



US Army Corps
of Engineers®

Tulsa District

TULSA

DISTRICT RECORD

February 1997
Vol. 20, No. 2

Districts Join Forces for Longhorn Project

Barbara Cravens
Public Affairs Office

THE COMBINED EFFORTS OF THE TULSA AND FORT WORTH DISTRICTS HAVE RESULTED IN THE SUCCESSFUL COMPLETION OF A GROUNDWATER TREATMENT PLANT AT THE LONGHORN ARMY AMMUNITION PLANT NEAR LONGVIEW, TEXAS.

On Dec. 11, the two districts celebrated with officials from the Longhorn Army Ammunition Plant and Dow Environmental (now Radian International) during a ribbon cutting ceremony at the treatment plant. Representatives from the Environmental Protection Agency and

See Longhorn, page 3

The groundwater treatment plant at Longhorn Army Ammunition Plant in Texas, designed and constructed through the combined efforts of the Tulsa and Fort Worth districts, will treat extracted groundwater to acceptable environmental regulatory standards.



Angie Short

Colonel's Corner



Col. Timothy Sanford
District Engineer

Today's Customers Should Also Be Tomorrow's

SATISFIED CUSTOMERS TODAY MEANS CUSTOMERS TOMORROW! Execution and delivery of quality, timely, cost effective products to our customers is the single best way to ensure we have customers next year and in years to come.

Everyone in the district has been involved in efforts to improve how we do business in order to better serve our customers. You have worked to eliminate redundancies and bureaucracies that frustrate us and our customers. I applaud you for your efforts. We are making progress. Keep up our war on inefficient wasteful operations, practices and policies which prevent you from giving the best service possible to your customers.

One element of the district that I believe is doing an exceptional job of improving support to customers is our Resident Engineers at military installations. Nowhere is quality service today more important in ensuring that we have customers tomorrow.

Resident Engineers are one part of the district team that serves the military bases and posts. They are the keystone of the team; the lynch pin to success in serving these key and very demanding customers. Our REs and their staffs are challenged with demanding schedules, constrained resources, maintenance of precise contractual standards, operation at remote locations from much of their support, and finally by constant customer oversight often by customer staffs who would like to have the work themselves. This only scratches the surface of the challenges our resident offices are faced with every day. They are doing a superb job seizing the opportunities presented by these challenges as they deliver quality, timely support to our military customers.

The RE has historically been viewed as a construction manager. Assigned traditionally to the Construction Division, his role was one of overseeing construction once a contract had been awarded. Today that role has changed. The RE is really our Project Engineer forward. REs are an integral part of the entire customer support effort. They are the daily interface with our

customer; handling issues ranging from on-going designs, to future work, to coordination of work by other elements of the Corps of Engineers, in addition to their traditional mission of construction management. They are more and more viewed as a vital extension of the customer's staff. Our REs have become full-service players – handling everything that occurs at their installation – no longer just construction managers. This is a new and ever expanding role as we work to be more responsive with our service.

REs and their staffs are key players in the overall management of our customer accounts. They have changed and continue to change how they do business. They are using innovative contracting tools, aggressive schedule management, outstanding personal communications skills to coordinate with customers and contractors, and the full spectrum of support capabilities of the district to serve customers. They would not be able to do what they are doing without exceptional support from the Engineering and Construction staff, project managers, Contracting, Counsel, Real Estate, Safety, IMO, Logistics, EEO, Resource Management/F&A . . . THE ENTIRE DISTRICT TEAM!

I salute the great job REs and their teams are doing at the forward edge of the battlefield. I salute the great job the district is doing in supporting REs and our military customers.



Our second annual Prayer Breakfast was held recently. Thanks to the people in Logistics Office and Internal Review Office who worked so hard to make it a success and to the Castle Chorus and Sue Morris for sharing their talents.

Congratulations to Nancy Crenshaw, Real Estate Division, who has been named the new head of the Army Community of Excellence Committee. She has been a dedicated member of the committee for several years, and will do an excellent job heading up the group.

Along those lines, I want to commend Kent Dunlap for his years of work on the committee. He served as chairman in 1995 and 1996 and successfully transitioned the district to the new award criteria, the Army Performance Improvement Criteria. Thank you, Kent, and best of luck in your new position at Eufaula Project.

Angela Asberry, our librarian in Information Management Office, provides an excellent service to all employees for which she is to be commended. Angela compiles and distributes all vacancy announcements on e-mail. Thank you, Angela, for this initiative.

I want to recognize a very important group of employees – those who contribute their time and talents to this publication. Recent editions of the *Tulsa District Record* have included material submitted by Julie McCollough, total quality coordinator; Carlton Bailey, Tenkiller park ranger; Rosemary Capshaw, Federal Women's Program coordinator; Ed Rossman, CFC coordinator; Gregory Molchan, recycling committee chairperson; Lt. Col.

See Column, page 8



Celebrating the successful completion of the groundwater treatment plant at Longhorn Army Ammunition Plant during the Dec. 11 ribbon cutting were, left to right, Col. Peter T. Madsen, Fort Worth District commander; Nancy Pomerleau, chief, Environmental Quality, Army Materiel Command; James MacPherson, commander's representative, Longhorn/Louisiana Army Ammunition Plants; James Hall, Radion International; and Col. Timothy L. Sanford, Tulsa District commander.

Angie Short

. . . Longhorn

from page 1

the Texas Natural Resources Conservation Commission also attended the ceremony.

Fort Worth District has supported Longhorn in military construction for many years. In the last decade, this support has extended to environmental restoration. Tulsa and Fort Worth Districts share environmental restoration responsibilities at the plant. Tulsa is responsible for program and project management, technical oversight, execution of investigation and design efforts, and administering remedial action contracts. Fort Worth's Eastern Area Office performs field oversight of the remedial action contracts.

Longhorn Army Ammunition Plant was established in 1942 to manufacture high explosives. In August 1990, Longhorn was placed on EPA's National Priority List because of significant groundwater and soil contamination found at the plant. Both the EPA and TNRCC are actively involved in the oversight and management of environmental restoration projects at Longhorn. Since 1994, public participation and involvement in environmental restoration at the plant has increased significantly.

Construction of the \$4 million Groundwater Treatment Plant began in March 1996 and was completed in November. The treatment plant is part of an \$18 million Interim Remedial Action at Longhorn's Burning Ground No. 3. The plant is designed to treat extracted groundwater to acceptable environmental regulatory standards and can treat 300 gallons per minute of contaminated water.

Both district commanders, as well as installation representatives and contractors applauded the spirit of teamwork that existed during the design and construction of the treatment plant.

"This is a success story for the Corps – combining the resources and talents of two districts for a single customer," Col. Timothy L. Sanford, Tulsa District commander, said. "Fort Worth and Tulsa Districts focused on *finding* solutions rather than focusing on *their* solutions. These right attitudes resulted in a project done quickly with reasonable costs."

"Partnership will make this endeavor successful," Col. Peter T. Madsen, Fort Worth District commander said. "This has been a good team package that reflects the Army's commitment to clean up the environment."

Tulsa District Record: Contributions of articles, graphics and photographs are encouraged. All manuscripts are subject to editing and rewriting.

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District Engineer
Col. Timothy Sanford

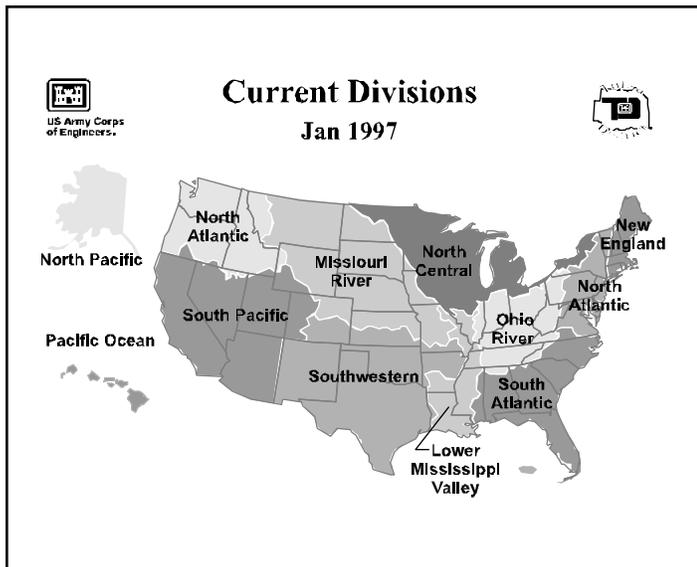
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The Tulsa District Record is an unofficial publication authorized by AR 360-81. Contents are not necessarily official views of, or endorsed by, the U.S. Government, Department of Defense, Department of the Army, or Tulsa District, U.S. Army Corps of Engineers. It is published monthly using offset lithography. Printed circulation: 1,700.



Graphics by Bill Cheatham

Secretary of the Army Approves Revised Division Restructuring Plan

Washington, D.C., Jan. 24, 1997 – Secretary of the Army Togo D. West Jr. approved a revised plan to restructure the U.S. Army Corps of Engineers divisions in accordance with two provisions in recent legislation.

The plan creates a new division structure of eight divisions with each division containing at least four subordinate districts. The plan also reassigns some districts to new divisions.

“There was some concern in Congress with our previous plan as to whether we could effectively coordinate the regional issues and a concern as to whether we would be able to continue to support our military construction mission in the Pacific Rim,” said H. Martin Lancaster, Assistant Secretary of the Army (Civil Works).

The major components of the revised plan involve realigning the staffs of four current division offices into two divisions, each under the control of a single commander. The new Great Lakes and Ohio River Division will consist of the staffs currently at the North Central and Ohio River divisions, located in Chicago, Ill. and Cincinnati, Ohio, respectively. The new Northwestern Division will consist of the staffs currently at the North Pacific and Missouri River divisions, located in Portland, Ore. and Omaha, Neb., respectively. Division headquarters will remain open at all four locations to better coordinate and address regional issues.

Additionally, the current New England Division, which is already an operating division similar to a district, will be converted to the New England District and will be placed under the control of the North Atlantic Division Commander in New York City.

The plan also alters the authority line for a number of districts. Two districts managing the Upper Mississippi Valley (St. Paul and Rock Island districts) will be realigned with four districts in the

current Lower Mississippi Valley to create a new Mississippi Valley Division and enhance the integrity of the watershed management of the Mississippi River. The plan also calls for the Alaska District to report to the Pacific Ocean Division, based in Honolulu, and for the Albuquerque District to report to the South Pacific Division in San Francisco. Alaska and Albuquerque currently report to the North Pacific in Portland, Ore., and Southwestern divisions in Dallas, respectively.

The revised plan is in response to Public Law 104-206 Energy and Water Development Appropriations Act, 1997, which directs the Corps of Engineers to reduce the number of its divisions. A provision in Public Law 104-303, the Water Resources Development Act of 1996, prohibited the reassignment of the St. Louis District of the Corps from the operational control of the Lower Mississippi Valley Division. The St. Louis District will continue to be under the control of the newly renamed and aligned Mississippi Valley Division. The plan will now be transmitted to Congress.

“We are eager to move forward on this directive,” said Chief of Engineers Lt. Gen. Joe N. Ballard. He noted that in addition to meeting the requirement of the law to reduce the number of divisions, the plan also meets other criteria he established: optimizing support to military forces, minimizing district realignments and maintaining geographical balance. The plan also ensures continued customer service, ensures the management of major watershed basins stays under a single division headquarters, and minimizes work disruptions and personnel turbulence.

Mr. Lancaster said that the details of the implementation of restructuring were still being developed and that the Corps would begin the implementation on April 1, 1997, as provided by the law.

A Year in Review

Recycling Results

Aluminum Assets

IN 1996, ALUMINUM RECYCLING EFFORTS IN THE DISTRICT OFFICE NETTED 841 POUNDS OF ALUMINUM, AND BROUGHT IN \$250.82 TO BENEFIT EMPLOYEES.

Guess the Weight

In August, a trailer was parked on the grounds to collect aluminum cans. Employees were encouraged to recycle cans used at work and to bring them from home. After about four months, the trailer was ready to be hauled away, and a contest was held to guess the weight of the aluminum collected.



Randy Bratcher won first place in the contest held to guess the weight of the aluminum collected in the district office's recycling program.

Randy Bratcher's guess of 546 pounds won. Actual weight was 540 pounds which netted us \$162.00.

The purpose of the contest was to draw attention to and support for the recycling program. There were a wide variety of guesses, many winners and several prizes. They were:

Place	Winner	Guess	Prize
First	Randy Bratcher	546	T-shirt
Second	Rosemary Capshaw	612	Cap
Third	Julie McCollough	461	Cookbook
Fourth	Charles Palm	456	Mug
Fourth	Shane Charlson	432	Mug
Fourth	Peggy Vangorp	425	Mug
Fourth	Joe Remondini	423	Mug

Awards for guesses less than 200 pounds off (choice of cap or keychain magnet from Ameri-Can Recycling Co.):

Winner	Guess	Winner	Guess
Brenda Anderson	350	Jimmy White	382
Charles Baker	358	Willie Grimes	410
Rex Ostrander	362	Angie Short	420
Steve Chapman	371	Vic Heister	657
Mesa Ham	382		

Award for highest and lowest estimates (choice of cap or keychain magnet from Ameri-Can Recycling Co.):

Winner	Guess
Dana Linduff	41
Craig Wyjack	7 tons

Thanks to all the participants. We are all winners because of our successful recycling program. All proceeds from the sale of recycled materials are used for the benefit of Tulsa District employees.

Paper Power



November Savings

KWHs of energy	
17,005	
Gallons of water	
29,033	
Cubic yards of landfill	13.69
Pounds of air pollution	248.9

December Savings

KWHs of energy	28,064
Gallons of water	47,915
Cubic yards of landfill	22.59
Pounds of air pollution	410.7

Month	Trees Saved	Tons of Paper	Amount Made
Jan.	97	5.7	\$143.00
Feb.	109	6.4	160.34
March	135	7.9	158.74
April	136	8.0	151.96
May	118	6.9	115.31
June	130	7.6	128.09
July	107	6.3	108.37
August	186	10.9	199.74
Sept.	113	6.6	108.89
Oct.	100	5.9	100.25
Nov.	71	4.1	71.70
<u>Dec.</u>	<u>116</u>	<u>6.9</u>	<u>127.90</u>
Totals	1418	83.2	\$1,574.29

District and State Team Up on Project

Dan McPherson
Robert S. Kerr Project Office

PHYSICAL SUPPORT, STRUCTURAL MAINTENANCE AND REPAIR SECTION, RECENTLY HELPED THE OKLAHOMA DEPARTMENT OF TRANSPORTATION WITH A CHALLENGING, UNIQUE PROJECT. ODOT wanted to take borings (core samples) about 60 feet deep at four of the piers on the Arkansas River Bridge downstream of Robert S. Kerr Lock and Dam. The project required a great deal of coordination and cooperation. Tulsa District's crane barge, crew and tow boat, Mister Pat, were used along with the state's crew and drill rig. The crane barge was modified slightly so the drill rig could drive aboard, be properly secured, and drill over the forward port side.

Several factors challenged the successful completion of this job. In order to perform the requested work safely and efficiently, a zero flow river condition was needed. Initially, flows



District towboat and crane barge being used to position ODOT's core drilling rig next to U.S. Highway 59 bridge pier on the Arkansas River below Robert S. Kerr Lock and Dam.

couldn't be controlled due to flood releases. Then, a coordinated effort had to be made so that power generation could be interrupted during drilling operations. A hard shale bottom was anticipated which would make it difficult to get a "bite" with the crane spuds and make it difficult to maintain a stable position. Access to some of the piers on the right bank of the channel required a less than desirable angle of approach. Weather conditions during this period also kept getting worse and worse. There were snow flurries, and the temperature dipped well below the freezing mark during much of the job.

With a little luck and a lot of effort, this job was completed ahead of schedule thanks to all those involved. District crew members on the project were Kelly Youngblood, Kenneth Wright, Joe Johnson, Troy James, Colin Clark, Doug Hart and Robert Booker.

Photos by Ray Long

Oklahoma Department of Transportation personnel preparing to core drill at pier 7 of the U.S. Highway 59 bridge below Robert S. Kerr Lock and Dam. Tulsa District provided the floating plant for this operation.



From the Mail



To Col. Sanford from Preston Brown, superintendent:

On behalf of the Maud School Board of Education, administration, faculty and students, I want to extend our sincere appreciation for the computer software donated to our school system from the Corps of Engineers. We are in the process of installing a computer lab through a combination of two grants, and we can surely use the software for the education of our students.

We also would like to commend you for your employee, John Parrish, who had the foresight to recognize the need in our school system for this software, and the efforts he expended to help secure these programs for us.

In a school system of our size, we appreciate the help we receive from patrons who are trying to help us stretch our tax dollars to cover the ever-increasing cost of educational materials.

From Donald White, Management Administration and Security Area Office, Amarillo Area Office, Department of Energy:

The Amarillo Area Office would like to extend our appreciation to your staff for their assistance in reconciling the USACE-Tulsa District records and the Albuquerque Financial Information System for the environmental restoration portion of this contract. The effort was

massive and required considerable attention to detail, for which your staff was fully accommodating. In particular, Earnestine Brown-Roach, Donna Dillard, Redia Hill and Pam Alambar were extremely helpful during our recent visit to Tulsa.

To Resource Management Office from the Internal Revenue Service:

Congratulations!

Your organization has been identified as an IRS Quality Supplier. Quality Suppliers are organizations that file information returns magnetically/electronically with the Internal Revenue Service, Martinsburg Computing Center, without any formatting errors for two consecutive tax years.

We sincerely appreciate your quality contribution to the Information Reporting Program. The high standards you set made our job easier and made a significant contribution to the IRS's efforts to provide quality service to all our customers.

Your efforts also helped taxpayers file more accurate returns and contributed to our efficiency by reducing unnecessary contacts with them. Your work also contributed to more effective tax administration.

Please accept our sincere appreciation for the time and effort your organization gave in providing quality data to the Service. Thank you for a job well done. Please pass on our thanks to your employees who contributed to this significant accomplishment.

Insufficient Memory

MY WIFE OCCASIONALLY TELLS ME THAT I DON'T REMEMBER EVERYTHING I'M SUPPOSED TO, like forgetting to pick up paprika at the store when I remembered to get the milk, eggs, bread, laundry soap and cat food. I figure that if I can remember five out of six, I'm doing pretty darn good considering all the other stuff that I am forced to remember in order to survive in today's modern, high-tech society.

I have occasionally been known to forget and lock my keys in whatever I happen to be driving at the time. While that may be a short-term memory problem, I don't worry too much about it because I belong to AAA, and they specialize in providing a service to people like me.

I've seen some cars on the road touting a little key pad that you can enter a secret code into and thereby eliminate the need for a door key. This approach might work for some but I will never own one of those cars unless I win one in a drawing or am given one as a gift; I will never actually pay money to get one.

I briefly experimented with using a combination lock on my gym bag but after forgetting the combination of a few of those technological marvels, I found I was less likely to forget a key than a combination. It is also easier to blame an external source for not having your key (someone stole it) than for not having your combination (duh, I forgot). There are just too many passwords,

It is also easier to blame an external source for not having your key (someone stole it) than for not having your combination (duh, I forgot).

codes and personal identification numbers that I am forced to remember without any option.

My day starts when the alarm clock goes off and I stumble out of bed and search my groggy memory banks to remember the password for disarming the home security system. I certainly don't want to get picked up by the motion detector and announce to the world that I am in need of armed assistance at such an early hour.

My drive to work might include a stop at the convenience store for gas. Here, if I write a check, I have to recite my driver's license number and home phone number. If I am to get some pocket money from the first floor ATM, I must first satisfy it with the correct Personal Identification Number.

Once at my desk, my computer wants me to enter my system ID, system password and then a

I certainly don't want to get picked up by the motion detector and announce to the world that I am in need of armed assistance at such an early hour.

personal password to access my mailbox messages. Some of the sensitive files that are stored on my computer are also password protected. If I have some work which involves getting into CEFMS, I am required to produce a user ID, log on, password, oracle password (oh joy, a new code to remember) and my smart-card password.

When my phone blinks at me indicating that I have messages, I must correctly enter another PIN. I also have to keep track of my PIN for gaining access to my Thrift Savings Plan account in order to make changes or get the latest status of my retirement account, and I sure don't want to forget my PINs for the Government American Express Card or my own VISA card.

Back home, later in the evening, I log onto the Internet and check my E-mail, but I am first required to produce a password to log onto the server and another secret password to access my mailbox.

Is it any wonder that when I am trying to remember what to use as my return address, I find myself digging through the trash trying to find an old envelope that someone mailed to me which will tell me my zip code?

*Guest
Commentary*

*Woody
Bargar*

Eagle Eye Awards Given

CONGRATULATIONS TO THE EMPLOYEES AND CONTRACTORS of the Central Oklahoma Area Office. They walked away with the honors for 1996 in the Eagle Eye Safety Awards.

Col. Timothy Sanford, district engineer, awarded Wayne Hefner, president of Industrial Mechanical Inc.



Tulsa District's Eagle Eye Award for Construction Safety in December. Hefner also received the annual and quarterly Central Oklahoma Area Office Eagle Eye Construction Safety Awards.

Carl Sparks and the Central Oklahoma Area Office were district winners, receiving the District Construction Office Eagle Eye

Award. Jay Meek received the District Construction Representative Eagle Eye Award.

Winter Weather?

IF THE WEATHER IS NASTY and you work in the Tulsa office, it's easy to find out whether or not you're expected to report for work. Closing or delayed opening announcements will be broadcast on radio stations KRMG, 740 AM, and KVOO, 1170 AM and 98.5 FM.

Messages will also be placed in your voice mail boxes at the office. This information can be accessed by dialing 669-4333 from home phones.



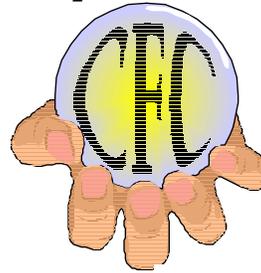
ON THIS DATE

February 23, 1974

Jarman, the last living horse that served in World War II, died on this date at the age of 40 — the human equivalent of 120 years. Originally an Army field artillery caisson puller, Jarman served on Coast Guard beach patrol in Southern California throughout the war and was then sent out to pasture for the next 30 years. The military still uses horses on terrain where motor vehicles can't go.



did you know ...



Goal	\$66,000
Grand Total	\$69,660
Key Club	33
Fair Share	91
First Day	245

... the final tally for 1996 CFC?

*Many thanks from
the heart to all our friends
in the Tulsa District!*

Ed Rossman Burgin Towle
Chairman Loaned Executive



... Column

from page 2

Thomas Frendak, deputy district engineer; Terry Holt, Marion park ranger; and Russell Holeman, LEAD instructor.

Also contributing were employees from Truscott, Robert S. Kerr and Canton Project Offices; Margaret Johanning, Leadership Development Program member from Planning Division detailed to Operations Division; Judy Barker and Bob Vandegriff, Safety Office; Peggy Massey, Central Oklahoma Area Office; Ruth Fritz, Resource Management Office; Ida Lafayette, Real Estate Division; Everett Laney, Operations Division; Kenny Whitehead, ACOE committee; Andrew Mattioda, Chemistry and Industrial Hygiene Section; Randy Bratcher, Contracting Division; Gary Cannon, Hugo Project Office; Glenda Vincent, Oologah Project Office; and many retirees.

These contributors, along with employees from Public Affairs Office and Support Services Branch, help make the TDR a valuable communication tool. If you can write, draw, or take pictures, and are willing to contribute, call PAO. They'll be happy to hear from you. Then, once you're published, tell your family, friends, and co-workers to check out the full-color version on the Internet. Have them visit our home page, click on welcome, go to the library, and look for the electrified TDR.

Finally, I want to thank our Operations Lake Offices for their support of the bald eagle monitoring program. Several lakes have eagles which winter on federal property. Your participation in tracking the eagle population brings a great deal of credit to the district and the Corps. Two members of our Keystone Lake staff, Mike Schrick and Randy Shannon, will be formally recognized by the Tulsa Audubon Society at a ceremony on Feb. 18. Mike and Randy have been very active in supporting the society and general public in viewing eagles which winter on the Arkansas River and Keystone Lake.



Cynthia Wade

Left to right, Debbie Gibbs, Willie Grimes and Karim Williams wait for the parade to start.



Angie Short

Benny the Beaver, aka Angela Harbin, works the crowd.



Angie Short

Picture-perfect Ashlee Sampson and Tiffany Short could have been the poster children for the parade's theme, "Challenge the Children – Make His Dream a Reality." Ashlee is Shirley Rolison's granddaughter, and Tiffany is Angie Short's daughter.

Celebrating Dr. King

"Challenge the Children – Make His Dream a Reality."

Shirley Rolison
Black Employees Program Manager

A GAIN THIS YEAR, THE TULSA DISTRICT WAS A PART OF TULSA'S ANNUAL MARTIN LUTHER KING PARADE. It was a beautiful day, and the turnout was great. We had 50-plus employees and family members there.

As usual, Benny the Beaver (Angela Harbin) was a big hit with children and adults. Little Toot was a hoot, with the famous Ross Adkins using the headphones and teasing the crowd along the way. We even had a mini-band, thanks to Randy Bratcher's daughter and friend.

We had a great time and, if you missed it, we hope to see you next year (but not on the sidelines).



Angie Short

Little Toot is always a favorite.



Mildred Robinson has her back to the camera, and Joyce Thomas can be seen in the background.

Cynthia Wade

Tulsa Family



Feb. 15 Corps night at hockey game
Apr. 12-19 Corporate Challenge
April 22 Earth Day

May 5-11 Public Service Recognition Week
June -30 Savings Bond Campaign
June 13 Corps Day
Sept. 11 Retiree Breakfast

Retiree Responses

Editor's note: We asked retirees to share news of their lives now or memories of their time in the district. Here are some of their responses. More will be printed in future issues.

Family additions



Dannika Daily, born Dec. 20 – daughter of Paul and Ruth Baer Daily and sister of Dustin. Dannika, who was due March 9, had a rough start, weighing only 2 pounds, 11 ounces at birth and suffering collapsed lungs her first night. She was 15.5 inches at birth. By Jan. 24, she was 17.25 inches, had gained one pound, and remained on oxygen.

Jasmine Marie Robertson, born Jan. 23 – daughter of Sherrie and Ray Robertson and sister of Matthew. Ray is a park ranger at Canton Project. Jasmine is the third baby in four months born to employees of Canton Project Office.

Human Resources Office
800-453-8907



Congratulations

To John Davidson, third-grade son of Howard and Ann Davidson. John was named Math Facts Grand Champion at Eastside School in Sallisaw, and will receive a trophy for the honor. His dad is a senior operator at Robert S. Kerr Power Plant.

Condolences

To the family and friends of Mary Ann Bennett who passed away Nov. 26, 1996. She was grandmother of Larry Summerlin, Robert S. Kerr Power Plant, and Charlie Bennett, Webbers Falls Lake Office. She was great-grandmother of Kara Summerlin, Webbers Falls Lake Office.

To David Kannady, former H&H employee currently working with Southwestern Power Administration, on the Nov. 30, 1996, death of his father.

To DeWayne Glover, Eufaula park ranger, on the death of his father Dec. 16, 1996.

To Bob and Pam Wellman on the death of Bob's mother, Doris Wellman. She passed away Dec. 18, 1996.

To Lloyd O. Lance, maintenance worker at Canton Project Office, on the death of his father, Lloyd H. Lance. He passed away Dec. 26, 1996.

To John Hill, acting assistant chief, E&C Division, on the Jan. 7 death of his mother, Gladys Wise.

To Bob Stubbs, Logistics Management Office, on the Jan. 5 death of his father, Wylie Stubbs.

I was first employed by the Corps, and Bill was with Southwestern Power. Later, I went to the Regional Solicitor's Office, Department of Interior, and Bill changed to the Corps where he retired.

Although we retired years ago and moved to Texas, we still enjoy your publication. Tulsa was a great place, and we enjoyed it.

Bill is now in a nursing home due to a massive stroke, but we enjoy getting your mailings.

Hazel Fulton, Granbury, Tex.

Although assigned to the district for only two years, I enjoyed the tour very much and made many friendships which continue today.

Lt. Col. Edward Fike, Tulsa

Wife and I celebrated our 50th anniversary July 28th in Juneau, Alaska. Our children surprised us with a cruise to Alaska on the Holland line. Trip was very beautiful and exciting.

Really enjoying our retirement. Thanks to all.

O. T. Fears, Claremore, Okla.

I have retired from making real estate appraisals, and we are living in Stillwater, Okla.

I have many pleasant memories of the time I spent in the Tulsa District. My best wishes to all.

William Farrell, Stillwater, Okla.

I started working for the U.S. Corps of Engineers February 1953, and retired March '88. I do enjoy receiving the TDR with its news, etc., and contact with my past memories.

Carmelita Edwards, Tulsa

My wife and I are plugging along in retirement.

James Dwen, Tulsa

Personnel Notes

December 1996

Hello

Amy Beard, EC, Design Branch
Bobby Clifton, OD, Tenkiller Project Office
Jason May, OD, Marion Project Office
Candy Osborn, EC, Fort Sill Area Office
Freddie Ross, OD, Tenkiller Project Office
Graham Swearingen, OD, Tenkiller Project Office

Goodbye

James Holliman, EC, Hydrology & Hydraulics Branch
Frank Martin, EC, Design Branch
Alvin Wallace, OD, Texoma Project Office

Promotions

Ruth Baer Daily, IM, Automation and Communication
Sherry Burris, OD, Hugo Project Office
Rosalie Dugan, OD, Marion Project Office
Margaret Hellwege, RM, F&A Branch
Kimberley Hensley, OD, Technical Support Branch
Davey Muret, OD, Fort Gibson Project Office
Brian Osberghaus, OD, Texoma Project Office
Jessmal Robertson, OD, Canton Project Office
Mary Ross, OD, Eufaula Project Office
Lee Wall, OD, Physical Support Branch
Ginger Wright, EC, Contract Administration Branch

I look back upon my 30 years plus with the Tulsa District and U.S. Army Corps of Engineers with many fond memories.

I think the most "fun" job I had was as a surveyor at the Eufaula Dam. We did good work, and had fun doing it.

The most rewarding personal achievement was completing my college degree while at Webbers Falls Lock and Dam during construction. I give most of the credit to Mr. Pat Clark for his continued encouragement and my wife's patience.

The highlight of my career was the three separate tours of duty in Saudi Arabia. Those assignments made it possible for me to retire when I did.

Retirement is still great! We travel some, eat out often and just enjoy family and life in general.

Thanks, Corps of Engineers.

Finas Doolin, Braggs, Okla.

I miss seeing all the ranger personnel I have had the privilege of meeting and working with. I have found a part-time job to have some extra cash to purchase some goodies like ham radio equipment, cameras, stereo equipment, tools and even help pay for some short trips.

Max Dixon, Council Grove, Kan.

My life is very limited. Can't hear very well nor see to read. My wife, Louise, reads the *Tulsa District Record* to me. Keep up the good work.

Donald Coleman, Eufaula, Okla.

My husband is not well, but he does appreciate news of Tulsa District.

Phyllis (Mrs. Charles) Clark, Tulsa

I enjoy the Retirees Breakfast. Keep them going.

Harold Claassen, Tulsa

I guess retirement is OK for some people, but not for me.

I enjoyed working for the Tulsa District very much. Best job I ever had. Just regret that I retired. Keep up the good work.

Erick Brooks, Keota, Okla.

Loving retirement!! But the days aren't long enough to accomplish all we want to do. Spending the summers in Colorado – camping, hiking, biking, etc. Volunteer work keeps us busy in the winter.

The spirit of the Tulsa District people will not be forgotten. Through challenges and problems, even grief and tragedy, each one of us in his own special situation and circumstances choose to give, to be concerned, to care.

Doris Brooks, Tulsa

I miss the people I worked with at the Corps. Fortunately, they have not forgotten me, and include me in Corps activities. I want to know what is happening with the Corps Family.

Retirement is not as much fun as working (but it is a whole lot less stressful).

Norma Brewer, Tulsa

As a widow, and sister of deceased Herb Smith, it's nice to be able to keep some kind of link with the district that was so much a part of my life for many years.

As some of you may know, both Bill and Herb are buried out here in our private cemetery, and it's wonderful when old friends drop by to say hello to me and pay their respects to them.

Allene Bishop, Sand Springs, Okla.

Miss you all.

Bill Austin, Broken Arrow, Okla.

I am enjoying leisurely retirement, golf, hunting, fishing, family staying up late, and getting up the same way.

My best wishes for another successful year for Tulsa District Corps.

Gene Anthony, Claremore, Okla.

Our interests are travel, family, and enjoying this beautiful country and world we live in. And, of course, the Corps of Engineers is the organization that we will always be indebted to for making it all possible.

Clarence and Helen Anderson, Tulsa

I'm still volunteering at the Nutrition Site at the Broken Arrow Senior Citizen Center (third year now since I retired in May '93). Also demonstrate or "sample" products in stores. Also am busy involved in craft sales and that's what I enjoy. I do wreaths, swags, different decorative crafts.

Joy McLaughlin, Broken Arrow, Okla.

I marvel at how the survey part of engineering has changed.

I began work with the Corps in 1942 in the Survey Section, running topography contours in the Arkansas River bottoms. A control line had been run on each side of the river with control points and elevations about every half mile.

A survey party consisting of an instrument man, a recorder and two rodmen. The rodmen each had a 4x12 board with each inch painted in alternating colors. Cardboard sheets, 24 x 36 inches, with roads, houses, creeks, and railroads shown on the sheets. Section lines were also shown on the sheets which covered six sections of land. Usually, the sheet would cover some of the control line and elevations.

A plane table, which resembles a card table, was set up and leveled and the sheet was lined up with the section lines. An alidade was used in this work. It had a compass, and the first time the sheet was used after lining up the sheet with section lines, a magnetic north line was marked on the map. This line was used to line up the sheet in the same direction at each location. The alidade had a level bubble and a telescope with three crosshairs or marks. The middle line was level and elevations were read direct. The upper and lower lines were used to determine distance – an inch between the lines was 100 feet. The middle line and either the top or bottom line was 200 feet.

If you could not read the middle line and could read either of the other lines, the elevation could be determined by calculating the distance and the angle. In establishing section corners where the distance had to be accurate, a 200-foot steel tape was used.

Later, the survey used aerial maps in platting the contours. The working area on a map covered about a section of land (640 acres). The maps overlapped and, with a stereoscope, differences in elevations could be found.

Now, they have a machine that can be set on a certain elevation and zip zip a contour can be drawn on a map about as fast as you can mark it!

Now, they have a theodolite with which they can calculate the distance within a fraction of an inch, eliminating measuring with a chain or tape. So, you see, surveying has developed into an arm-chair science.

Blaine Edmondson
1974 Real Estate retiree, Tulsa

Our Vision: Be the Corps standard in customer care and professionalism.

CORPORATE CHALLENGE



MORE THAN 250 CORPORATE TEAMS ARE EXPECTED TO PARTICIPATE IN THIS YEAR'S CORPORATE CHALLENGE, an annual event sponsored by Saint Francis Hospital to promote public wellness. Tulsa District plans to field one of the winning ones. You're invited to join the team if you work within a 90-mile radius of Tulsa and will have worked for the district for at least 90 days by April 1, 1997. Retirees are very welcome, and have always been a valuable part of the district's team!

Events include three-on-three basketball, co-ed volleyball, 1250-meter men and women's rowing, men's 50-yard swim, women's 50-yard swim relay, men and women's 10K cycling, men and women's one-mile run, the elite mile (women's time must be less than six minutes and men's less than five minutes, 15 seconds), men and women's 5K race, long distance (40K) relay, men and women's sprint relay, co-ed shuttle relay, executive shuttle relay, tug of war, team obstacle race, master team obstacle race (40 and older), 60-yard sprint and the 5K fitness walk.

Each event has a team captain, and each participant must sign an official team roster and medical release form.

The rosters for basketball, volleyball, rowing, and swimming which will be held the weekend of March 15 must be submitted by Feb 28.

The 5K race and the 10K bike race will be held at Mohawk Park April 5. The elite mile, executive shuttle relay, and 60 yard sprint will be held at LaFortune Park April 11. All other events will be held April 12 at LaFortune Park.

If you have any questions, contact Loretta Turner, 669-7328, or Lisa Samilton, 669-7154.

Scholarships Available

Applications are now available for the 1997 Public Employees Roundtable Public Service Scholarship Program which awards money to bright and talented college students who plan to pursue careers in government. Since 1985, the Roundtable has awarded more than \$100,000 in merit-based scholarships to students throughout the United States.

Applicants must be enrolled either fulltime in a four-year undergraduate degree program or be enrolled full or parttime in a graduate or post-graduate program. Undergraduates must have

completed their first year of college work. All applicants must have a minimum cumulative grade point average in their current degree program of a 3.5 or higher on a 4.0 scale. Preference goes to applicants with prior government work experience or community service experience. Applicants will be asked to write a two-page essay which addresses the topic, "Through my chosen career as a government employee, I will contribute to a more positive image of public service by . . ."

To request an application, send a self-addressed, stamped envelope to PER, P.O. Box 14270, Washington, D.C. 20044-4270, or visit PER's website at <http://www.patriot.net/users/permail>

The application deadline is May 14, 1997.