



US Army Corps
of Engineers
Tulsa District

TULSA DISTRICT RECORD

March/April 1998
Vol. 21, No. 2



From the Internet

A Symbol of Valor Touched a Nation

See page 8 for the Corps Connection to this famous photograph.

ON FEB. 23, 1945, Associated Press photographer, Joe Rosenthal, took the Pulitzer Prize winning picture of the flag raising on Mount Suribachi, the summit of a squat, extinct volcano on the Pacific island of Iwo Jima. The flag raising, four days after the marines invaded Iwo Jima, marked the first time the American flag had flown over Japanese territory.

In the 36 days of fighting, 6,825 Americans and more than 21,000 Japanese died. More than 19,000 Americans were wounded. More U.S. soldiers won the Medal of Honor on Iwo Jima than in any other battle in U.S. history. The island was captured as a haven for crippled bombers returning from runs over Japan.

The flag raising became the theme for the war effort's seventh bond tour. It was led by the three in the picture who survived their service on Iwo Jima. The tour raised \$220 million (1945 dollars) for the treasury, more than any other bond tour. During the tour's two months, everyone in America would see the picture over and over. It hung in 1,000,000 retail store windows, 200,000 factories, 30,000 railroad stations, 16,000 movie theaters, 15,000 banks and on 5,000 large billboards.

The photograph became the model for the Iwo Jima Memorial, the world's largest bronze sculpture, located near Arlington National Cemetery in Virginia.

"To Marines everywhere, that sculpture represents the sacrifice of hundreds of thousands of fighting men and women," said Marine Corps Commandant Charles Krulak, godson of the commander of the Marine landing force that captured Iwo Jima.

The inscription reads "Uncommon Valor was a Common virtue."

Editor's Note: For some fascinating information on Iwo Jima, visit www.iwojima.com on the Internet.

**Colonel's
Corner**

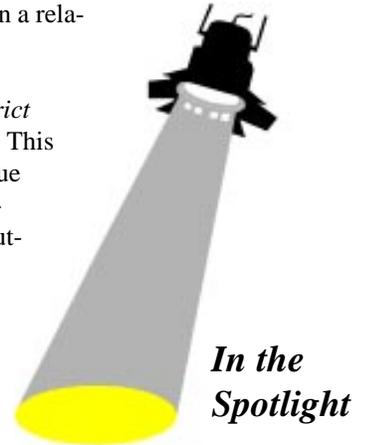


Col. Timothy Sanford
District Engineer

I am extremely pleased to see these efforts throughout the district. Operations Division has established regular meetings with Southwestern Power and Oklahoma Departments of Transportation, Wildlife Conservation and Tourism – key customers and organizations they need to work with to be successful. The Planning, Environmental and Regulatory Division has reestablished similar meetings with the Oklahoma Water Resources Board and the Kansas Water Office. Both Operations and PER are involving other district team members in these meetings. Our Real Estate and Counsel staffs are breaking the mold on how legal support is accomplished by building new internal relationships. Programs and Project Management and Engineering and Construction Divisions have people proactively working with each of our support-for-others and civil customers and potential customers to build stronger working relationships. Area and lake managers are facilitating the strengthening of district ties with old customers and some potential new ones while they renew their efforts to build and expand their traditional relationships with lake associations and local communities. Area and lake managers are also forging new relationships with district team members. District designers are working with other districts and installation staffs to deliver high quality project designs on time. Every division and office in the district is working with their Southwestern Division counterparts to strengthen our regional team.

We are making great strides in delighting customers, developing new business, and more effectively accomplishing our missions. We are doing it in spite of significant resource challenges. We are doing it as a Regional and Corps Team in spite of a natural tendency to withdraw and protect our “turf” or “stove-pipe” when times are tough. I commend each of you on these efforts! I also challenge everyone not to take any relationship for granted. There are some you may need to establish and others that may need repair. Take some time today to work on a relationship!

This issue of the *Tulsa District Record* marks the end of an era. This is **Mary Beth Hudson’s** last issue as editor. We have a superb district newsletter because of her outstanding talents and efforts. It is recognized as one of the Corps best. I commend Mary Beth on her selfless dedication to excellence and service to the district!!



See Spotlight, page 14

Relationships

WHAT RELATIONSHIPS DO YOU RELY ON TO DO YOUR JOB? What have you done to build those relationships? What are you doing to sustain them? Relationships are an integral part of our lives. They are just as critical to successful accomplishment of our jobs as they are to our personal lives. Just as in our personal lives, we often take them for granted at work. Sometimes in our jobs we don’t devote any time to building and sustaining relationships.

The success we have in accomplishing our missions and living up to *Our Vision* is in direct proportion to the effort we expend in building and sustaining relationships. We can not be Respected, Responsive, and Reliable without strong relationships with customers, co-workers, and team members. We rely on relationships to achieve our goals of Revolutionizing Effectiveness, Seeking Growth Opportunities, and Investing in People.

Relationship building and sustainment is an integral part of many things we are doing across the district. The strong teams that have been built and are nurtured daily by our resident engineers and project managers at military installations are one of the most obvious examples of this. Partnering sessions between district offices, district-to-district partnering with Galveston, Fort Worth and Little Rock, and our regular update sessions with congressional staffs are also examples of efforts we are making to build and sustain critical relationships. I believe our marketing training and efforts in the past year have helped us see and address many other relationships.

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

District Engineer
Col. Timothy Sanford

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W. Ross Adkins

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Mary Beth Hudson

Printing Coordinator
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Maj. Gen. Milton Hunter
USACE Director of Military Programs

Angie Short

Hunter Holds Town Hall

MAJ. GEN. MILTON HUNTER, DIRECTOR OF MILITARY PROGRAMS, HEAD-QUARTERS, USACE, SPOKE AT A TOWN HALL MEETING AT DISTRICT HEADQUARTERS IN TULSA ON MARCH 17.

“Great things have been done – sometimes not shared,” Hunter said, stressing the importance of the One-Door-to-the-Corps policy. He said we must look for ways to assure that our customers don’t pay for our mistakes.

When asked about the current downsizing and projections for the future, Hunter said that there is light at the end of the tunnel but, “if you don’t have the work to support the force, you can’t pay the force.”

The town hall meeting was videotaped, and copies are being distributed to field offices.

District is Design Agent of the Year

TULSA DISTRICT WAS RECENTLY SELECTED BY AIR EDUCATION AND TRAINING COMMAND AS DESIGN AGENT OF THE YEAR. This award was presented at Vance Air Force Base in February.

Presenting the award were Col. Terrence Tallent, 71st support group commander, Vance Air Base, and Tony Zugay, chief, construction division, AETC, Randolph AFB, San Antonio, Texas.

Receiving for Tulsa District were Tom Verdel, chief of Design Branch, Engineering and Construction Division, and John Roberts, deputy district engineer for project management.

Vance AFB nominated the district for the AETC award. As winner at the AETC level, the district’s nomination now goes forward to Air Force level competition.



Courtesy Vance Air Force Base

Left to right, Col. Terrence Tallent, Tom Verdel holding the award, John Roberts and Tony Zugay. Verdel and Roberts accepted the award on behalf of the Tulsa District from Tallent and Zugay. The district was named the Design Agent of the Year for the Air Education and Training Command. The award was presented at Vance Air Force Base in February.



Courtesy of Jacksonville District

Back at the Beginning – A Davey Kent down hole hammer rig sits on a platform mounted on rails. Big wench lines pull the platform up and down the hills to different holes where drilling and grouting is done at about 20-foot intervals.

Island Assignment

THREE DRILLERS FROM TULSA DISTRICT RECENTLY RETURNED FROM PUERTO RICO WHERE THEY WORKED ON THE FIRST DAM OF ITS TYPE TO BE BUILT BY THE CORPS OF ENGINEERS. The Portugues Dam will be a double curvature, three centered elliptical thin arch concrete structure built across the Portugues River at Ponce, Puerto Rico. Jacksonville District designed the structure and is overseeing its construction. The thin arch dam will be 1,505 feet long, 271 feet high, and have a width of 40 feet at the bottom and 12 feet at the top.

Ray Voils, Carl Sloan and Darrell Custer, Investigations Section, spent seven

weeks on the project, drilling and grouting 180- to 200-foot holes. According to the project's fact sheet, "It is essential that the final grout curtain be constructed not only to control seepage for water retention but to treat unusual foundation conditions that may occur and create stability problems for the dam structure."

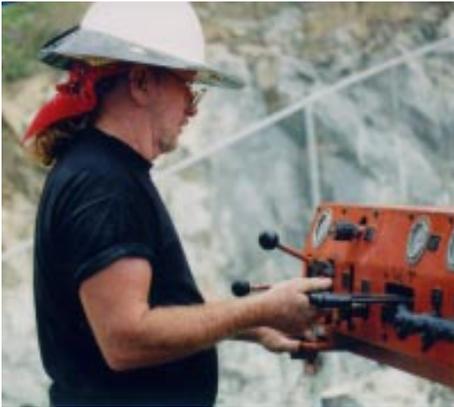
The crew operated hydraulic drills mounted on rails with down-hole hammers. They performed drilling, pressure testing, and grouting operations. While normal drilling was 60 feet per day, the crew set a record of 130 feet for two days straight, and a weekly record of 710 feet.

For Sloan, the assignment was a return home and an opportunity for a family re-

union. He was born and raised in Puerto Rico and still has family living there. He was able to see several aunts, uncles and cousins during his stay.

Voils said the trip was made much easier by the fact that Sloan could speak, read and write the language. In addition to working with local hired labor, the men also worked with employees from Vicksburg, Buffalo and Jacksonville districts. Workers from several other districts, including New Orleans and Baltimore, have also worked on the project.

Voils said the worst part of the trip was, "eating stuff you didn't know what it was," and the worst part of the job was, "climbing that hill with a can of gas in one hand." He said the 15 men working on the



Ray Voils drilling.

Darrell Custer

The Tulsa Crew



Carl Sloan

Darrell Custer poses by a rig.



Darrell Custer

Carl Sloan closely watching the drilling operation.

hill would drink 40 gallons of water each day – and that the water had to be carried up the hill. He mentioned the heat, climbing and callouses when reflecting on the assignment.

Of course, the assignment also had its rewards. Voils spoke of the beauty of the

area, the plants and flowers, the friendly people, and the cooperation by the diverse crew on the job site. The best memory from the assignment for him? “Swimming in the Caribbean Sea and sleeping in a \$400 suite.” It was a dirty job but someone had to do it.



Courtesy of Jacksonville District

The platform mounted on rails and attached to the wench lines stands empty. Men work on two drilling rigs off to the side. Daily work on the dam is being done in two 10-hour shifts.



Log crib work along bank of Illinois River



Three of several boulder clusters placed in the river

Sticks and Stones

Dan Bentley

Photos courtesy Tenkiller Lake Office

CONSTRUCTION OF TENKILLER DAM ON THE ILLINOIS RIVER BEGAN IN 1947 AND WAS PLACED INTO OPERATION IN 1952. At that time, the Illinois River was a virgin stream with many naturally occurring obstacles in the water to provide good fish habitat. In an uncontrolled stream, natural floods and erosion readily provide obstacles such as boulders, tree root balls and log jams which accumulate and provide good cover.

The dam is an unnatural barrier which doesn't allow movement of such materials from its upstream side. Over the course of time, the dam barrier and the lack of floods through controlled water releases downstream resulted in an environment mostly devoid of natural obstacles. It was hurting the quality of the put-and-take trout fishery below the dam.

Tenkiller Lake Office teamed up with local personnel from the Oklahoma Department of Wildlife Conservation to remedy the situation.

Using available literature and examples of work done below Beaver Dam in Arkansas, Tenkiller and ODWC personnel set to work. Necessary permits and approvals for the work were obtained. A plan of attack which included numbers and locations of proposed structures was developed. Tenkiller workers gathered many large, irregular boulders – some weighing nearly two tons – and took them to a staging area below the dam. Several trees were also selected near the staging area and were uprooted with a dozer to supply the needed trunks and root balls.

On Dec. 3, 1997, placement began. Using equipment and manpower supplied by both agencies, the boulders were moved into the riverbed

and placed in cluster formations. Care was taken to place them to optimize increased current velocities and maximize riverbed scouring around the clusters. The root balls were placed to project out into the river current. Several feet of tree trunk were left on each rootball. Deep trenches were dug, and the trunks were buried horizontally into the riverbank to hold the root balls in place. Portions of the trunks were used to construct log cribs along the riverbank to provide more fish shelters.

Materials for these simple fish structures are relatively inexpensive. Most can be located along any stream bank. Boulders are good to use because no other hardware is needed for their installation; their useful lifespan is almost unlimited. Some of the logs in the crib structures, depending upon the placement location, required additional cables, steel pins and anchoring epoxies to hold them in place. These excellent structures will provide fishery benefits for many years with very little maintenance necessary.

The man-made structures will supply resting places for the fish and hold them better. They will be less apt to move so quickly down river. This will give anglers a better chance at successful catches. The Illinois River is a healthier stream below the dam as a result of this cooperative effort, and both the fishery and the anglers are benefitting. Since the work was completed, Tenkiller Lake Office has received many calls from fishermen, local bait storeowners and sporting goods vendors to express their appreciation.

It isn't the first time the two agencies have teamed up at Tenkiller to do good things for Oklahomans, and it won't be the last.



Root balls placed along Illinois River

Annual Winners Named at Women's History Program

Rosemary Capshaw, Women's Program Manager

CONGRATULATIONS TO THE WOMAN OF THE YEAR, ADMINISTRATIVE/CLERICAL SUPPORT EMPLOYEE OF THE YEAR AND WOMEN'S CHOICE AWARD NOMINEES. All of the nominees have shown a great deal of dedication and hard work, and we are very proud of them.

The Woman of the Year is Judith Jarrad, Fort Gibson Area Office, Operations Division. The Administrative/Clerical Support Employee of the Year is Joyce Yarbrough, Programs and Project Management Division. And, the Women's Choice Award recipient is Tim Hunt, Logistics Management Office.

Carolyn Kusler, Broken Arrow, Okla., chief of police was the guest speaker for the program.

In addition to Jarrad, Woman of the Year Award nominees were Carolyn Russell, Military/Environmental Branch, Programs and Project Management Division; Sandra Stiles, Fort Gibson Area Office, Operations Division.

Other nominees for the Administrative/Clerical Support Employee of the Year Award were: Wanda Blackwell, Design Branch, Engineering and Construction Division; Julie Cawhorn, Tenkiller Lake Office, Operations Division; Jacque Lattie, Design



Angie Short

Judith Jarrad, Tim Hunt, and Joyce Yarbrough display their awards.

Branch, Engineering and Construction Division; Tallie Pope, Fall River Area Office, Operations Division; Susie Ross, Eufaula Lake Office, Operations Division and Phyllis Sands, R. S. Kerr Area Office.

John Daylor, Hydrology and Hydraulics Branch, Engineering and Construction Division, and Ed Rossman, Planning Branch, Planning, Environmental, and Regulatory Division, joined Hunt as Women's Choice Award nominees.



Courtesy of Texoma Project Office

Two of the many hunters enjoying the father/son duck hunt at Lake Texoma put together through cooperative efforts of the Dallas Bible Church and the Corps.

Unlimited Ducks

A VERY SUCCESSFUL FATHER/SON WATERFOWL HUNT WAS HELD AT LAKE TEXOMA thanks to James Cundiff of the Dallas Bible Church and Park Ranger Kris Patton. Volunteers from the church set out five dozen duck decoys the night before the hunt to maintain safe shooting lanes for the young, first-time hunters. They also provided breakfast on site. The mixture of seasoned and novice hunters had good results; 32 people and hundreds of ducks showed up.



John Wilson

One of many eagles wintering below Fort Gibson Dam this year.

The Eagles Have Landed

Helen Williams, Operations Division

TIRED OF WAITING IN LINE JUST TO GET A LOOK AT THE MENU? Well, you won't have a long wait if you view from the benches installed by the Oklahoma Department of Transportation below Fort Gibson Dam. That is, as long as you are a *Haliaeetus leucocephalus* club member. This exclusive viewing area for club members only came about when State Highway 80 was threatened by the Neosho River eroding into the roadway.

The transportation department applied for a Section 404 permit to stabilize a section of SH 80. There was concern for three federally-listed endangered species, bald eagles (*Haliaeetus leucocephalus*), gray bats (*Myotis grisescens*) and Ozark big-eared bats (*Plecotus townsendii ingens*), all known to be in the vicinity.

The main concern was loss of eagle foraging and roosting habitat along the side of the river. With innovative cooperation between the U.S. Fish and Wildlife Service, ODOT and the Corps, a mitigation plan to compensate for the loss of trees was developed.

As a team, we were aware of different types of man-made structures that eagles

just didn't seem to like. So, we came up with an idea for something different, a bit strange looking, but proving to be acceptable to club members.

Three strange looking structures can be seen on a section of land, about 3,600 feet in length and covered with riprap, between the roadway and river. Three poles more than 40 feet tall sprout from the riprap. Dead trees appear to be stuck on top of the poles.

This is the second winter these "pole trees" have been in place. There were no confirmed sightings of eagles using the structures the first season. However, Jim Harmon, retired USFWS employee and active Indian National Audubon Society member, says there were only six to eight eagles using the area last winter. This year, 25 to 30 have been in the area, and there have been two confirmed sightings of eagles using the pole trees to scout out their meals.

Monitoring will continue. In the meantime, if anyone speaks *Haliaeetus leucocephalus*, please spread the word to official club members.

On the Cover

Six Degrees of Separation

WHAT DOES THE FAMOUS PHOTO OF THE FLAG RAISING AT IWO JIMA HAVE TO DO WITH THE TULSA DISTRICT? More than you would guess. Pictured in the photo were Pfc. Ira H. Hayes; Pfc. Franklin R. Sousley; Sgt. Michael Strank; Pharmacist Mate 2/c John H. Bradley; Pfc. Rene A. Gagnon and Cpl. Harlon H. Block. Within weeks of the flag raising, Sousley, Strank and Block were killed in action and the surviving three became national heroes. Two of those three were connected to Tulsa District Corps Family members.

Gagnon was the great uncle of Torey Gagnon Iarrusso, Hank Iarrusso's wife. Hank is an attorney in Office of Counsel. John Bradley was Peter VanGorp's uncle. VanGorp works in Programs and Project Management Division. He has a framed print with a handwritten inscription which reads, "Best wishes to my nephew Peter, from John H. Bradley Ph.M 2/c."

Noting its incredible popularity, President Roosevelt, just a couple of months before his death, chose the famous photo as the symbol for the seventh bond tour to raise money for the war effort. The three survivors were together for the two-month bond tour in 1945. They were reunited on Nov. 10, 1954, when President Dwight D. Eisenhower dedicated the monument depicting the famous scene. The monument sits on a ridge across the Potomac River from Washington, D.C., near Arlington National Cemetery. Hayes died 10 weeks after the dedication ceremony.

Rene Gagnon, the youngest survivor, was the man who carried the flag up Mount Suribachi. He was the first to arrive back in the United States. An airlines clerk, he lived a quiet life in his native New Hampshire, insisting that he was "just doing his job" by raising the flag. He died of a heart attack at the age of 54 on Oct. 12, 1979.

VanGorp, who was four years old when his uncle helped raise the flag, says he got his signed picture during the second

See Six Degrees, page 11

Eufaula Eagle Day Features Ed the Eagle

Mike Dumford, Eufaula Area Office

MORE THAN 300 BALD EAGLE SUPPORTERS attended the 10th annual Eufaula Eagle Day. Dr. Stuart Woods, a federally licensed wild animal rehabilitator, gave the presentation. An injured bald eagle, Ed, had been rescued by Dean Wilborn and treated by Dr. Woods. An attempt to release Ed below the dam that afternoon was unsuccessful. Ed made a brief attempt to fly, but soon settled in to stay while.

Woods said the large crowd gathered for the day's events may have sparked a bird's version of stage fright.



Ed the Eagle trying his wings.



Volunteers working on a habitat improvement project.

After the program, Geneva Mooney presented handcrafted wooden plaques of intricately carved eagles to Dr. Woods, the Eufaula Corps of Engineers and Mike Dumford, Eufaula park ranger.

The Eufaula Project Office staff would like to thank everyone who participated in the habitat improvement projects. Thirty donated redbud and sugar maple trees were planted in the parks, and 300 feet of eroded shoreline in Porum Landing Park were sown with wildflowers. Another eight wildflower plots were planted around the dam, and 14 new bluebird boxes were hung.

Oologah Rangers Help with Rescue

ONE MORNING IN FEBRUARY, the early morning television news carried a story of a search for a missing elderly man in rural Nowata County. After seeing the broadcast, Park Ranger David Stewart called the sheriff's office for details.

He was asked to bring a boat to Big Creek Park, the area from which the man had disappeared. Stewart and Joe Custer, park ranger, took the project's flat-bottomed boat to the park where an extensive search was underway. They launched the boat and joined the search for the 88-year-old man.

Soon, they heard over the radio that the man had been found; they were able to mark the spot by a circling highway patrol plane. They arrived, pulled the boat to shore, loaded the unconscious man and his two rescuers onto the boat, and then headed back to the ramp.

Meanwhile, back at the park, rangers Glenda Vincent, Paul Shockley and Jim Bowles had arrived. Hearing that the man had been found and was being transported by the project's boat, they put the boat

trailer on their truck, and put it in the water. When the rescuers arrived, they loaded the boat onto the trailer and towed it directly to a waiting ambulance.

Thanks to all the rescuers, including the Corps rangers, the lost gentleman suffered no more than a bit of hypothermia. Rangers report he was only kept in the hospital for a short while, was released, and is doing fine.



Courtesy Eufaula Area Office
Mike Dumford

Eufaula Ranger Cares for Customers

MIKE DUMFORD, PARK RANGER AT LAKE EUFAULA, has been chosen the Customer Care Employee for the first quarter, fiscal year 1998. Dumford was nominated for his special ability to solve difficult problems involving owners of properties adjacent to the lake.

Lake Eufaula has a very narrow band of government property with about 250 adjacent housing developments. This situation creates an enormous amount of public contact involving permits, disputes and other shoreline management problems. According to the nomination, Dumford's "experience and ability to solve problems with the least amount of adversity are outstanding."

Congratulations, Mike!

From the Mailbox



To Jim Boggs, biologist, Environmental Analysis and Compliance Branch, from Janet Slater, program chair, Tulsa Audubon Society:

We of the Tulsa Audubon Society wish to thank you for the wonderful presentation on conservation of Interior Least Terns which you gave at our society monthly meeting. You did an excellent job of informing us about terns, your work with them and the mission of the Corps of Engineers in managing the waters of the Arkansas River basin. Your diligent preparation, the exceptional quality of your slides and the attendance of your co-

workers also attested to the high quality of service you and the Corps are providing to all of us.

To the editor from Linda Rutz, Carlin, Nev.:

I don't know if you can help me. I'm researching my family's history and the only son of my grandparents was killed Aug. 4, 1942, while working on the Denison Dam project.

The story is he was operating a big earth mover when something broke, and it rolled (as he was on the side of the earthen dam). One of the tires crushed his head.

Name: William Merrill Horner
Birthdate: Nov. 2, 1920
Married: Jan. 23, 1941, Durant, Okla., to Helen Denton. At the time William was killed, she was six months pregnant.
Burial: Denison, Texas
Mother: Ruth Ellen Horner from Casper, Wyo.

We have pictures of his grave piled high with flowers but no one wrote the cemetery name on the back of those pictures. We are trying to find his grave.

Also there was mention of a plaque to be on display somewhere at the dam with the names of all the workers killed while working on the dam. Last fall, we were there, and no one seemed to know about this, and we couldn't find his grave. Didn't have time to go to all the non-Catholic cemeteries.

I hope you can be of some help. Waiting for your reply.

Editor's note: If anyone has information which would help Ms. Rutz in her search, please call Public Affairs Office at 918/669-7366 for her address.



Visit Tulsa District on the Internet!

<http://www.swt.usace.army.mil>

Training for Change

Arlyn Hendricks

IN THE PAST FEW YEARS, TULSA DISTRICT EMPLOYEES HAVE UNDERGONE NUMEROUS CHANGES including reorganization, downsizing, and CEFMS implementation. Most resulted from diminishing resources, decreased or changing workloads and technology. One sure thing about all the change is that its rate is accelerating.

Operations Division has been greatly affected. Larry Hogue, chief of the division, and the area managers realized that many people needed help dealing with what was going on. It was decided that training was needed.

A course developed by Russ Linden and Associates, "The Human Side of Change," was selected. The big question was – given the limited manpower and funding – how could we efficiently get the course out to all Operation Division employees scattered over parts of three states? To hire outside facilitators to present the course was out of the question due to the cost involved. It was also thought that having someone familiar with the Tulsa District and especially Operations Division would be an asset to the course.

Hogue called upon the four Leadership Education and Development facilitators in Operations Division, Jimmy Pryor, Jim Fry, Loyd Isley and Arlyn Hendricks. They were tasked with this new mission.

Due to the number of sessions that would be required and the fact they would be scattered all over the district, it was decided that more facilitators would be required. Four were selected – Mark Ellison, Charlie Crumpler, Terry Holt and Marcus Ware. The course's developer, Russ Linden, trained the facilitators during the area managers' meeting in late October.

To help employees deal with the Reduction in Force, January was selected as the timeframe to complete the training. Mother Nature cooperated by giving us good weather, and the training was completed as scheduled.

Feedback from the sessions was positive, with most attendees feeling that the course was very appropriate and worthwhile. Plans are underway to offer additional training next year with "teambuilding" as a possible focus.

Engineer for a Day Program

Pete Navesky

ON FRIDAY, FEB. 28, THE TULSA POST, SOCIETY OF AMERICAN MILITARY ENGINEERS, HELPED HOST SIX LOCAL AREA HIGH SCHOOL STUDENTS ON A TRIP THROUGH THE TULSA DISTRICT CORPS OF ENGINEERS OFFICES.

These six budding engineering students, along with about 48 others, began the day at the Engineer for a Day Breakfast and Awards ceremony. At this breakfast the local MATHCOUNTS awards were presented, along with scholastic achievement and other awards sponsored by the Tulsa Chapter of the Oklahoma Society of Professional Engineers and the Engineers Society of Tulsa.

As a part of the morning's breakfast activities, the students were treated to a hands-on tour of the Site Characterization Analysis and Penetrometer System, a tri-service developed aid to more rapidly analyze subsurface conditions at hazardous waste sites. Elizabeth Herman, Cliff Murray and Steve Brewer from Engineering and Construction Division demonstrated the unit.

Following this, Deputy Commander Lt. Col. Lawrence Norton and Readiness and Security Branch Chief Peter Navesky hosted the students on a tour of the Tulsa offices. The tour began with an overview of the Tulsa District and a briefing on the Mingo Creek Local Flood Protection Project. There were also demonstrations of the Geographical Information System in use at the district, the remote stream gaging equipment and methods of operation in use throughout the district's watersheds, and the watershed forecasting software and tools used by the Hydraulics & Hydrology Branch to balance the district's lakes.

We welcome the following students to the engineering profession: Chris Esau, Eric Hayward, James Gourley and Jeremiah Garcia from Broken Arrow High School and April French and Joshua Rapson from Will Rogers High School.



Don and Glenda Dale look over a Certificate of Appreciation being held by Jim Laster, chief, Support Services Branch, Information Management Office.

Appreciative Customer

CUSTOMER APPRECIATION WORKS BOTH WAYS. In the case of Imperial Printing, Tulsa District is the satisfied customer. Jim Laster, chief of Support Services Branch, Information Management Office, recently presented the owners of Imperial Printing a certificate extolling the reasons for that appreciation.

Laster presented a Certificate of Appreciation to Imperial Printing for more than 15 years of outstanding printing and reproduction services support to the district.

According to Laster, Don and Glenda Dale, owners, have consistently made efforts which exceeded contract requirements to meet critical deadlines. They have worked long hours and weekends without additional funding. These efforts have often played a key role in providing a timely service to the district's customers.

... Six Degrees

from page 8

world war and had it rolled up in a drawer. John Bradley was married to Elizabeth VanGorp, Peter's father's sister.

Bradley entered the service in 1943 and was discharged in 1945. He was a Navy Corpsman who was wounded in both legs and won the Navy Cross for heroism. He attended mortuary science school and eventually became a partner in a funeral home.

VanGorp remembers when officials came to town to measure his uncle's head

for the Iwo Jima Monument being built.

Bradley was a successful businessman, raised a family of eight and was a community leader. He shunned the publicity which went with his hero status. A quiet, private man, Bradley gave just one interview in his life. In 1985, ending years of silence, he talked about the flag raising in a Public Broadcasting Service documentary marking the 40th anniversary of the fierce 1945 battle for the Pacific island. "I just jumped in and gave them a hand," he said. "I just came along. I was in a certain place at a certain time."

The final survivor, Bradley was 70 years old when he died in 1994. He had erected a wall of silence around his war experiences and had fought to be just an ordinary citizen. His local newspaper captured the dichotomy at his death when it wrote, "John Bradley will be forever memorialized for a few moments action at the top of a remote Pacific mountain. We prefer to remember him for his life. If the famous flag raising at Iwo Jima symbolized American patriotism and valor, Bradley's quiet, modest nature and philanthropic efforts shine as an example of the best of small town American values."

Personnel Notes

January Hello

Laura Bryant, OD, Eufaula Project Office
Carolyn Preston, OD, Eufaula Project Office

Goodbye

Ruth Baer Daily, IM, Automation and
Communication
Ronald Barker, EC, Design Branch
Lesley Davison, LO, Supply Branch
Melvia Fenn, LO, Supply Branch
Janet Graham, IM, Support Services Branch
George Hall, EC, HTRW Design Center
Cliff Hays, OD, Keystone Project Office
Margaret Lowerison, RE, Management and
Disposal Branch
Mark Osment, OD, Keystone Project Office
Perry Rogers
Ronald Shurley, EC, Design Branch
Terence Smith, RE
Jerry Vanhoozer, PP, Environmental Branch

Promotions

Kari Barr, IM, Automation & Communication
Robert Coats, PL, Environmental Analysis and
Compliance Branch
Tamra Moreno, CT, Contracts Branch
Brian Osberghaus, OD, Texoma Project Office
Amy Picarella, PL, Environmental Analysis
and Compliance Branch

February Hello

Shannon Thurman, OD, Marion Project Office

Goodbye

John Granchie, EC, Central Okla. Area Office
James Hoover, PL, Environmental Analysis
and Compliance Branch
John Horner, EC, Design Branch
Sandra McGriff, OD, Hugo Project Office
Graham Reeves, OD, Fall River Project Office
E. F. Simms Jr., RM
Gary Smith, EC, Central Okla. Area Office
Janie Steele, RM, F&A Branch
Helen Tharp, OD, R. S. Kerr Project Office
Tommie Tune, OD, Canton Project Office
Donna Wright, OD, R. S. Kerr Project Office

Promotions

Robert Roby, EC, Contract Admin. Branch
Vicky Weatherly, PL, Environmental Analysis
and Compliance Branch

Questions for the
Human Resources Office?

1-800-453-8907



Earth Day '98 – Back to the Past

Jim Harris, Operations Division

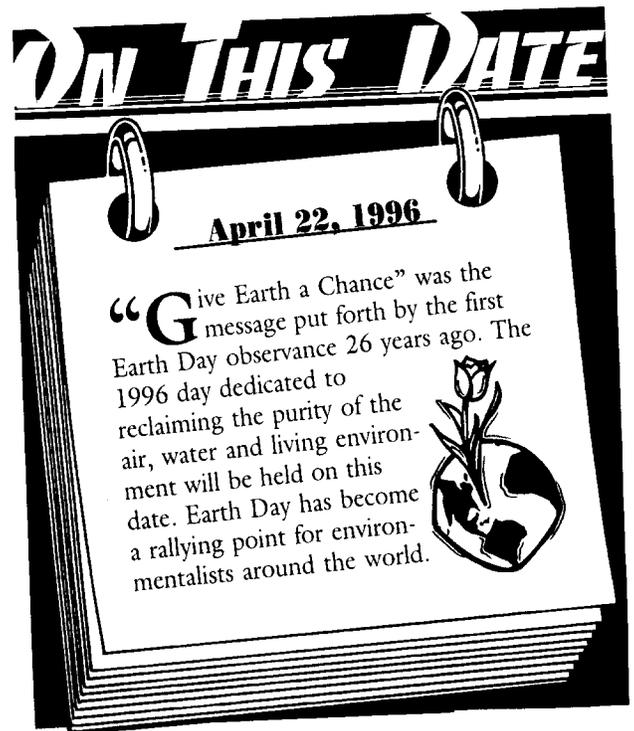
ON APRIL 22, WHEN TULSA DISTRICT HOLDS OPERATION CLEAN SWEEP AS PART OF EARTH DAY '98, A NEW BUT OLD CLEAN-UP SITE WILL BE ADDED. In addition to picking up trash from the district office grounds and the Redford retention site, volunteers will also gather litter at the district's Up With Trees Site.

This site, located on the northeast side of the U.S. Highway 75 and Broken Arrow Expressway interchange, was originally a part of the 1990 Earth Day observance. That year, employees from the Tulsa headquarters office and Oologah Lake planted 87 trees at the site. The district was formally afforded recognition as a sponsor of a Tulsa Up With Trees program site, and a sign to that effect was posted. It is still in place today.

The district's Up With Trees site is a reminder to motorists that the Corps cares about the city and the environment. It gained added importance, to the Corps family at least, on Arbor Day 1991 when an Eastern White Pine was planted there. That tree commemorated the efforts of Tulsa District employees and family members who served in the Kuwait Theater of Operations in support of Operation Desert Storm.

Initial Tulsa District support for Operation Desert Storm soldiers and their families began with the creation of an honor roll wall in the lobby of the old Federal Building on Boulder. Names of Corps employees and family members serving in Desert Storm were placed on honor roll plaques. The names were also printed on red, white and blue hearts and placed on the Desert Storm Pine Tree in the lobby. They remained on the tree until it was planted at the Up With Trees site.

Now, eight years later, the tree plantings, including the Desert Storm Pine Tree are in excellent condition. The pine tree is the largest tree on the site. Maintenance is handled by Up With Trees program personnel, but their efforts do not extend to litter pickup. That is why the Tulsa District's Up With Trees site has been added to this year's Earth Day 1998 Clean Sweep Operation.



Recycling Matters

Greg Molchan, Recycling Committee

TULSA DISTRICT LEADS THE NATION WITH A WELL-COORDINATED POLLUTION PREVENTION PLAN. That P2 Plan identifies waste streams with the goal of reducing waste at its source and recycling what is left. Our successful recycling program augments the P2 Plan by reducing bulk trash by 40 percent and generates money which benefits district employees.

Each division has a P2 Coordinator who can help you participate in this important waste management system. Currently we have bins for three types of recyclable items generated at work – glass, plastics and batteries. Contact your P2 Coordinator or division chief to find the location of the bins on each floor.

Our recycling program supports the P2 mission by providing for the collection and disposal of paper and aluminum cans. Here's how to pitch in to get rid of that trash, tidy up your office and home, and generate revenue for district festivities.

Cans – Blue barrels are found on every floor and are for aluminum cans only. The cans should be rinsed twice and be empty. Volunteers empty the barrels as needed and take the cans outside to a cage trailer where they wait for our recycling company to pick them up. You can also bring in cans from home to contribute to our district collection; just put them in a plastic bag and throw them in the trailer.

Paper – There has been some confusion lately concerning newsprint and corrugated cardboard. The recycling committee is working hard to resolve these issues, but for now save your corrugated cardboard and newsprint or take it to one of the Metropolitan Environmental Trust recycling locations. Paper bins are on every floor and can accept any “mixed office paper” including your home contributions. **THIS INCLUDES** most paper including junk mail, copy paper, colored paper, magazines and phone books. **IT DOES NOT INCLUDE** tissue, carbon paper and food contaminated paper. There has been an increase lately in food contaminated paper in the bins which reduces the value of our paper. Please **DO NOT** throw food waste in the recycling bins! Put garbage in the trash cans and only clean paper in the recycle bins.

All proceeds from recycling sales go to the Civilian Recreation Committee exclusively for events that benefit employees such as the end-of-year picnic, Christmas party, Corps Day and others. For continued P2 success, the conservation of local landfill space, energy conservation, lower district operating costs and free employee benefits – Recycling Matters!

Paper Recycling Results



Month	Trees Saved	Tons of Paper	Amount Made
Jan.	110	6.49	\$73.13
Feb.	116	6.82	89.75
Totals	226	13.31	\$162.88

Aluminum Can Recycling Coordinators

5th North – Charlie Transue, 7574
 5th South – Blake English, 7320
 4th North – Pam Shelton, 4917
 4th South – Greg Molchan, 4950
 3rd North, South and Annex – Calvin Hall, 7141
 2nd – Mary Beth Hudson, 7361
 1st – Patty Frye, 7377

P2 Coordinators

EEO – Maggie Fletcher, 4943
 IM – Hal Capshaw, 4393
 CT – Ivy Canole, 7277
 OD – Mike Diggs, 7398
 PP – G.T. Gowda, 7553
 IR – Vernon George, 7355
 OC – Kay Hoover, 7572
 PA – Vonda Jackson, 7363
 RM
 LM – James Puckett, 7473
 RE – Gary Sallee, 7691
 PL – Pam Shelton, 4917
 SO – Barry Tudor, 4967
 EC – David Urbon, 7021
 DEM – Loren Mason, 7409
 LO – Tim Hunt, 7439

MET Recycling Locations:

21st and 129th E. Ave.
 18th and Yale
 Admiral and Louisville
 61st and Yale
 81st and Lewis
 51st and Union
 Hwy 97 and Keystone Expressway
 100 N. Elm, Jenks
 144th and Fern, Glenpool
 151st and Memorial, Bixby
 200 E. Taft, Sapulpa



Suspicious Activities???

What are they?

Simply put, they are any events taking place that are out of the ordinary!

Knowing your coworkers, their habits and your work-place makes it easier to recognize when something just isn't right. Chances are, if it doesn't seem right, it isn't.

Examples:

- Unknown individual moving or carrying government property
- Excessive amounts of property stored in personal car
- Employees keeping unusual business hours without a known reason
- Unusual noises
- Slow moving vehicles around the buildings and/or parking lots
- Parked vehicles that are occupied
- Abandoned vehicles
- Unknown individuals walking around the buildings and/or parking lots

It looks suspicious - now what?

1. REMEMBER as much as you can about the situation – Who? What? Where? When? Why?
2. REPORT IT, REPORT IT, REPORT IT – To your supervisor or the building security guards or to Readiness and Security Branch – Patricia Lutz, Ext. 7326.

It may be *nothing!* But, let it be investigated !!!

... Spotlight

from page 2

Park rangers never know when their work will be instrumental in saving someone's life. Oologah rangers, **David Stewart, Joe Custer, Glenda Vincent, Paul Shockley and Jim Bowles**, recently helped rescue an 88-year-old missing man. The man had disappeared the day before from the Big Creek Park area, and the rangers were instrumental in returning him to safety. Great work!

Joanne Hensley and Christine Altendorf, both of Military Design Section, Engineering and Construction Division, have been selected to attend Army Management Staff College. Their selec-

tion is a great opportunity for them and an excellent investment in future of the Corps. Their dedication to self-development is to be commended. Congratulations to you both!

Mary Meeker, Terry Rice and Rick Hedrick all deserve special recognition for their efforts on a Fort Sill environmental project, the CEIHOT Cost Estimating Course. Mary developed the entire course and was responsible for coordinating, editing, writing and organizing its text. Then, Terry and Rick went to Fort Sill to teach parts of it. The Fort Sill folks who attended have been very complimentary of the material and the teachers.

See Spotlight, page 16



Condolences

To Paul Shockley, park ranger at Oologah Lake, on the Jan. 30 death of his father, Paul Shockley.

To Sally Van Winkle, support service specialist at Webbers Falls Lake Office, on the Feb. 8 death of her mother, Dorothea Schrecengost.

To John Blackwell, Information Management Office, on the Feb. 9 death of his father, Hobart Blackwell.

To family and friends of Tom Kendall, retiree, who passed away recently. He was a realty specialist for a number of years and worked in several real estate project offices. He was instrumental in purchasing land for several Corps projects including Hugo, Eufaula, Millwood, DeQueen, Kaw, Big Hill, El Dorado and others.

To Marilyn Herring, retiree from Contracting Division, on the Feb. 8 death of her mother, Alpha Ponton.

To Debbie Scheckel on the March 3 death of her mother, Paulette Lancaster. Debbie is an office automation clerk in Programs and Project Management Division.

To Minnie Wagoner on the March 2 death of her 26-year-old son, Billy. Minnie is the administrative officer at Texoma Lake Office.

To Ed West on the death of his mother, Myrna West. Ed is a computer specialist in Automation and Communication Branch, Information Management Office.

To Marion Newton, lock and dam operator at Robert S. Kerr Lock & Dam 15, on the unexpected death of his mother on Friday, March 6. Mrs. Newton was 76 years old and resided in Palestine, Texas.

To family, friends and coworkers of Michael Clemons, Lake Tenkiller park ranger, who passed away March 6 due to complications from cancer. Mike will be greatly missed at Tenkiller and throughout the Tulsa District. Mike was survived by

his wife, three children and an unborn child. Anyone wishing to make donations to Mike's family may send a check made out to Rhonda G. Clemons to the Tenkiller Lake Office. The address is:

U.S. Army Corps of Engineers
Tenkiller Lake Office
Route 1, Box 259
Gore, OK 74435

To Louise Pierce, retiree from Accounts Payable, Resource Management Office, on the March 8 death of her husband.

Retiree Roundup

I'm working as a registered land surveyor with Three Rivers Engineering and Surveying in Fort Gibson, Okla. I've been working for them since January 1997.

I've come full circle. I started on a survey party at Eufaula Dam in 1960. I worked there for 3 1/2 years, was RIFed in 1963, and then worked as the first computer operator for the Tulsa District for about 3 1/2 years in the district office in the Chamber of Commerce building at Fifth and Boston.

In late 1966, I transferred to the Webbers Falls Resident Office and worked there for eight years. During this time, I went back to school (Northeastern State College) and got a degree in physics. I went through the Civil Service Commission and was rated as a civil engineer. I worked the rest of my career as a civil engineer.

I spent the last 17 years at Robert S. Kerr with the exception of three tours in Saudi Arabia.

I had the most fun of my career working on a survey party. The most rewarding work was my tours in Saudi Arabia.

I was privileged to work under Mr. Webster Boland, Mr. Charlie Steed, Mr. Charles Surbey and Mr. Curtis Weddle.

Mr. Pat Clark gave me my most encouragement during the time I was finishing my college and working fulltime.

Mr. Brad Craig was one of my most supportive supervisors.

I thoroughly enjoyed working with all the co-workers and the 30 years plus. My memories are too numerous to mention, but the people I worked with will remember.

Finas Howard Doolin
retired 1990 from Robert S. Kerr
30-plus years of service

After living in Arizona and Lake Charles, La., we moved to Waco to be near our oldest son who is a professor of mechanical engineering at Baylor.

April 15, 1996, my husband, Orville, died, and I am now living in a retirement center in downtown Waco.

I am in reasonably good health and enjoy some of the many recreation activities that are provided.

Becky Doty, retired 1978 from
Hydraulics, with about
15 years of service

I have been enjoying retirement. I have been raising exotic animals – ostrich, emu, rhea, red deer, llamas and cattle since retirement from the Corps, so don't have much time to play.

I enjoy the get together affairs, Christmas parties and other occasions.

Alfred Craft, Denison Powerhouse operator, retired 1991, 26 years service

I retired from the Corps in March of '96. I was currently serving as grand master of Masons for the state of Oklahoma. That term ended in November '96 and included traveling throughout the state of Oklahoma as well as other states.

My wife, Nellie, and I visited the Holy Lands in December '96 and enjoyed it very much. In April '97, I began another career with American Land Development Company and am still serving them as a general contractor. They have several residential areas with lots available for building new homes.

We moved to Drumright, Okla., in June '97, and I enjoy playing golf every chance I get at the local golf course.

I sincerely enjoyed my early years with the Corps. I wished that the newer employees could enjoy the "family atmosphere" and closeness that we enjoyed in the '60s and '70s.

My best wishes to everyone, and I hope your futures are blessed with prosperity.

Gary Davis, retired 1996
Modifications Section
33 years service

Playing tennis, church work, some contract work, enjoy playing my guitar. Trying to stay ahead of the health game. Help/work with my grandsons. Seem to find plenty to keep busy.

Ed Davison, retired 1994
H&H Branch, 34 years service

Sorry!!! I'm not much of a writer and I could find no pictures. I do have a lot of pleasant and humorous memories of my stint with the Corps, though. I worked with some fantastic people!

I hope this response is not too untimely.

I remember Bob Maxon as a guy who always seemed to have a camera. Maybe he will be able to furnish some good pix? He goes a lot further back than I anyway.

George A. Dout, retired 1994 from
Robert S. Kerr, 30 years service

Family Additions



Blake Edward Mattioda, born

Jan. 30 – son of Eddie and Angie Mattioda. Eddie is a chemist in the Army Section of the HTRW Design Center.

Austin Douglas Lilly, born Feb. 22 – brother of Allison and son of Gene and Judy Lilly. Gene is the program manager for the Continuing Authorities Program in Planning Branch, Planning, Environmental and Regulatory Division.

Cole Alan Henderson, born Feb. 24 – son of Scott and Jeannine Henderson. Scott is a quality assurance representative in Tulsa Area Office.

Ashley Marie Turner, born March 11 – daughter of Loretta and Lee Turner. Loretta is a chemical engineer in Air Force Section, HTRW Design Center, Engineering and Construction Division.

Raven Rachell Carr, born Feb. 28 – daughter of Nikki and David Carr. Nikki is a staff accountant, Civil Works Section, F&A Branch, Resource Management Office. Raven was two months premature and weighed two pounds, eight ounces at birth. As of March 24, she weighed three pounds, two ounces, and her mother said she was working her way up to going home from the hospital.

Noah Clemons, born March 24 – son of Rhonda and the late Michael Clemons. Michael was a park ranger at Lake Tenkiller. He passed away March 6.

Be the Corps standard in customer care and professionalism.

Flash From the Past

January 9, 1961 – This photo was taken at Eufaula Dam looking downstream in monolith 8 of the foundation and formwork. Howard Doolin is holding the level rod and Gordon Riley is running the level. They are checking the forms of the inspection gallery gutters.



Taken by Lawson Jackson, geologist. Courtesy of Finas Doolin, retiree

... Spotlight

from page2

Several people were involved in making this year's Engineer for a Day program successful. Thanks go to:

- **Elizabeth Herman, Cliff Murray and Steve Brewer** for the SCAPS rig demonstration;
- **Richard Bilinski**, PPMD, for the Mingo Creek briefing;

- **Jim Leach, Russ Wycoff, Ray Barnes, Ron Bell, John Daylor and Mary Ann Duke**, H&H, for their demonstrations;
 - **Ross Adkins**, PAO, for presenting the command briefing.
- Thanks also to **Pete Navesky** for his multi-hatted role of chauffeur, master of ceremonies, tour guide and buyer of breakfast.

The Woman of the Year Award was recently presented to **Judith Jarrard**,

Fort Gibson Area Office, Operations Division; the Administrative/Clerical Support Employee of the Year Award was presented to **Joyce Yarbrough**, Programs and Project Management Division; and the Women's Choice Award was presented to **Tim Hunt**, Logistics Management Office. Congratulations to all winners and nominees!

Essays!!