississippi Basin, Congress authorized restoration of the retired dredge boat KENNEDY

for installation of state-of-the-art, multi-media exhibitry to explain the Corps' work in navigation, flood control, and environmental protection for the Mississippi River Valley.

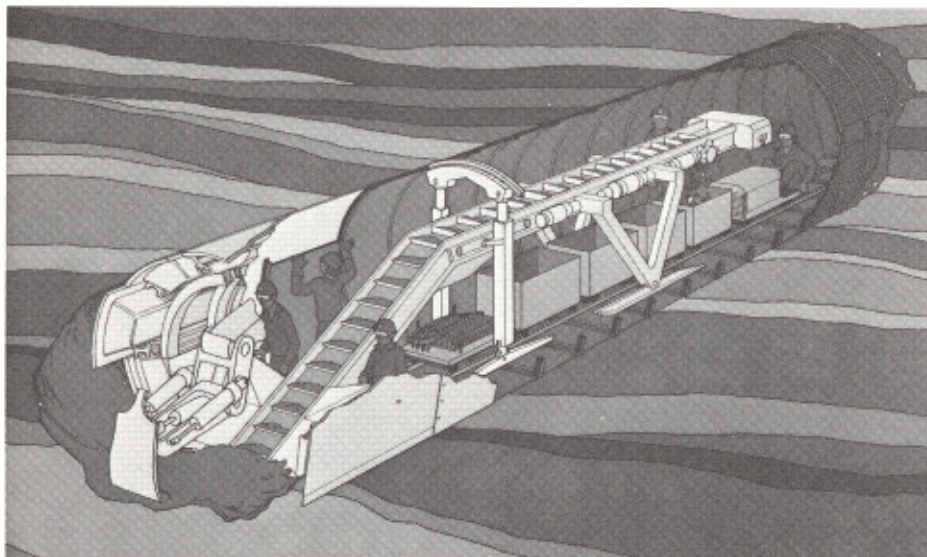
The displays will examine the geology, history and importance of the Mississippi, and the Corps' efforts to provide safety for navigation and protection from floods. Heart of the exhibits will be an electronic command center that will use computers, television and lighting to simulate a major flood.

Crosscurrents is an unofficial publication authorized under the provisions of AR 360-81. It is published monthly by offset for the St. Paul District, U.S. Army Corps of Engineers. Editorial views and opinions expressed are not necessarily those of the Corps of Engineers or the Department of the Army. Deadline for submitting articles is the 10th of the month preceding publication.

Address: Editor, Crosscurrents, U.S. Army Corps of Engineers, 1135 U.S. Post Office & Custom House, St. Paul, MN 55101.

District Engineer . . . . Col. Edward Rapp  
 Chief, Public Affairs . . . Kennon Gardner  
 Editor . . . . . Pamela McFaden

## NEW STARTS



*One method of soft ground tunneling, for the Bassett Creek Flood Control Project, is illustrated in the sketch above.*

A project goes through many phases before it is completed. At the beginning of each phase—surveys, advance engineering and design, and construction—the study or project is considered a new start. Once it has been funded initially in each phase, it is then considered a continuing project for future funding. The following projects are just a few of the new starts within the St. Paul District.

### **Bassett Creek, Minneapolis**

The Bassett Creek Flood Control Project is located in Northeast Minneapolis. This unique project offers a two-mile tunnel that will be 12½ feet in diameter and 80 feet below the ground surface in some areas, and will cut through sandstone and soft ground formations. The tunnel will replace an existing tunnel that is deteriorating and is undersized to safely handle flood flows. It will be constructed through a highly urbanized area of Hennepin County.

The project offers flood control at Golden Valley, New Hope and Crystal. It will consist of small control structures to back-up and temporarily store water on golf courses, parks and open areas, in order to prevent flooding in homes and businesses.

### **Chaska, Minnesota**

Chaska, Minnesota experiences annual flooding from the Minnesota River, and frequent flash flooding from Chaska Creek. The diversion of Chaska Creek into East Creek would help substantially. The proposed plan for Chaska includes 7,200 feet of diversion

channel on Chaska Creek, 1,500 feet of channel and channel improvement, 4,600 feet of low levee, 1,500 feet of cut and cover conduit on East Creek, 5,800 feet of upgraded levee, 3,200 feet of new levee and a pumping station.

The proposed plan also includes 1.6 miles of paved recreation trails on top of the levee and around Courthouse Lake. The first construction is scheduled to start in June of 1986.

### **Devils Lake, North Dakota**

Devils Lake, historically, has always been considered a part of the Red River Basin, but no flow from this sub-basin to the Red River has occurred in recorded time. Devils Lake is unique, in that it is actually a closed drainage system.

According to the Preliminary Basin-Wide Review Study (December 1980), rural damages account for over 99 percent of the total average annual damages in the sub-basin. The city of Devils Lake incurs a major portion of the urban damages.

Flooding potential has grown in recent years because of a steady increase in the Devils Lake water level. A firm understanding of basin hydrology and water quality is required to effectively evaluate the economic and environmental consequences of various water management alternatives. One proposed alternative includes an outlet channel from Devils Lake chain to the Sheyenne River.

The Supplemental Appropriation Bill for FY 1984 directed the Corps to

initiate the feasibility study within the available funds. The study is being started during FY84.

### **East Grand Forks, Minnesota**

The East Grand Forks Flood Control Project involves the city areas north and south of the Red Lake River. The tentatively selected plan would provide flood protection for about 1,731 structures in East Grand Forks.

The project north of Red Lake River includes construction of approximately 21,000-feet of levee/floodwalls; moving 204 structures from the floodplain; and implementing flood plain zoning regulations. In addition, plans for flood forecasting and warning services and emergency actions would be updated and tied closely to the project operation. Recreation development would take advantage of the expanded open space corridor along the Red Lake River, including trail systems designed to minimize maintenance costs.

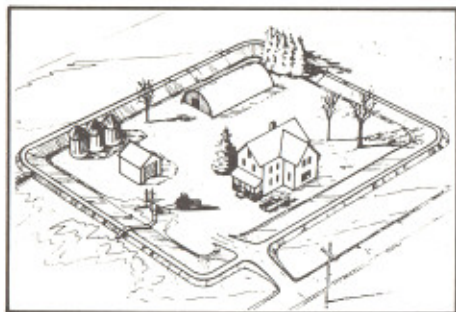
The project south of the Red Lake River includes strict enforcement of floodplain zoning regulations and updating plans for flood forecasting, warning services and emergency actions.

### **Farmstead Ring Levees**

The rural residents of the Red River Valley, North Dakota, have been subjected to a number of large floods in recent years. Damages to farmsteads alone account for about 14 percent of the average annual flood damages occurring in the basin. The ring levee concept has evolved at the local and regional levels because other flood damage reduction measures are not viable or practical within existing federal, state, or local programs. Past studies have confirmed this fact and indicated that there was a federal interest in developing ring levees around farmsteads.

The Corps is limiting its initial investigation of farmstead ring levees to Walsh and Pembina Counties, in order to concentrate on the two critical areas of the basin. The North Dakota State Water Commission requested that we place a high priority on this study to minimize any adverse effects on Walsh County.

The Soil Conservation Service studied ring levees for Grand Forks County, under its Resource Conservation and Development Program, and has initiated construction of two ring levees this summer.



### Lake Darling, North Dakota

The Lake Darling Project is the second phase of the total flood control plan for the Souris Valley. The Burlington Dam project was previously authorized as the second phase of the flood control project, however, because of the controversial nature of the project, a scaled-down reservoir project was pursued by local interests.

The current authorized phase provides for the raising of the pool at the existing Lake Darling Dam by approximately four feet. The first feature of construction is to be in the city of Velva, with channel modification under the Highway 91 bridge. The second feature includes a 10,230-foot levee, a 2,600-foot cutoff channel, a pumping channel and associated interior drainage works.

### Portage, Wisconsin

The Wisconsin River at Portage, Wisconsin has an existing 18-mile levee system that was typically raised after each major flood since its original construction in the late 1800's, with the most recent raise following the record flood of 1938. The levee does not meet Corps or DNR standards at any level of protection.

A proposed plan was identified to include approximately three miles of levee, 550 feet of floodwall, raising .2 miles of roads, and a railroad stop log closure. The plan also calls for interior drainage facilities, recreation features and aesthetic measures. The Portage Lock, a historic landmark, would be carefully incorporated into the project to maintain the historic importance and character of the area.

### Sheyenne River, North Dakota

The proposed plan for the Sheyenne River Flood Control Project represents a comprehensive approach to reduce about 78 percent of the flood damages throughout the lower Sheyenne Basin. It includes levees and a flood diversion channel at West Fargo/Riverside, a flood diversion channel from Horace to West Fargo and the raise of the flood control pool at Baldhill Dam.

The proposed plan will require the acquisition of rights to about 3,300 acres of land, six farmsteads, 100 lake-shore cabins and dwellings and portions of 2 church camps. Because of the large number of property owners affected, there has been considerable opposition to this project.

The Final Environmental Impact Statement (FEIS) is being reviewed for comment by federal agencies and the Governor of North Dakota. Their comments and the plan will be given to the Chief of Engineers who will then forward the plan to Congress for authorization.

### State Road Coulee & Ebner Coulee, Wisconsin

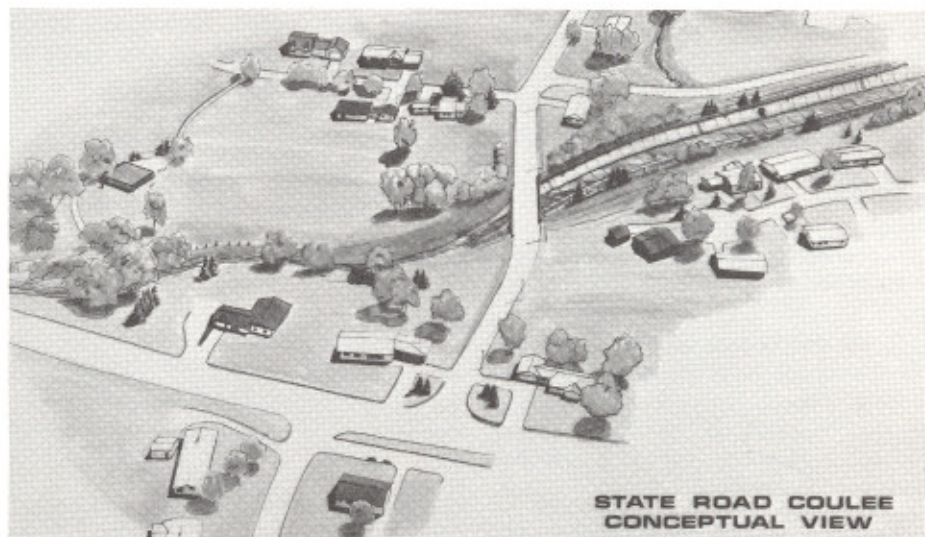
State Road and Ebner coulees are steep-walled valleys that empty into flat, broad, residential floodplain on the southside of La Crosse, Wisconsin. The area drained by the two coulees is quite small but the average annual flood damages exceed \$3 million. The study objectives are to develop a plan that will reduce urban flood losses, minimize safety hazards associated

with rapid runoff, give minimal warning times, and minimize adverse effects on the environment and on known cultural sites.

The phase I report recommended design and construction of approximately 2.5 miles of concrete-lined open channel for State Road Coulee. However, the report recommended no further action on the Ebner Coulee portion of the project because its cost outweighed its benefits.

The proposed plan for local flood control protection consists of channel deepening and enlarging construction of: 12,300 feet of concrete-lined channel, 700 feet of riprap channel, two overflow spillways, a drop structure, a stilling basin, three new street bridges, and a new railroad bridge.

The St. Paul District is working with the project sponsor on an advance construction (215) agreement, which will improve the lower State Road Coulee project sufficiently to allow the city of La Crosse a means for discharging storm flows from the adjoining Ebner Coulee area.



STATE ROAD COULEE  
CONCEPTUAL VIEW

## U.S. Savings Bonds

The St. Paul District will conduct the U.S. Savings Bonds campaign during the month of May. Canvassers have been selected from each office in the district, and will contact each employee to provide additional information and to assist in answering questions.

According to the brochure distributed to all employees, bonds held five years or more, not only earn market-based interest but also come with a guaranteed minimum rate of 7.5 percent a year, compounded semiannually. This guaranteed rate protects

bond holders in case market rates decline. Bonds held less than five years earn interest on a fixed, graduated scale, rising from 5.5 percent after one year to the guaranteed minimum at five years.

The U.S. Treasury has recently announced the interest rate paid on bonds for the six month period ending in April, at 9.38 percent. This illustrates how Savings Bonds can contribute to your financial security, but at the same time you can take pride in your contribution to the Nation's economic strength.

## Career Goals

Do you have questions in identifying and developing your career goals? If the answer is yes, please contact a "Career Counselor." These counselors are people who have volunteered to help answer questions that the District employees may have. They are:

Don Bonneville-7626  
 Dennis Cin-5819  
 Dennis Erickson-7562  
 Al Geisen-7638  
 Dave Parsons-7603  
 Jim Muegge-7524  
 Al Kean-7700  
 Mary Kay Linder-7501  
 Mary Rivett-7507  
 Marilyn Krutchen-5597  
 Mike Schwalbe-5991  
 Chuck Spitzack-7526  
 Harold Taggatz-7543  
 Bruce Tamte-5848  
 Chuck Workman-7574  
 Bob Post-7566  
 Pat Foley-5940  
 Bill Spychalla-7587  
 Sid Schmidt-7614  
 Joe Lemons-7525  
 Jim Ruyak-(218) 566-2306

The Career Counselors are interested in your input to this fledgling program, and they are anxious to help you answer questions about career development opportunities, promotion paths, District personnel procedures, such as merit promotion and training, etc.

If you feel career Counselors do not serve a useful purpose, and you have a method you feel would assist the employees in building a satisfying career, please contact one of the counselors with your suggestion.

## Night Train 84

St. Paul District participated in a worldwide command post exercise in early April, called "Night Train 84," the exercise was conducted by the Joint Chiefs of Staff between April 5 and April 13.

District elements involved in the exercise included the executive office, emergency management division and a number of district employees "mobilized" to staff the emergency operations center. Other district staff participated when exercise activities required their involvement.

## Learning to Communicate

by John Blackstone

Why are outside speeches, presentations, Toastmasters, etc. supported by the District Engineer? My guess is he recognizes there is a good deal to be gained from employees who make presentations about the Corps of Engineers.

Each of you has a wealth of knowledge and practical experience that is very valuable. Knowing how to put this knowledge to use, takes guidance and experience. That is where Toastmasters can help.

When I develop a speech or a presentation for a group of people, I have to stop and think about what I want to tell them. In doing so, I become more aware of what my job is and what the Corps of Engineers is all about. This is a

self-teaching process, that does not happen every day.

Toastmasters is similar to this process. It offers a program on communication and leadership. It is a program where each person is encouraged to express themselves among a diverse group of people.

I know through my own experience in being involved with a wide variety of people, that it has encouraged me to grow and be all I can be. This I suspect is the ultimate in self-teaching.

I invite you to join us next Thursday, at noon, on the sixth floor PEDC. If you have any questions concerning the Toastmasters program, please call Joel Face at 725-5940.

### 1984 Civil Servant Award

Three co-workers from the St. Paul District are named as nominees for the 1984 Civil Servant of the Year Award, sponsored by the Federal Board of the Twin Cities.

The nominees are:

Mrs. Judith A. Parnell  
 Accounting Technician  
 Finance and Accounting  
 Branch  
 Controller

Mr. Alan T. Forsberg  
 Civil Engineer  
 Flood Plain Management  
 and Small Projects Branch

Planning Division

Mr. Harold E. Taggatz  
 Chief, Maintenance Branch  
 Construction-Operation  
 Division

They will be honored at the annual Civil Servant of the Year awards luncheon along with nominees from other Federal agencies in the Twin Cities. The luncheon will be held at the Prom Center on Thursday, May 24, 1984. Supervisors, co-workers, and friends of the nominees are cordially invited to attend.

The exercise was part of the command post exercise program sponsored by the JCS to test command and control procedures around the world.

The scenario for Night Train 84 called for the occurrence of a fictitious series of worldwide events leading to increased international tensions and conflict. According to the JCS announcement, this type of exercise provides headquarter staff of the unified and specified commands with the opportunity to test planning and procedures in a simulated hostile environment.

While the exercise did not involve the movement of military forces, some command posts, including the Pentagon, were relocated to alternate command post locations.

Ben Wopat, chief of emergency management division, said the exercise provided realistic training for the 11 district employees assigned to staff the emergency operations center. The exercise also provided a good opportunity for district staff to review their continuity of operations plans and procedures.

## Knowledge is Power . . .

the underlying premise of the new technologies advocates. The challenge of the new Information Age will not be in the processing tools, the software and hardware, but in filtering, analyzing and organizing information before it becomes overwhelming. Hank E. Koehn, a futurist expert, recognized that anyone who can pass information along or hold it back is a "gatekeeper of power." This is optimistic news for librarians. Long before the "Information Age" became a catchy slogan, librarians were concerned first with the worth of information, then with the processing of it. The problem has been the failure to recognize librarians as managers of information, rather than as custodians of books and other printed materials.

"Knowledge is REAL power" is the 1984 theme for National Library Week. It was chosen to remind people that librarians are sources of information necessary to power personal achievement. Why not use this occasion to take a fresh look at what libraries are doing in the new technology environment? Here are a few samples in the Corps library to get you started:

The Value Engineering Database (VE-trieval) is a keyword retrieval database available on the Corps Private File via Dialog. To initiate the VE-trieval system, the St. Louis District's VE Officer and District Librarian cooperatively input 149 VE files into the system. To provide Corps-wide imple-

mentation, the OCE library input an additional 1,035 records from 38 Corps offices. Besides providing a source of VE ideas, there is a lesson to be learned. The enthusiasm to create personal data bases should not work to the detriment of the organization as a whole. Share resources!

Looking for software for your new micro? Try .Menu, the International Software Database, or MicroComputer Index, both available on Dialog. Information about software listed in .Micro is derived from questionnaire distributed to proprietary software houses, computer-related periodicals and trade shows. MicroComputer Index is a bibliographic database, which can effectively be used to retrieve software and hardware reviews from over 25 English-language microcomputer periodicals.

The Technical library is now using the Harris to automate its circulation file. All cataloged books have been loaded. In the next few weeks uncataloged materials will be recalled, followed by government reports. Your cooperation in identifying lost or obsolete material is appreciated before additional records are loaded into the file.

## People

**Newcomers:** The St. Paul District welcomes these new employees: David A. Motzko; Diane M. Burris; Shari A. Gruntner; Chris J. Doyle; Jeffery Anderson; Sherolyn D. Bahl; Raymond T. Larson; Becky J. Nies; Amy M. Bretol; and Giovanni A. Orbita.

**Departures:** Farewell and good luck to all employees who left the District. They are: Lynn M. Brinkman; Clint C. Fishel; Thomas P. Glentz; Linda C. Ireland; Kimberly A. McKown; Mark A. Eide; Fred J. Whebbe; Robert H. Wood; Donald R. Jensen; Dale A. Peterson; Michael J. Zamarripa; Barbara M. Withrow; Dean P. Franke; Julie E. Salves; and Veronica Warmlesley.

**Retirements:** Congratulations and good luck to the employees who have retired from the St. Paul District. They are: Palmer F. Henkes, Lock and Dam #4; Victor H. Johnson, Lock and Dam #5a; and Carl D. Miller, Lock and Dam #5.

**Announcements:** Congratulations to Becky Quistad and her husband Tom, who are the proud parents of a baby girl, born April 12, 1984 weighing in at 6 lb. and 4 oz.

## Minnesota Team in National Math Finals

Four Minnesota youth were named the top "mathletes" in the state. The following students were the top scorers in the statewide MATH-COUNTS competition; Josh Brandon, Mankato East Junior High School, took first place; Ives Chor, Woodbury Junior High School, took second place; Stuart Farm, White Bear Lake Central Junior High School, took third place; and Mike Case, Hopkins West Junior High School, took fourth place.

The Mankato coach, Dennis Erickson, has been named the coach of the four students who will travel to the national competition in Washington, D.C. on May 18 and 19.

Each team member has competed in regional and statewide tournaments, against 400 other seventh and eighth grade students to earn top honors and the trip to Washington, D.C. They scored high on both written and oral exams in such subjects as probability, statistics, linear algebra and polynomials.

MATHCOUNTS, which combines math coaching and competition, is designed to answer the problem of declining math skills among students at the precollege level.

The MATHCOUNTS program is sponsored in Minnesota by the Minnesota Society of Professional Engineers and the Minnesota Council of Mathematics Teachers. National sponsors of MATHCOUNTS are the National Society of Professional Engineers, the CNA Insurance Companies, the National Council of Teachers of Mathematics, the National Science Foundation and the National Aeronautics and Space Administration (NASA). A number of Minnesota companies and industries also contributed to the program.

## (Government Employee continued from page 1)

Employee he must be held to a higher degree of trust than those employed in the private sector . . . A Government employee has a double trust, one to his supervisor and the agency he works for, and another to the taxpayer who is footing the bill.

In addition to the jail term, the individual will be on probation for two years and must pay a \$1,000 fine and make full restitution. The employee anticipates losing his \$45,000-a-year job.

## National Awards

George Fortune will be awarded the National Post Treasurer's Award, from the Society of American Military Engineers (S.A.M.E.), Minneapolis and St. Paul Post, on May 17, 1984.

There were three other nominees for the National Awards, they were: Roger Fast for the Goethals Medal; Dan Reinartz for the Tudor Medal; and Captain Doug Gransberg for the Sverdrup Medal.

Local awards from the St. Paul District will be given to the nominees listed above. The awards are: Outstanding Service Award to George Fortune; Outstanding Engineering Achievement Award to Roger Fast; Young Civilian Engineer of the Year Award to Dan Reinartz; and the Young Military Engineer of the Year Award to Captain Doug Gransberg.



# CORPS OF ENGINEERS SUMMER PICNIC

FRIDAY, JUNE 15TH, AT NOON, PHALEN PARK, ST. PAUL  
AWARDS CERMONY - NOON - PICNIC GROUNDS PAVILION

MORNING ACTIVITIES Participants must  
take annual leave until 11:30 A.M.



## Golf

- Be to the Phalen Clubhouse by 8:45
- Play 9 holes for \$6.50
- Spouses, friends are welcome!!!!!!!
- Call Tim Fell X7557 for more information



## Foot Race

- 10K, 5K and 1.6K Events
- Start at 10 a.m.
- Call Tom McAloon X7589 for more information and registration



Part locations within which possession and consumption of non-intoxicating malt liquor is permitted between the hours of 8:00 A.M. and 8:00 P.M.

- A PICNIC GROUNDS
- B GOLF CLUBHOUSE



PHALEN PARK

### • LUNCH •

Country Fried Chicken  
Corn on the Cob Baked Beans  
Potato Salad Italian Salad  
Vegetable Relishes Pickles,Olives  
White & Dark Bread, Butter  
Coffee, Cream, Sugar  
Fruit Punch  
Chocolate Cake Squares  
FREE Beer and Soft Drinks !

- PURCHASE TICKET IN ADVANCE

AFTERNOON ACTIVITIES

## For Children:

- Treasure hunt
- Water Balloon Toss
- Sack Race
- Contact Lori Kroyer X7955 for more information

## For Adults:

- VOLLEYBALL
- HORSESHOES
- FRISBEE-GOLF
- OBSTACLE COURSE
- All activities begin at 1:30 or soon after, and will close at 3:00



All St. Paul District Corps employees, their families and friends, and all retirees are cordially invited to attend this year's celebration of Engineers Day.