

# Uranium Enrichment News

A Monthly Newspaper for Employees of Martin Marietta Utility Services, Inc.

Volume 1

AUGUST 1993

Number 2

## Paducah eliminates use of TCE, TCA solvents

Paducah has eliminated use of two common chemical cleaning solutions, resulting in cost avoidances of \$19 million and abolishing a major pollutant.

The plant effectively stopped using trichloroethylene (TCE) and the almost identical chemical, trichloroethane (TCA), to degrease parts and equipment on July 1. TCE was one of two primary contaminants identified in groundwater at and around the Paducah plant during an extensive study that began in 1988. Used at the plant since 1952, TCE is a common groundwater pollutant nationwide because its use is widespread and it moves easily through soil. TCE and TCA are also targeted for reduction by the Clean Air Act of 1990 because chlorinated vapors are thought to be harmful to the atmosphere.

TCE and TCA, like many other chemicals, were not known to be potentially hazardous until about 20 years ago. Since then, efforts to handle and store them more carefully have helped control the related problems. Paducah began reducing its use of TCE in 1981.

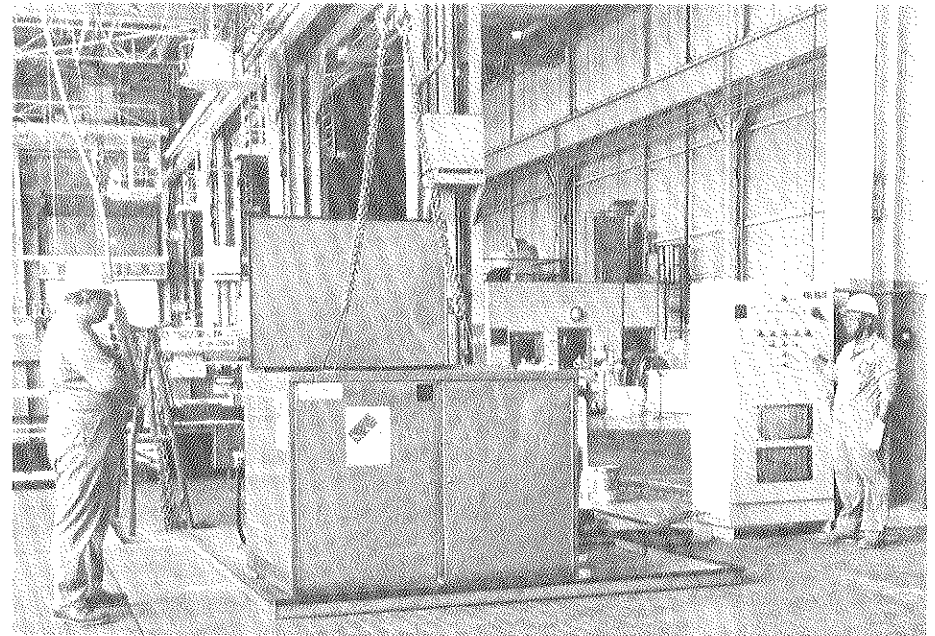
"Eliminating trichloroethylene and

trichloroethane is a major achievement for our plant," said Steve Polston, Plant Manager.

This project also enables Martin Marietta Corporation to exceed its commitment to the Environmental Protection Agency to significantly reduce discharges of chlorinated solvents at the plant.

Walt Whinnery (Chemical, Utilities and Power Technical Support Department) is in charge of a project that replaces the plant's existing degreasing operations which use TCE and TCA. The goals of this project had to be met in order for the plant to eliminate the chemicals. A number of people and work groups have come together to make the project work, Whinnery said, and only through close cooperation could the tight completion schedule have been met.

Overall, the key to success for the project has been a willingness to look at existing degreasing operations with an open mind. For 40 years, pipe, fittings, valves and any other greasy, dirty parts that needed to be cleaned for maintenance work were placed in a large degreasing unit filled with TCE vapor.



Chemical Operations employees Franklin Fox, left, and Don Martin use an overhead crane to lift a basket of small parts from one of the two water-based cleaning units that replace the chemical degreasers used at Paducah for 40 years. Installing new degreasers allowed Paducah to stop using TCE, a frequent source of groundwater contamination.

The vapor was created by heating the TCE in the unit's boiling chambers. Pipes filled with coolants circling the top of the unit caused rising vapor to condense before it escaped and dropped back to the vats underneath. The process worked, but it wasn't particularly efficient. A second somewhat smaller degreaser used TCA to clean radioactively contaminated parts.

A 1992 study showed that most of the parts degreased were small and could be cleaned more easily and efficiently in smaller degreasing units. Laboratory studies found that water-based (aqueous) cleaners are more effective in removing grease than TCE or TCA. Aqueous systems also operate effectively on a smaller scale, producing less waste.

Based on knowledge of the process, and with these facts in hand about alternatives, the plant was ready to commit to making the changes necessary to eliminate TCE and TCA at Paducah.

The plant already had one smaller 250-gallon "Lewis" degreaser located in the Electric Motor Shop in C-720. This machine uses a warm, water-soluble cleaning solution combined with ultrasonic waves to clean grease from parts with no radioactive contamination. The solution is filtered continuously to remove suspended particles and oil. It can be recirculated for extended periods. Whinnery said Mar-

tin Marietta's Astronautics facility in Denver, Colorado, has similar solutions that are working effectively after two years. When disposal is required, the cleaning solution can be treated to render it nonhazardous.

An agreement was reached between Chemical Operations and the General Plant Support Division to move this degreaser to C-400 and use it as one of two alternative degreasers that would replace the TCE and TCA units. Whinnery said degreasing of electric motors will be done on a priority basis to be sure the Motor Shop can maintain good customer service. This agreement alone saved the plant \$70,000, the cost of a new Lewis degreaser. The Lewis degreaser was installed in C-400 in June.

The second degreaser, a "Branson" 35-gallon unit, was obtained from the

(Continued on page 10)

### TCE's history at Portsmouth

In 1987, Portsmouth personnel discontinued the use of Trichloroethylene (TCE) as a degreasing solvent and recommended that it be substituted. They evaluated several products containing 1,1,1-Trichloroethane (TCA) and other less hazardous cleaning agents and selected them as temporary substitute degreasing agents. In addition to eliminating the use of TCE as a degreaser, Portsmouth also stopped using TCE for cold trap baths in Cascade Operations. The remaining quantities of TCE were removed from Stores stock.

That same year, TCE was substituted with the less hazardous TCA in operations such as hot vapor degreaser tanks, spray booths, hand tables and spot cleaning operations. But now, the use of TCA in many of these operations has been eliminated. For example, the small parts washer in the X-720 Motor Shop has been replaced with a less hazardous water soluble detergent. Specifications are being written to replace the large hot vapor degreaser in the X-720 Compressor Shop with a pressurized hot water system. The last remaining vapor degreaser using TCA is currently being evaluated for replacement. It is located in the X-720 Seal Shop.

To address TCA use, Portsmouth identified nine products which contained TCA as a constituent. Five of these products (Tap Magic, Gear & Chain Lube, Penetrating Oil, Electric Motor Cleaner, and Black Lacquer) have been discontinued and substituted with less hazardous products. In addition, Stores stock specifications were revised to prevent future purchases of products containing TCA. Substitutions for the remaining four products are being evaluated.

As a result of past TCE use, many restoration projects have been implemented to remove any TCE that may be in soils and groundwater at the Portsmouth site.

-Contributed by Rod Gossett, Ward Litchfield, Sam Maroudis and Roger Stephenson of Portsmouth's Industrial Hygiene Department

1993 Employee Outing  
for Portsmouth  
Saturday, September 18  
at

Wyandot Lake  
NEXT TO THE COLUMBUS ZOO

See page 9 for details!

# UE plants complete savings bond campaigns

Portsmouth and Paducah both recently completed successful 1993 U.S. Savings Bond Campaigns.

## Paducah

Paducah led Energy Systems in the campaign with an 85.7 percent participation rate.

"I am very pleased with the total and would like to thank the division coordinators and canvassers for their hard work, and plant management, the unions, and bond purchasers for their support," said **Brenda Lichtenberg**, Paducah Savings Bond Campaign Coordinator.

The Business Management and Plant Manager's Divisions at Paducah had 100 percent participation in the campaign. Three other divisions, Human Resources, Technical Operations and Safety and Health, were above the Energy Systems goal of 90 percent participation.

Campaign Committee members besides Lichtenberg included Co-chair **Mary Walker**; OCAW, Local 3-550 Co-chair **David Fuller**; UPGWA, Local 111 Co-chair **Bill Brien**; Business Management- **Miriam Miller**; General Plant Support-**Tom Cannon** and **Mike Turner**; Human Resources-**Kathy Johnson**; Technical Services-**Norma Weatherford**; Safeguards, Security and Emergency Services-**Jerry Mizell**; Cascade Operations-**Dean Terry**, **Jané Ladd** and **Charlotte Powell**; Technical Operations-**James Carrigan**; Environmental Restoration-**Sharon Hampton**; Safety and Health-**Keith Potter**; Environmental and Waste Management-**Paula Keeling**; Management Systems and Compliance-**Michelle Grisham** and Chemical, Utilities, and Power Op-

erations-**Eva Stratemeyer**.

Paducah winners of the sheets of uncut dollar bills signed by the U.S. Treasurer were **Jim Goforth**, **Barry Crowe**, **Steve Spencer**, **George Taylor**, **Clint Dixon**, **George Johnson** and **Brad Crowder**.

## Portsmouth

Portsmouth led Energy Systems in percentage participation increase by jumping nine percentage points since the 1992 campaign. **Bill Strunk**, Division Manager, Safety and Health, served as the Campaign Coordinator for Portsmouth. Total plant participation was 71.6 percent with salaried workers and members of the United Plant Guard Workers of America (UPGWA) Local 66 participating.

A savings bond appreciation luncheon was given for campaign workers at Portsmouth on June 25 in the X-102 Cafeteria. **Howard Gabe**, Area Manager, U.S. Savings Bond Division, and **Tony Fish**, Coordinator of the Pike County U.S. Savings Bond Campaign, were on hand for the celebration.

The bond planning team at Portsmouth included Strunk and his Co-chairs, **Kristy Landman** (UPGWA) and **Donita Grashel**. Grashel, who also served as Co-Financier, will serve as Campaign Chair for the 1994 campaign. Other members of the team were **John Christian**, Publicist; **Leo Gillen**, Co-Financier; **Patty Hines** and **Jerry Moore**, Trainers and **Linda Ortman**.

Division Coordinators included Plant Manager's Area and Business Management-**Linda Ciraso**; Safeguards, Security and Emergency Services-**Cheryl Bauer**; Quality Services and Compli-



Portsmouth's 1993 U.S. Savings Bond Planning Team and Division Coordinators pose with the Minuteman Flag following a successful campaign. They include (kneeling) **Tony Fish** (Chairman of the Pike County Campaign), **John Christian**, **Leo Gillen**, **Bob Winegar**, **Jerry Moore**, (standing) **John Steward**, **Page Deemer**, **Linda Ortman**, **John Shoemaker**, **Bill Strunk**, **Lisa Tidrick**, **Julie Quesenberry**, **Cheryl Bauer**, **Elaine Litten**, **LaDonna Coriell**, **Kristy Landman** and **Howard Gabe**. Not pictured are **Linda Ciraso**, **Jan Mann** and **Bob Moore**.

ance Management-**Page Deemer**; Technical Operations-**Bob Winegar**; Chemical, Utilities and Power Operations-**Jan Mann**; General Plant Support-**John Steward**; Human Resources-**LaDonna Coriell**; Cascade Operations-**Elaine Litten**; Environmental and Waste Management-**Julie Quesenberry**; Safety and Health-**Linda Ortman** and Environmental Restoration-**Bob Moore**.

Awards were given to the large and small divisions with the highest percentage of participation. Human Resources won the award for the small division for the second year in a row with 83.9 percent participation. Technical Operations won in the large division category with 76.8 percent of participation.

Portsmouth also conducted an employee drawing for uncut dollar bills. Winners included **Charles Bearhs**, **Robert Coburn**, **Perry Herpy**, **Bryan Miller**, **Joe Porter**, **Len Sendek**, **John Sisler**, **Lorena Thompson**, and **Howard White**.

## Ethics Hotlines

- Portsmouth Ethics Rep.  
**Wayne McLaughlin**  
(Ext. 2554)
- Portsmouth Waste, Fraud and Abuse  
24-hour Hot Line (Ext. 2401)
- Paducah Plant Manager's Hot Line (Bell-6789)
- Paducah Plant Ethics Officer (Bell-6472)
- Paducah Plant Fraud, Waste and Abuse Hot Line (Bell-6600)
- Energy Systems Hot Line (615-576-9000)
- Martin Marietta Corporation Hot Line (1-800-3-ETHICS)
- DOE Inspector General and Environmental Hot Line (1-800-541-1625)



## Most aggressive competitor

Perhaps the most significant challenger to the new United States Enrichment Corporation for worldwide market share of uranium enrichment services is Eurodif, a consortium including France, Italy, Spain and Belgium. Eurodif's gaseous diffusion plant in the French Rhone Valley at Tricastin, between Montelimar and Orange, has an annual capacity of 10.8 million SWUs. Four 930 MWe nuclear reactors adjacent to the enrichment plant provide power for its cascade compressor motors. Eurodif signed its first uranium enrichment services contract in April 1974 and its 18th by November 1975, began production in early 1979, and reached full capacity in 1982.

## MARTIN MARIETTA

Uranium Enrichment News

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### PUBLIC AFFAIRS

X-100 Building, WS 1132	C-100 Building
P.O. Box 628	P.O. Box 1410
Piketon, Ohio 45661	Paducah, Kentucky 42001
(614) 897-2457	(502) 441-6981

**Tim Matchett** ... Manager, Public Affairs, Portsmouth  
**Joe Walker** ..... Manager, Public Affairs, Paducah  
**Angie Dudit** ..... Editor, Portsmouth  
**Georgann Lookofsky** ..... Editor, Paducah  
**Kim McLean** ..... Design  
**Jim Morris** and **Joe Newsom** ..... Photography

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Published monthly for Utility Services employees such as **Nate Heady** of the Material and Services Department in the General Plant Services Division at Paducah.

# Promotions and appointments are announced



**Collins**

**Jay Collins** has been selected to manage the Chemical, Utilities and Power Division at Paducah, reporting to Howard Pulley and Steve Polston. He replaces Jim Massey who was named Energy Systems Environmental Restoration and Waste Management Programs Organization site manager.

In his new position, Collins is responsible for the operation and maintenance of the plant's electrical distribution and steam generation systems and the nitrogen, air, water and chemical systems.

In his 22 years at the plant, Collins has served in a number of important roles, including as Strategic Planning manager, Corrective Action and Self-Assessment Division manager and Fabrication and Maintenance Division manager.

He holds two master's degrees: first in welding engineering from Ohio State University; the second a master's of business administration degree from Murray State University. Collins is a member of Tau Beta Pi, an engineering honor society.

Collins is active in the community as well. He is a past president of the Paducah Night Lions Club; a member of the Board of Directors of the Markethouse Theater; served on the Paducah-McCracken County United Way Board of Directors for five years; and chairs the Board of Trustees for Broadway Methodist Church.

Collins and his wife, Pam, have three children, Cary, 22, Janey, 17, and Beth, 15. They live in Paducah.



**Casto**

**Steve Casto** is the Deputy Division Manager for General Plant Services at Portsmouth. He reports to Roger McDermott, Division Manager.

Casto came to the Portsmouth plant in March 1991 following his retirement from the U.S. Navy. During his 25-year career with the Navy, Casto acquired more than 15 years of experience in the performance of maintenance on nuclear and non-nuclear systems. He served as Nuclear Repair Officer at Pearl Harbor Naval Shipyard and as a Production Maintenance Assistant on board a naval repair ship.

Casto received numerous honors and awards during his naval career. His last Navy assignment was as Quality Assurance Officer at the east coast Trident Submarine Refit Facility where he was responsible for the development and implementation of the Quality Assurance Program for that facility.

Casto graduated from the DeVry Technical Institute at Kansas City in 1963 with an associate degree in electronics engineering technology.

A member of the American Society for Quality Control, he is an ASQC Certified Quality Auditor. He is also a member of the Retired Officers Association and the American Legion.

Casto and his wife, Carol, live in Chillicothe. He has two children, Nicholas and Jennifer.



**Williams**

**Jim Williams** has been promoted to Department Manager, Organic Analytical Services at Portsmouth. He reports to Wayne Spetnagel, Superintendent of ES&H Analytical Services.

Williams came to the Portsmouth plant in June 1991 as a Research and Development Associate in the same department. He has served as Acting Department Head since February 1993.

He graduated in 1976 with a bachelor of science in biology and chemistry from the University of Cincinnati. He earned a master of science in environmental chemistry from UC in 1990 while serving as a Teaching Assistant.

Williams is certified in Ohio as both a Class III Wastewater Treatment Operator and a Class II Water Treatment Operator.

Previously, he has held supervisory positions at Operations Consulting Service in Columbus; Nestle Foods, Inc., in Marysville; Burgess & Niple Limited, Engineers and Architects; and for the City of Delaware at its Wastewater Treatment Plant. He also served as a Certified Instructor for the Operator Training Committee of Ohio.

Williams was included in Marquis Who's Who in the World in 1993 and 1994, and in Marquis Who's Who in Science and Engineering in 1992 and 1993. He also appeared in the 1989 edition of Outstanding Young Men of America. He is an active member of the Water Environment Federation, the American Water Works Association, the Ohio Water Pollution Control Con-

ference and the American Chemical Society.

In addition, Williams is a semi-professional singer who has sung 11 seasons with Opera Columbus. He has also sung with the Cincinnati Opera, the Cantari Singers of Columbus, and the Vocal Arts Ensemble in Cincinnati. He serves periodically as a soloist with the Columbus Symphony Chorus as well, and he has also recorded with the Early Interval Music group, which records 16th and 17th classical music for "Music in Mid-Ohio," a program broadcasted on WOSU-FM. Currently, he is a tenor soloist for the Second Church of Christ Science in Columbus, and he recently co-founded the First Capitol Chamber Singers in Chillicothe, where he resides.



**Brooks**

**Toni A. Brooks** has been promoted to Department Manager, Environmental and Waste Management Technical Support at Portsmouth. She reports to Buck Sheward, Division Manager, Environmental and Waste Management.

tal and Waste Management.

Brooks originally came to the Portsmouth plant in January 1984 as an Engineer and served in that position until July 1985. She then went to work as an Engineer for the Bendix Division Allied-Signal Corporation in Kansas City, Miss. In 1988, she became a Senior Engineer for Honeywell Bull Incorporated in Brighton, Mass. In June 1989, she returned to Portsmouth as a Project Manager for Waste Management. In May 1991, she was promoted to Section Leader, Waste Management.

In 1983, Brooks received a bachelor of science in chemical engineering from Yale University.

She lives with her husband, Ronald, in Chillicothe. They have a daughter, Nicole.



**Potter**

**Pamela Potter** has been promoted to Department Manager, Waste Policy, at Portsmouth. She reports to Buck Sheward, Division Manager, Environmental and Waste Management.

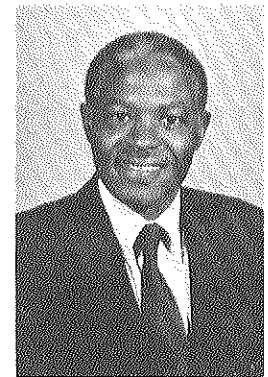
Potter originally came to the Portsmouth plant in May 1984 as an Engineer in Recycle and Assembly Technical Support and served in that position until July 1985. She returned to Portsmouth in November 1988 as an Environmental Engineer for Environmental Control. In December 1991, she was promoted to Compliance Section Supervisor.

From September 1986 to October 1988, she served as a Hazardous Waste Specialist for the Dynamac Corporation of Rockville, Md. In this capacity, she served as a consultant to Luke Air Force Base and Williams Air Force Base, both near Phoenix, Ariz.

In 1983, Potter received a bachelor's degree in chemical engineering from Youngstown State University. She is a member of the American Institute of Chemical Engineers. In 1992, she won an Operations and Support Award from Energy Systems for her work on the Part B Hazardous Waste Permit Application.

Potter's husband, Curt, works in the GPS Engineering and Technical Pro-

grams Department. They live in Chillicothe with their two daughters, Kayla and Deidre.



**Small**

**Joe Small** has been named Department Manager, Planning and Control at Portsmouth. He reports to Bob Barnett, Site Manager, Environmental Restoration Program.

Small transferred to the Ports-

mouth plant in June from Martin Marietta Electronic and Missile Systems in Orlando. He had served there as Chief of Program Finance for Orlando's Finance, Estimating and Cost Control Division since October 1981. In 1991, he received a Meritorious Achievement Award from Martin Marietta.

Small retired as a Major in the United States Air Force in October 1981 after nearly 21 years of service. During his military career, he was decorated with numerous awards including the Meritorious Service Medal and the Bronze Star.

Small graduated from St. Louis University in 1966 with a bachelor of science in meteorology. In 1971, he received a master of science in meteorology from Pennsylvania State University. In November 1984, he received a master in business administration degree in management from the Florida Institute of Technology in Melbourne.

Small lives in Waverly with his wife, Thenia. He is the father of two sons, Joseph Jr. and Carlton.

# Flooding affects power prices for Paducah

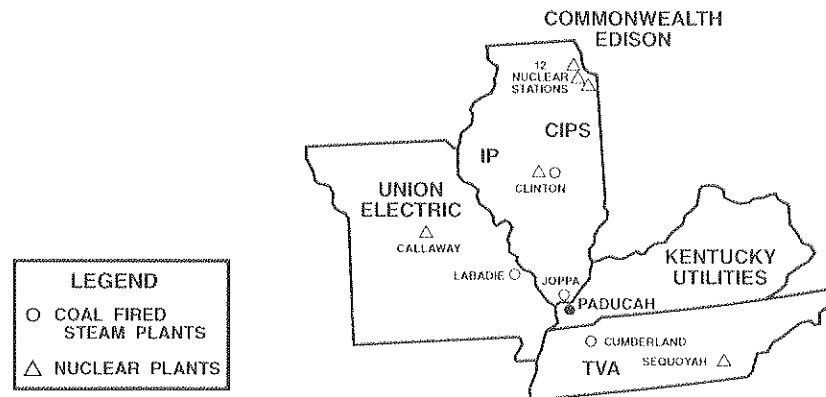
Mother Nature is wreaking havoc throughout the midwest this summer and few escape her notice. Though spared the floods that have caused so much destruction, the Paducah plant is still struggling under an economic burden imposed by the flood's effects and the summer's relentless heat and humidity.

Electricity, the plant's lifeblood, is in short supply now because flooding in the midwest has halted barge traffic, cutting off coal supplies to many of the region's power plants. The plants rely on inexpensive coal to fire steam boilers that turn turbines to generate electricity. Trains are also affected, because track is underwater in many places. Shortened supplies of coal have forced many of the plants to switch to gas-and oil-fired units and limit sales of electricity to only local customers.

Compounding the problem, the Tennessee Valley Authority, a major power supplier, has become a customer itself this summer because its Sequoyah nuclear reactors are shutdown. "TVA is buying power from everywhere," said Dave Sheehan, Paducah's power advisor. "They're competing with us and other buyers for whatever power is available for sale."

Power is usually more expensive in our area during the summer when temperatures go up, Sheehan explained. In the north, where most of the electricity we buy is generated, many homes and businesses are heated with gas or oil, but depend on electricity to power air conditioning units. Therefore, there is less of a demand for

## CURRENT NONFIRM POWER UTILITIES AND GENERATING STATIONS



This map shows Paducah's primary nonfirm power suppliers. Union Electric can't get coal to their plants because of the flooding in the region. They are running gas and oil fired units, and honoring only their firm power commitments. Central Illinois Public Service and Illinois Power face the same situation. TVA is experiencing problems with hydro generation and its Sequoyah nuclear units are off-line, leading them to cancel nonfirm power sales. Commonwealth Edison has less excess power to sell because hot weather is leading to peak demands from its customers.

power in the winter and a greater demand in the summer.

"Problems really hit around July 5," Sheehan said, "and there's been no letup." The plant used an average of 1300 megawatts (MW) of electricity to power the enrichment process earlier in the summer. By the end of the month, power use had dropped to less than half that level, 625 MW. To drop any further would require taking cells (the smallest functional unit in the process, consisting of electric motors, compressors and process piping) off-line, an expensive undertaking the plant

prefers to avoid. During the summer of 1990 the plant dropped to 500 MW. It hasn't been that low since. For perspective, the Paducah Power System recently set an all-time power demand record at 142.1 MW. Kentucky Utilities and TVA also recently set new system demand records.

At 625 MW the plant also loses the ability to bargain hunt for power during off-peak hours. The smaller-than-usual volume of uranium hexafluoride gas doesn't create enough pressure in the cascade to be easily forced into freezer-sublimers, the units that temporarily

hold product so that operators can drop the power load.

There simply isn't enough electricity to go around, and what is available is very expensive. In June, Paducah paid around \$16 per MW for non-firm power (the electricity we buy over and above what is guaranteed by local suppliers). Saturday, July 24, the plant paid \$25 per MW; Wednesday, July 28, \$44 per MW; and on July 19, the plant paid \$104 per MW for electricity. That day the plant paid about \$125,000 more than normal for the electricity required to operate.

Sheehan said Power Operations definitely feels the stress of trying to feed the plant's huge appetite for power. "We have to make a lot more changes.

We are buying more power now on an hourly basis." He explained that by law, power companies must maintain a set amount of power above their total demand. The power they have above that set amount can be sold, but, because their demand changes, and the total power available is small, the companies will not commit to long-term sales. That keeps the power advisor busy, looking for the best deal, hourly.

The plant continues to purchase its firm (guaranteed) power through Electric Energy Incorporated at Joppa, Ill. Recently that has been about 450 MW of electricity.

The power forecast for August called for more of the same. Problems with coal shipments were expected to continue, and August is typically one of the region's hottest months.

# Hot summer makes some jobs more difficult

The high temperatures have made some already hot plant jobs even tougher this summer, according to Clark Crowe, coordinator of Paducah's Heat Stress Program for the Industrial Hygiene (IH) Department.

"In some areas, the length of time a person can work is greatly reduced right now because of the heat," Crowe said. Both the Paducah and Portsmouth plants follow guidelines set by the American Conference of Governmental Industrial Hygienists. "For instance, people who might normally work for 45 minutes then rest for 15 minutes, may now be asked to work in the same areas for only 30 minutes of every hour, or in extreme cases for only 15 minutes at a time," Crowe explained.

Employees at both plants are encouraged to take breaks before the recommended work time ends if they feel it is necessary to prevent heat illness.

"The best person to pace yourself is you," said Roger Stephenson, Coordinator of Portsmouth's Heat Stress Program for IH.

The IH Department at Paducah helps supervisors determine when they need to make changes in their employees' work schedules. Department personnel gather the data necessary to make these determinations by conducting "Heat Stress Surveys." "What these do is sense the environment like the human body might," Crowe explained.

The surveys take into account the air temperatures, the radiant heat sources (the sun, hot pipes, etc.) present in the work area, and the metabolic work load, or how much heat is the employee generating to do the job. Based on findings from the survey, a decision is made as to whether or not employees will be exposed to an unacceptable level of heat stress according to the standards.

During the last few weeks at Portsmouth, IH has been placing heat stress

monitors in the field on Monday mornings and retrieving them on Friday evenings. The data collected from these monitors help IH personnel to know the temperatures during all shifts.

Results are provided to supervision along with health protection recommendations. In addition, IH personnel maintain written documentation of heat stress monitoring results for specific work areas.

If the heat stress level is judged to be too high, supervisors have a few options. They can bring in equipment such as

fans, insulated shielding or portable air conditioning units, or they may adjust work schedules as described above. As a last resort, Crowe said, supervisors may advise employees to wear protective clothing such as cool suits. Portsmouth employees also utilize air lines--cool air that is provided to their respirators--when they work in

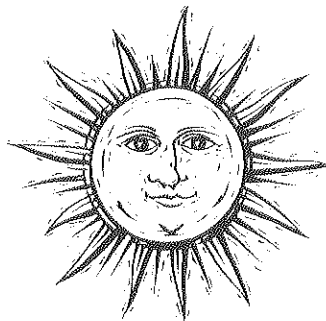
Very Hot Environments.

Paducah's IH Department issued a fact sheet and informational bulletin earlier this summer explaining how to avoid heat stress, how to identify it and how to respond to people suffering from heat stress. Department personnel are available to conduct heat surveys or advise on the safest way to complete tasks in hot places.

If Portsmouth employees find that their workplace is not routinely surveyed for heat stress hazards, plant IH personnel will perform workplace surveys by request. The information is distributed to appropriate supervision, filed, and maintained for future reference.

At Portsmouth, employees that are potentially exposed to heat stress in their jobs are required to undergo heat stress training every two years. In addition, they must have an annual medical examination. Paducah is currently revising P-ESH-24 "Control of Heat Stress" to include requirements

(Continued on page 10)



Join in the  
**Native American Celebration**  
at Portsmouth

Sept. 20-24

Displays in the X-102 Cafeteria  
all week long

Speaker: Roland Williston  
from Shawnee State University  
Wednesday, Sept. 22, 10 a.m.  
X-102 Cafeteria

Singers and Dancers  
Friday, Sept. 24, 10:15 a.m.  
Yard between the  
X-100 and the X-102

If you have any  
Native American Art, artifacts,  
paintings or literature  
you would like to display,  
call John Sisler  
at extension 4787.

No articles will be displayed  
that are collected  
from burial sites.



### Russians visit Portsmouth

A group of Russian technical experts (above) from the Ministry of Atomic Energy (MINATOM) visited the Portsmouth plant on June 22 and 23. Their visit was arranged as part of negotiations between the U.S. Department of Energy and the Russian Federation to purchase low enriched uranium (LEU). This LEU would be derived from the blending of highly enriched uranium (HEU) recovered from the dismantlement of nuclear weapons in the Russian defense stockpile. The delegation also visited the Westinghouse Fuel Fabrication Plant in Columbia, S.C., during their trip to the United States. In May, experts from the U.S., including Portsmouth HEU Program Manager Jack Crawford, toured the Russian uranium enrichment processing plant at Yekaterinburg as part of this process.

## Portsmouth honors science program

The Portsmouth plant's Technical Operations Division's Science Demonstration and Special Activities program has completed its 30th consecutive year. The Science Demonstration and Judging program for the 1992-1993 school year was the largest in the program's history.

This past year, employees took 69 trips to area schools. They gave 71 science demonstrations to 8,470 teachers and students, and they judged 21 science fairs.

On July 22, 92 employee participants of last year's program were recognized for their successes during an appreciation luncheon conducted at the X-102 cafeteria.

Bobby Fuhr (Organic Analytical Services Laboratory) served as Coordinator of last year's program. He said that several objectives were met during the year such as recruiting new people, making the demonstrations more uniform to present, and maintaining the diversity of the backgrounds of the people who were giving the demonstrations.

"The people are the strongest part of our program," Fuhr said. Participants in the program are listed below.

Alex Alatsis  
Jim Applegate  
Jim Armstrong

Debbie Ball  
Keith Banks  
Jerry Blankenship  
Eleanor Brackman  
Bob Bush

Lynn Calvert  
Sheila Cameron  
Amy Campbell  
Art Cardenas  
Melody Channell  
Dan Charles  
Ruth Charles  
Bob Clark  
LaDonna Coriell  
John Cormier  
Jack Crawford  
Rich Craycraft

Bonadean Davis  
Trace Davis  
Gene Deacon  
Steve Difrango  
Ralph Donnelly  
Rachael Doss  
Paula Downey  
Clyde Dulin

Sandy Fout  
Bob Fuhr

John Hamer  
Chuck Harley  
Jeff Hedges  
John Herricks  
John Hobensack  
Cathy Holbrook  
Robin Hughes  
Donna Husted  
Pat Hutchins

Kelly James  
Steve James  
Steve Johnson

Marty Kelley  
Harold Kneeland

Bill Lemmon  
Chuck Lux  
Bob Lykowski

Dave Manuta  
Charles Mayfield  
Roger McDermott  
Gerry McGuire  
Wayne McLaughlin  
Andrea McNeely

Kathy Nelson  
Mary Novotry

Kevin Pancake  
Rita Park  
Bob Penn  
Debbie Perez  
Sandy Pollard  
Joe Porter  
Steve Pullins

Don Ray  
Jack Richards  
Ralph Royce

Anthony Saraceno  
Donna Scaggs  
Buck Shewaker  
John Shoemaker  
Paul Stimpson  
Sonia Singh  
Kurt Sisler  
Nancy Smith  
Mary Stewart  
Rick Strange  
Bill Strunk

John Taphorn  
Dave Taylor  
Brad Teeters

Tina Vinings

Shirley Walter  
Pam Ward  
Randy Waugh  
Ron Wawro  
Michelle Webb  
Sid West  
Jane Wilbur  
Chris Wilson  
Dexter Wolfe

Chris Zuelle

# Exercise could bring cost savings

by John Christian

Six fire departments from Pike County joined together on July 17 to conduct a water shuttle exercise at the Scioto Township Volunteer Fire Department. The exercise could result in the reduction of fire insurance for county residents, according to the Insurance Services Office (ISO).

In order to upgrade the county's Fire Suppression Rating from a class 9 to a class 8, county fire departments must show they can pump 200 gallons of water per minute for two hours. Saturday's shuttle exercise involved transporting water from a nearby hydrant located at the Portsmouth Gaseous Diffusion Plant in Piketon, to a portable tank set up in Wakefield.

Tanker trucks from the six fire departments delivered the water to two folding portable canvass tanks. A Martin Marietta Utility Services, Inc. pumper truck then drafted the water from the pools and delivered the powerful spray. A special instrument was used to measure the flow of water from the pumper.

Fire departments from Benton Township, Martin Marietta Utility Services, Inc., Pebble Township, Piketon, Stockdale, and Waverly, participated in the exercise. Scioto Township trustees Steven Acord and Teddy Wheeler represented local government involvement and officiated the exercise.

Home and business fire insurance is calculated according to relative fire suppression capabilities and measuring relative public protection classified in the Fire Suppression Rating Schedule of the ISO.

The role of the ISO is to provide member insurance companies with a measurement tool for establishing fire insurance rates by assigning a grading criteria to a community's fire defenses and physical condition.

Saturday's exercise showed an improved fire defense and, according to the ISO, could lower homeowner's insurance rates.



Pike County and Portsmouth plant fire personnel jointly conducted a water shuttle exercise on July 17 in an effort to help reduce fire insurance for county residents.



The first round of Portsmouth mentees to complete the Mentorship Program are (kneeling) Ken McCall, Gerry Smith, Gary Hairston, Steve Neuman, Mark Conkel, (standing) Angie Strickland, Sandy Fout, Bonnie Rumble, Josie Blackmon, Elaine Litten, Lisa Morris, Melonie Valentine, Sally Cunningham, Lisa Parker, and Jeanette Langford with David Rupert, Energy Systems Mentoring Program Coordinator.

## Mentoring is valuable experience

You may have heard that the only way to really learn about something is to do it. There's some truth to that, especially in a setting like ours, where tasks can be highly specialized. A better, and more efficient way, though, is to learn from others.

That's the aim of the mentoring program underway at Paducah and Portsmouth. Barbara Burrage, Organizational Development Manager at Paducah, said the purpose of the program is to facilitate the transfer of knowledge, help people understand the culture, reduce turnover by helping people understand how they fit in, promote career development, groom future executives, develop diversified leaders and recognize people who are good at developing others.

"We're pleased to offer a program with so many opportunities and benefits," Burrage said.

To date, two groups have completed the six-month program at Paducah and a third will get started soon. On June 17, Portsmouth held a close-out session recognizing the completion of its first round of mentorship participants, and the second round was due to begin this month. Jeanette Langford, EEO/AA Program Manager, serves as Portsmouth's Mentoring Coordinator.

Results have been very positive. Regina Pea, a computer analyst in the Technical Operations Division at Paducah, selected Jere Bracey, from the Nuclear Materials Control and Accountability Department as her mentor. "I thought the program was great," Pea said. "It gave me a chance to meet people from other parts of the plant and to learn more about how the system works.

"We talked about my personal growth and development, how to get along with others and positive ways to advance in the company. Jere is one of the best people I could have had. He really provided leadership and seemed to care about me personally," Pea said.

Josie Blackmon, Deputy Division

Manager, Management Systems and Compliance at Portsmouth, met every Tuesday for lunch with her mentor, Chuck Harley, Division Manager, Technical Operations. "He helped me to understand my new role as Deputy Division Manager," she said. Harley added, "It was beneficial to sit down in a non-threatening environment and 'rap' a little about problems."

Steve Newman of Environmental Restoration at Portsmouth recently finished law school. Fittingly, his mentor, Dan Hanket of the plant's legal office, was a big help. "No one better than an attorney could have understood the stress associated with law school," Newman said. Hanket also explained legal issues in which the plant was involved.

For each session, employees who have expressed an interest in learning more about a particular kind of work or in taking advantage of someone else's experience are matched with mentors. During their mentorship, the students and mentors meet regularly. The mentors provide guidance and support that enhances their students' personal and professional development.

Participants are provided with training, such as "Managing Interpersonal Relations," and "The Seven Habits of Highly Effective Managers." Informational programs are also offered on subjects such as compensation, performance review and total quality management.

Relationships forged through mentoring often continue long past the six-month program. The skills gained can enhance performance, productivity and personal growth, leading to greater job satisfaction. The return for the company lies in the benefits it reaps from more effective employees.

For more information, or to find out how you can become involved in the Mentoring Program, call Barbara Burrage, Bell 6797, at Paducah, or Jeanette Langford, Ext. 4542, at Portsmouth.

## Martin wins Sandia contract

On July 26, the U.S. Department of Energy (DOE) announced its selection of Martin Marietta Corporation to manage the Sandia National Laboratories, headquartered in Albuquerque, N.M.

Martin Marietta will succeed AT&T as operating contractor on October 1, assuming management responsibility for the laboratories and their 8,700 employees at facilities in New Mexico, California, Nevada and Hawaii.

Under the terms of its contract with DOE, Martin Marietta was scheduled to begin a formal transition phase on August 1.

One of the federal government's premier research and development operations, Sandia has major responsibilities for national security programs in defense and energy. A significant additional mission is the transfer of relevant technologies to the private sector to enhance national competitiveness.

Martin Marietta will form a venture capital corporation to assist in the commercialization of these technologies. The new corporation, to be based at the University of New Mexico, will become

operational on October 1 with an initial investment of \$9.5 million from Martin Marietta and commitments of up to \$30 million from venture capital firms.

"We are negotiating with several other venture capital companies to increase the new subsidiary's resources," said A. Thomas Young, the president of the Martin Marietta Corporation. Young also will chair the board of directors for a wholly-owned subsidiary, the Sandia Corporation, which is being acquired from AT&T to manage and operate the laboratories.

Dr. Al Narath, a 34-year Sandia AT&T employee, will continue as President and Director of the laboratories. Dr. James A. Tegnalia, who led Martin Marietta's proposal effort and who formerly served as Deputy Director of the Defense Advanced Research Projects Agency, will be Executive Vice President and Deputy Laboratory Director.

Martin Marietta Corporation now has more than 90,000 employees with major facilities in 37 states and operations or offices in 17 other nations. Annual sales exceed \$10 billion.

## Family Leave Act takes effect

President Clinton signed into law the Family and Medical Leave Act of 1993 (the Act) on February 5, 1993. This law took effect on August 5, 1993, for salaried employees at Martin Marietta Energy Systems (MMES) and Martin Marietta Utility Services (MMUS). According to the Act, the effective date for employees covered under a collective bargaining agreement on August 5, 1993, is the earlier of the termination of the agreement or February 5, 1994.

In compliance with the Act, employees of MMES and MMUS are eligible for up to 12 weeks of unpaid, job-protected leave for certain family and medical reasons. At the employee's or employer's option, certain kinds of paid leave may be substituted for unpaid leave. Employees are eligible if they have worked for at least one year and at least 1,250 hours over the previous 12 months for MMES and MMUS.

Unpaid leave must be granted for any of the following reasons:

- Care for the employee's child after birth, placement for adoption or foster care.
- Care for the employee's spouse, son or daughter, or parent, who has a serious health condition; or
- For a serious health condition that makes the employee unable to perform the employee's job. The employee may be required to provide advance leave notice and medical certification. Taking of leave may be denied if requirements are not met.

- The employee ordinarily must provide 30 days advance notice when leave is "foreseeable."

- An employer may require medical certification to support a request for leave because of a serious health condition, and may require second or third opinions (at the employer's expense) and a fitness for duty report to return to work.

For the duration of the leave under the Act, the employer must maintain the employee's health coverage under any "group health plan." Upon return from leave, most employees must be restored to their original or equivalent positions with equivalent pay, benefits and other employment terms.

The Act makes it unlawful for any employer to interfere with, restrain, or deny the exercise of any right provided for in this law. Further, the Act makes it unlawful for any employer to discharge or discriminate against any person for opposing any practice made unlawful by the Act or for involvement in any proceeding under or relating to the Family Medical and Leave Act. The U.S. Department of Labor is authorized to investigate and resolve complaints of violations. In addition, an eligible employee may bring a civil action against an employer for violation.

A procedure is being written to guide employees and their supervisor in complying with the requirements of the Act. If you would like additional information, please contact your Site Benefit Plans Office.

# UE plants conduct successful blood drives

## Paducah

The Paducah Plant was recently honored by the American Red Cross for its support of the Blood Donor Program.

Steve Terren, assistant director of Donor Resources for the Red Cross

Donor Program in Nashville, visited the plant on June 24 and presented the "Lifesaver Cup" to Plant Manager Steve Polston. The plant blood drives provide 400 pints of blood each year for patients in this area, Terren said. This represents the largest company donation in the Program's 26-county service area.

"We're really pleased that the plant is part of our system," said Susan Whittington, senior consultant with the American Red Cross Blood Services Paducah Location. She said the Red Cross plans to continue to work closely with the plant to increase awareness of the ongoing need for blood and to recognize donors. "We have a goal of increasing donations by 10 percent across the plant," Whittington said.

Through the years, the plant has donated more than 200 gallons of blood which have gone to help almost 5,000 people.

Polston said that while he was pleased to accept the trophy, the recognition belongs with the many employees who support the blood drives. "The donors are the ones who deserve the credit for this," he said.

In keeping with that theme, the plant recognized 32 plant employees who have donated five or more gallons of blood to the Red Cross. Steve Lewis and Robert Wilkerson topped the list with 10-gallon donations. Lewis said he had been giving blood since he was 18 years old because he feels it is "the right thing to do." "I'd recommend that others give blood if they can because it makes you feel good about yourself," Lewis said.

Other donors recognized include: **five gallons**, Mikey T. Spiceland, Clay E. Suggs, Gary W. Batts, Bobby D. Egner, Carolyn D. Mayo, Sammy J. Abernathy, Charles R. Baker, Ricky C. Allcock, Roger D. Dew, J.B. Howard, James H. Chestnut, Ralph B. Fite,



Tommy Thompson of Paducah's Plant Support, Engineering and Technical Support Department, registers with Red Cross volunteers for the June blood drive.

Daniel P. Jackson, Bobby G. Litchenberg, Ronald E. Travis and Thomas W. Vaughn; **six-gallon donors**, Billy N. Adams, Joe D. Blagg, Marc E. Spann, Mark T. Wood and Harold L. Coleman; **seven gallons**, Larry W. Heavrin, Gary T. Nance, Thomas P. Thompson, Jesse R. Glisson, Edward J. Bazzell, James W. Brown and Johnny M. McGuire; **eight-gallon donors**, Richard H. Mitchell and Kelly D. Stratemeyer; **nine-gallon donor**, Joe W. Gorline; and **ten gallons or more**, Steve R. Lewis and Robert M. Wilkerson.

"Blood is something that doesn't seem very important until you need it yourself or for someone in your family," Polston said. "I came to realize that recently when my father needed a transfusion. I'm personally grateful to all of you who donate blood. I hope you continue to donate and enlist others to donate as well," Polston said.

The Lifesaver Cup will become a traveling trophy, residing with the plant division with the highest percentage of

blood donors as determined after each blood drive.

## Portsmouth

Portsmouth has now been recognized on three occasions by Tri-State Region, American Red Cross Blood Services, for outstanding participation in its Bloodmobile campaigns. Plant personnel who have donated more than five gallons now total 63. Five have exceeded the 12-gallon level.

Nearly 200 units were donated during the July 19, 20 and 21 visit of the Bloodmobile to Portsmouth. There were 185 successful units collected. Curtis Chapman, Rebecca Click, Elisabeth Gilbert, Debra Jones, Brenda Ross and Shirley Workman were **first-time donors**. John Kyle and Douglas McCann received their **one-gallon pins**; Gary Plante received his **two-gallon pin** and Sharon Bailey received her **four-gallon pin**.

Rick Arthur, of the Tri-State Blood Services, said the donations will affect nearly 5,000 area hospital patients.



## Red, White and Blue Day

Howard Richard recites "I am the Spirit of America" as Uncle Sam for Red, White and Blue Day at Portsmouth on June 30. A history teacher at South Webster High School, Richard is the father of Angie Duduit (Public Affairs). Also as part of the celebration, which was sponsored by the Values Council, members of the Police Department raised the United States flag as Sydney West (Management Information Systems) sang the Star Spangled Banner over the plant public address system. He was followed by Ken McCall (ERWM) who led employees in the Pledge of Allegiance. The Values Council also distributed flag pins to plant employees and encouraged decorating office areas for the celebration.

# Supervisory certification is continuing

The Organizational Development (O.D.) Supervisor Certification Group at Paducah is continuing front-line supervisory certification. To date, 97 supervisors have been certified and an additional 127 are proceeding through the five-phased process. The certified supervisors are completing a self-assessment and will begin the re-evaluation phase soon.

A post-certification survey was distributed to all certified supervisors and the results have been tabulated.

- 76 percent of supervisors have experienced increased management support.
- 97 percent said they now felt comfortable with asking their managers for help.
- 88 percent feel certification is beneficial.

Overall, participation in the certification program has helped open the

lines of communication between the supervisor and management. Several of the certified supervisors had positive comments: "I now feel I am a part of the management team." "...I understand now what conduct of operations means to me in my daily activities." "...I see how important feedback is, without it we have no direction." "...Certification is like castor oil--getting it down is a little difficult, but the results are great!" "...I think this (certification) is a good thing--just don't stop now!" The O.D. team doesn't intend to stop. Skills development sessions are being offered for division and mid-level managers in support of certification and continuing development courses will be offered for front-line supervisors and their groups on a quarterly basis.

In June, the Certification Group joined Organizational Development, headed by Barbara Burrage. The train-

ing program was originally organized under the Conduct of Operations/Facilities Program. The goal of the program is to assess and improve as necessary the supervisory skills and understanding of the principles of Conduct of Operations and Maintenance in certification candidates. It provides for continuing professional development and assessment through performance planning and review. Plans call for all front-line supervisors to participate in the program.

Organizational Development will continue in the design and development of organizational structure processes and procedures which promote individual, work team, and organizational performance excellence.

In addition to Burrage, the Certification Group includes Sharman Booker, Joe Hyde and Sandy Walker. Together they follow and coordinate all certifica-

tion activities for the plant. For more information, call Bell 6151 or 6923.

Joe Porter coordinates the supervisor certification program at Portsmouth. Core training began last fall for approximately 175 supervisors with observation skills training beginning in May. Several supervisors are now preparing to take their oral board exams, the final step of the program. For more information about Portsmouth's program, contact Porter at extension 2445.

## Values Highlight

The Values Council would like to thank Portsmouth employees for donating approximately \$700 recently for flood relief in the Midwest. The money was given to the Salvation Army to assist in that effort.

Join in the  
**Native American Celebration**  
at Portsmouth

Sept. 20-24

Displays in the X-102 Cafeteria  
all week long

Speaker: Roland Williston  
from Shawnee State University  
Wednesday, Sept. 22, 10 a.m.  
X-102 Cafeteria

Singers and Dancers  
Friday, Sept. 24, 10:15 a.m.  
Yard between the  
X-100 and the X-102

If you have any  
Native American Art, artifacts,  
paintings or literature  
you would like to display,  
call John Sisler  
at extension 4787.

No articles will be displayed  
that are collected  
from burial sites.



### Russians visit Portsmouth

A group of Russian technical experts (above) from the Ministry of Atomic Energy (MINATOM) visited the Portsmouth plant on June 22 and 23. Their visit was arranged as part of negotiations between the U.S. Department of Energy and the Russian Federation to purchase low enriched uranium (LEU). This LEU would be derived from the blending of highly enriched uranium (HEU) recovered from the dismantlement of nuclear weapons in the Russian defense stockpile. The delegation also visited the Westinghouse Fuel Fabrication Plant in Columbia, S.C., during their trip to the United States. In May, experts from the U.S., including Portsmouth HEU Program Manager Jack Crawford, toured the Russian uranium enrichment processing plant at Yekaterinburg as part of this process.

## Portsmouth honors science program

The Portsmouth plant's Technical Operations Division's Science Demonstration and Special Activities program has completed its 30th consecutive year. The Science Demonstration and Judging program for the 1992-1993 school year was the largest in the program's history.

This past year, employees took 69 trips to area schools. They gave 71 science demonstrations to 8,470 teachers and students, and they judged 21 science fairs.

On July 22, 92 employee participants of last year's program were recognized for their successes during an appreciation luncheon conducted at the X-102 cafeteria.

Bobby Fuhr (Organic Analytical Services Laboratory) served as Coordinator of last year's program. He said that several objectives were met during the year such as recruiting new people, making the demonstrations more uniform to present, and maintaining the diversity of the backgrounds of the people who were giving the demonstrations.

"The people are the strongest part of our program," Fuhr said. Participants in the program are listed below.

Alex Alatsis  
Jim Applegate  
Jim Armstrong

Debbie Ball  
Keith Banks  
Jerry Blankenship  
Eleanor Brackman  
Bob Bush

Lynn Calvert  
Shelia Cameron  
Amy Campbell  
Art Cardenas  
Melody Cannell  
Dan Charles  
Ruth Charles  
Bob Clark  
LaDonna Coriell  
John Cormier  
Jack Crawford  
Rich Craycraft

Bonadean Davis  
Trace Davis  
Gene Deacon  
Steve Difrango  
Ralph Donnelly  
Rachael Doss  
Paula Downey  
Clyde Dulin

Sandy Fout  
Bob Fuhr

John Hamer  
Chuck Harley  
Jeff Hedges  
John Henricks  
John Hobensack  
Cathy Holbrook  
Robtn Hughes  
Donna Husted  
Pat Hutchins

Kelly James  
Steve James  
Steve Johnson

Marty Kelley  
Harold Kneeland

Bill Lemmon  
Chuck Lux  
Bob Lykowski

Dave Manuta  
Charles Mayfield  
Roger McDermott  
Gerry McGuire  
Wayne McLaughlin  
Andrea McNeely

Kathy Nelson  
Mary Novotry

Kevin Pancake  
Rita Park  
Bob Penn  
Deby Perez  
Sandy Pollard  
Joe Porter  
Steve Pullins

Don Ray  
Jack Richards  
Ralph Royce

Anthony Saraceno  
Donna Scaggs  
Buck Sheward  
John Shoemaker  
Paul Simpson  
Sonia Singh  
Kurt Sisler  
Nancy Smith  
Mary Stewart  
Rick Strange  
Bill Strunk

John Taphorn  
Dave Taylor  
Brad Teeters

Tina Vinings

Shirley Walter  
Pam Ward  
Randy Waugh  
Ron Wawro  
Michelle Webb  
Sid West  
Jane Wilbur  
Chris Wilson  
Dexter Wolfe

Chris Zuelle

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by John Christian

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## Administrative Promotions

### Paducah

Velva Blayney has been promoted to Administrative Associate in the Organizational Development Program. She reports to Barbara Burrage, Organizational Development Manager.

Bob Carson has been promoted to Manager of the Environmental Compliance Department. He reports to Steve Shell, Environmental and Waste Management Division Manager.

Randy Cothron has been promoted to Manager of the Material Services Department. He reports to Dave Sampson, General Plant Services Division Manager.

Kelly Layne has been promoted to Technical Associate in the Spectroscopy Section of the Analytical Laboratory Department. She reports to Steve Morgan, Section Head.

J.E. "Shep" Sheppard has been promoted to Radiation Calibration Supervisor in the Electrical/Instrument Shop. He reports to Dale Miles, Department Manager.

Cathy Tidwell has been promoted to

Buyer in the Purchasing Department. She reports to Barry Chapman, Department Manager.

Mike Zeiss has been promoted to Custodial Supervisor in the Facility Services Department. Zeiss reports to Weldon Stokes, Department Manager.

### Portsmouth

Jack Scott has been promoted to Supervisor, GCEP Maintenance. He reports to Ken Tschappat, Department Manager, Mechanical Field.

Charles J. Tronccone has been promoted to Supervisor, Materials. He reports to Tom Robertson, Department Manager, Materials and Service.

Theresa L. Wright has been promoted to Supervisor, Administration (CUP Division Services). She reports to Jeff Hedges, Division Manager, Chemical Utilities and Power Operations.

Gregory E. Fout has been promoted to Supervisor, Environmental and Waste Management (Support Services). He reports to Angie Strickland, Department Manager.



Blayney



Carson



Cothron



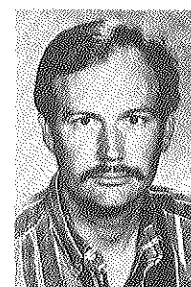
Layne



Sheppard



Tidwell



Zeiss



Scott



Tronccone



Wright



Fout

## New Employees

### Paducah

June 21

Robert William Hansen, Health Physics.

LeAnne Kilby, Engineer, ERWM.

Bruce Wayne Ward, Electrical Shop.

June 28

Denis Lee Anderson, Electrical Shop.

### Portsmouth

July 26

Richard W. Gill, Squadron and Co-ops.

## Retirees

### Paducah

Paducah retirees meet for dinner the third Thursday of every month at 5 p.m. at the Ponderosa restaurant next to Kentucky Oaks Mall. All PGDP retirees are welcome. Upcoming events for retirees include a picnic in September and a group vacation later in the Fall. Call John Hornsby, 502/442-1752, for more information.

### Portsmouth

Lowell G. Oney, Chillicothe, after 18 years of service. He most recently served as a Janitor in the Custodial Department.

Portsmouth retirees meet for a luncheon every third Thursday of the month at the Ramada Inn in Portsmouth. Various personnel from plantsite serve as guest speakers, and a newsletter is distributed.



Oney

## New Arrivals

### Paducah

Daughter, Linsey, July 11, to Dennis and Kellie Quigley. Dennis works in Cascade Operations.

### Portsmouth

Son, Benjamin Alexander, July 1, to Russell and Cheri Foster. Russell works in Management Information Systems.

Son, Jonah Andrew, June 27, to Daron and Tina Keesee. Daron works in the Police Department.

Son, Tyler James, July 6, to Donald and Lois Sanford. Donald works in the Instrument Shops Department.

Son, Blake Benjamin, July 14, to Rusty and Robyn Yates. Rusty works in Payroll Services.

Son, Eric Daniel, August 1, to Danny and Reeca Ball. Reeca works in the Medical Department.

## Obituaries

Arthur T. Freeman, 65, Paducah, died June 29. Freeman worked at Paducah for 40 years before retiring on Long Term Disability in 1992. He was a Staff Engineer. His wife, Janie, works in the Engineering Department.

Kenneth P. Hatfield, 71, Chillicothe, July 6. Hatfield was a Carpenter when he retired in February 1985 after more than 30 years of service at Portsmouth. Survivors include his wife, Bette.

Paul R. McGee, 72, Paducah, died July 2. McGee worked at Paducah for 28 years before taking early retirement in 1980. He was a Supervisor in Chemical Operations.

## Service Milestones

### September 1993

#### Paducah

- 25 years -- Kenneth Earl Sigers and Frank Arnett.
- 20 years -- Dean Peyton, Larry Craig Bradford, David Graham, Billy Vaughan, Gerald Box, Roger Fields, Jimmy Jones, Norma Weatherford, Bobby Deon West and Mark Wood.
- 15 years -- Judy Howe and Al Sevi.
- 10 years -- Joan Hutchins, Gerald Wells and Becky Nicol.
- 5 years -- Robert Cantrell, Mitzi Guhy (ERWM), Brian Burd, Suzanne Shidal (ERWM), Shaun Crane, David Ellis, Tammy Elrod, Alan Cherry, Kevin Yarbrough, Steve Tucker and Stan Brown.

#### Portsmouth

- 40 years -- Arturo L. Cardenas, Kenneth F. Vulgamore and John G. Crawford.
- 25 years -- Kenneth M. Tomko.
- 20 years -- Leslie T. Skaggs, Ray E. Jordan, Dallas L. Ratcliff, Kenneth F. Newton Jr., Kenneth R. Strickland, Juliana A. Thompson and Harold D. Ghearing.
- 15 years -- Barbara J. Baker, Donna L. Crabtree, Donald R. Stone, Anthony L. Wooten, Charles T. Cablish II, Betty L. Pertuset and Stanley A. Jones.
- 10 years -- Donald P. Vicars.
- 5 years -- Dale R. Bauer, Becky J. Stepp, Robert B. Colley, Donna K. Scaggs, LaDonna C. Coriell, Mark S. Aliff and Thomas L. Clevenger.

## Martin announces stock split

On July 22, Martin Marietta's board of directors declared a two-for-one split of the Corporation's common stock, along with a 7.1 percent increase in the stock's dividend rate. Both actions will be effective in the third quarter 1993.

The split will be in the form of a stock dividend and stockholders of record on September 1 will receive one additional share for each share of Martin Marietta Corporation common stock held. The new shares will be issued on September 30.

September 1 also will be the record date for the third-quarter cash dividend of \$.45, or \$1.80 annually, on pre-split shares. This quarterly dividend, payable on September 30, represents an increase from \$.42 per share on a pre-split basis. On an annualized basis, the new dividend rate on post-split shares would be \$.90.

"These actions are a direct result of our confidence in the people who make up the 'new Martin Marietta' to produce strong, sustained performance. For our shareholders, 1993 will mark the 39th consecutive year in which our Corporation has paid a dividend, and the 22nd consecutive year that our annual dividend payments have increased," said Norman R. Augustine, Chairman and Chief Executive Officer of Martin Marietta.

### Savings Plan Values

July unit values for Personal Savings and 401(k) accounts were:

Martin Marietta Stock Fund - 47.6128  
(up 1.4180 for the month)

Fixed Income Fund - 62.0595 (up 0.4052 for the month)  
Equity Investment Fund - 68.5031 (up 2.0708 for the month)

## Recreation Corner

### PADUCAH Fishing Contest

On **June 30**, three divisions of the annual fishing contest were completed. The following winners have been named: In the crappie category, first place went to Dale Beach, with 2 pounds, 12 ounces; second place went to Elvis Courtney with 2 pounds, 7 ounces; and third went to Doc Holladay with 2 pounds, 1 ounce.

In the black bass category, first place went to Doc Holladay with 6 pounds, 10 ounces; second place went to Larry Konkright with 6 pounds, 8 ounces; and third went to C. W. Cope with 6 pounds.

In the bream category, Danna Myrick, wife of Larry Myrick, took first place with 12 ounces/10 inches; second place went to Larry Myrick with 12 ounces/9.5 inches; and third place went to Paul Cathcart with 8 ounces.

Several other divisions continue through **September 30**. They include catfish, white bass, rock/stripe bass, crappie, black bass and bream and rough fish (gar, carp, suckers, grennel, buffalo and spoonbill). The contest is open to any current Martin Marietta employee, members of their immediate family (spouse or child), plant retirees and spouses of retirees.

Fish must be caught on a rod or cane pole (rough fish may be caught by bow and arrow or line), in a body of water within a 100-mile radius of the Paducah plant. No snagging is permitted. Weight determines the placement. In the event of a tie, the length and then the girth of the fish will be used to determine the winner. A contestant may place only once in each category. Entry forms must be completed properly. Fish must be weighed, measured and witnessed by the attendant at any bait shop or marina. The entry form must be in the contestant's

possession when the fish is weighed/measured.

Forms are available in the Recreation Office, C-743-T-II, in all control rooms, at Plant Stores, and from Fishing Committee members. Members include Fred Cathcart, Mike Turner, Doc Holladay, Steve Clement, Mark Emery, Doug Harrall, C. W. Cope and Bobby Farthing. Completed forms may be turned in to the Recreation Office, C-743-T-II, or to a Committee member.

### PORTSMOUTH Employee Activities Committee

The 1993 **GOLF TOURNAMENT** will be conducted on **Saturday, Sept. 11**, at Shawnee State Golf Course. All employees and retirees as well as their spouses are eligible to participate. Green fees and most other costs will be taken care of by the EAC.

### Atomic Employees Men's Bowling League

Preparations are underway to reorganize the **ATOMIC EMPLOYEES MEN'S BOWLING LEAGUE** at Portsmouth. The League consists of six five-man teams, although six men are permitted on each team roster. The League bowls **Thursday evenings at 6:00 p.m.**, at Sunset Lanes, with the starting date set for **September 8**. The League bowls a 30-week season made up of two 15-week halves. The winners of each half will meet in a final roll-off to determine the League champion.

All MMUS and MMES employees, retirees, spouses, or members of their immediate families are eligible to participate. Those interested in bowling as either a regular or a substitute should contact Dan Gash, League Secretary, X-112, MS 5360, extension 6478, by **August 31**. Come out and enjoy the fun this season!



## GET IN A SOUTHERN GROOVE!

The 1993 **EMPLOYEE OUTING** for MMUS and MMES employees at Portsmouth is scheduled for **Saturday, Sept. 18**, at Wyandot Lake located next to the Columbus Zoo. On that day, the park will be open **ONLY** to employees, retirees,

their families and guests. There will be **NO** general admission or other groups visiting the park on that date.

Normal admission to this recently revamped park is \$12.95, but you can purchase your ticket in **ADVANCE** for only \$5. Children 3 and under are free. After Sept. 15, however, tickets will cost \$8. Tickets go on sale Sept. 1 daily at both cafeterias between 11 a.m. and noon and at all four Credit Union locations during regular business hours. There is **NO LIMIT** on the number of tickets you can buy, but the special bargain rate is only available when tickets are purchased in **ADVANCE**.

From water slides to rides, Wyandot Lake offers a combined total of 50 entertaining attractions, including the million-gallon Wild Tide wave pool, the 850-foot Canoochee Creek action river, 13 wet slides, eight adult rides and 10 kiddie rides.

You are welcome to bring a picnic basket, but no glass containers are allowed inside the park. Grilled sandwiches will also be available at special reduced prices.

Free bingo will take place from 1 p.m. to 2:30 p.m. for employees and retirees. "Retirees Corner" is also available. The Grand Prize Drawing is at 3 p.m. You must be present to win.

The Employee Activities Committee (EAC) is sponsoring this event. If you need additional information, contact any EAC member, or call John Gedeon, EAC Coordinator, at extension 3878.



Captain Norman (Ernie) Williams of Decontamination Services, a Portsmouth employee, is presented the Officer-of-the-Year award by Sgt. Gary Crabtree of the Waverly Police Department.

## Williams serves Waverly area

In 1984, Norman (Ernie) Williams (Decontamination Services) joined the Waverly Police Auxiliary because he wanted to "get involved in the community," he said. Now, nine years later, he still enjoys being a member. At the annual election of officers meeting and dinner in February, he was elected Officer of the Year by his fellow officers in the auxiliary for the second time since 1990.

Williams, who has been a Chemical Operator at the plant since October 1970, has served as Captain of the auxiliary since he was first elected to the position in 1986. In this capacity, he is directly responsible to Waverly's Chief of Police for the 22 officers in the auxiliary.

The auxiliary provides direct support to the regular police department by helping when needed. Members have no fixed schedule, and service is voluntary. They routinely provide security at ball

games, parades, and other community functions. But they are also available when emergencies arise--such as the April prison riot at the Southern Ohio Correctional Facility. Most of Waverly's regular officers were sent to the prison along with almost half of the auxiliary force. Ernie stayed behind to take care of Waverly along with one other auxiliary officer and one regular officer.

No training is mandatory to be an auxiliary officer, but in order to carry a weapon and have arrest authority, officers must complete the Ohio Peace Officers Training Program, which involves almost 600 hours of training. Only Ernie and four other auxiliary officers currently have this training.

Ernie stays busy with his role as auxiliary captain in addition to his job at the plant. He lives in Waverly and is the father of three children.

## Cleanup scheduled

The Western Kentucky/Tennessee Waterways Cleanup is set for Saturday, September 11, and the Paducah Plant is helping out.

Our team will join the Land Between the Lakes Association and a number of other businesses, agencies and individuals to clear trash and debris from shorelines in the Kentucky Lake area. Brian Bowers, ERWM, is coordinating the cleanup team for the second year. He said he encourages everyone at Paducah to "pitch in" and help make this event a success. "This is a great way to help improve our community and the environment," Bowers said.

Martin Marietta is co-sponsoring the 1993 Shoreline Cleanup. If you'd like to get involved, call Bowers at Bell 6702, or Debbie Wattier, at Bell 6051, for more information. Also, watch InsideP for more details on the cleanup.



### Dressed for the occasion

Members of the Plant Manager's staff at Paducah celebrated the transition to USEC on July 1 by donning t-shirts that displayed the names of Martin Marietta Utility Services, Inc., and the United States Enrichment Corporation. Shown are Sonya Hosick, Deputy Plant Manager Howard Pulley, Shirley Bentley and Plant Manager Steve Polston.

## Communication made easier

If you are deaf, hard-of-hearing or speech-impaired, you have probably been frustrated at one time or another over the inability to telephone a friend, family member, or business associate who can hear. Once the Teletypewriter and Telecommunication Device for the Deaf (TTY/TDD) came into existence, you could at least telephone other people who owned such a device. But now, if you have a TTY/TDD, you can call people who do not own one.

The Ohio Relay Service has now been in place for the past few months. This service enables Ohio residents who are deaf, hard-of-hearing or speech-impaired to make such phone calls. It allows for communication with anyone, anytime, anywhere in Ohio, 24 hours a day, 7 days a week, including holidays.

This service not only benefits those with hearing or speech problems. It also assists those without hearing or speech problems who need to communicate with them--they can now place calls to them as long as the person with the hearing or speech problem owns a TTY/TDD. The service is free except for long-distance charges, which are discounted. There are no limits to the length or number of calls.

The toll-free number for the Ohio Relay Service is 1-800-750-0750. All relayed calls are held in strict confidence and are not changed in any way. Operators even use parentheses to inject information when callers express emotion, and if there are interruptions or significant background noises.

If you have any questions about the Ohio Relay Service, please contact Area Manager Mary Karahuta at (800) 325-2223 (TTY/Voice).

## New department is organized

In support of the efforts to prepare for future regulatory environment, a Configuration Management Department has been established in Portsmouth's Technical Operations Division. Harold Kunkle, Department Manager of Electrical, Instrument and Computer Engineering, will manage this effort in addition to his current duties.

The role of this department is to provide policy direction, technical support and oversight to the implementation of configuration management to selected systems, structures and components for uranium enrichment.

While this effort is centered at Portsmouth, participation from and coordi-

nation with Paducah's Technical Operations Division will assure the end product is applicable to both sites. Royce English serves as the Configuration Management Program Manager at Paducah, while Dick Veazey serves as Division Manager of Technical Operations. Chuck Harley serves as Division Manager of Technical Operations at Portsmouth.

The initial Portsmouth staffing includes Walt Arnold, George Copen, Paul Davis, Ron Dorning and Dewey Godfrey. Additional personnel from both plants will be asked to contribute and participate as needed.

## Heat Stress

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for heat stress training and medical evaluations for hot environment workers, similar to the ones at Portsmouth.

At Portsmouth, the following employees are included in the heat stress program:

- Employees who wear company-issued coveralls while:
  - working in areas with significant sources of heat.
  - working outdoors on hot summer days (greater than 85 degrees Fahrenheit).
  - working in poorly ventilated, un-airconditioned buildings on hot summer days.
  - performing heavy, exhaustive work in areas that are above room temperature (70 degrees Fahrenheit).
- Employees who wear anti-contamination protective clothing or equipment or heavier attire while working in un-airconditioned buildings on hot summer days.
- Employees who wear impermeable coveralls while working in areas that are above room temperature (70 degrees Fahrenheit).
- Employees who undergo strenuous training exercises required for Special Response Team members.

As the "Dog Days" of August follow the record-setting heat of July, the threat posed by the heat continues. It's important to take the right steps to protect ourselves, at work and at home. At Paducah, call Industrial Hygiene, Bell 6133, for more information. At Portsmouth, call Roger Stephenson at Ext. 4095, or refer to Standard Practice Procedure H-26, "Health Protection in Hot Environments," for further information.

## TCE

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as excess property. Originally bought as part of Portsmouth's centrifuge enrichment project, the degreaser was brand new. The only cost involved was for shipment. This machine will be used to degrease parts contaminated with radioactive particles. The Branson degreaser has a holding tank where small parts may be immersed. It uses the same water-based cleaning solution as the Lewis degreaser and has ultrasonic cleaning capability. Larger items may be placed on a specially designed platform next to the degreaser and cleaned with a spray wand. The cleaning solution is collected in the bottom of the platform and recirculated through the degreaser.

The unit's filtration systems that remove suspended solids and oil may also collect radioactivity. Whinnery said the project includes plans for safe management of these wastes. Used solution would also be classified as mixed waste and would require special treatment. Chemical Operations would expect to barrel and store four to five drums of waste from these two degreasers every two years.

Sale of the TCE stored on site now will be coordinated by the Waste Management Department. The old degreasers will be cleaned to meet Resource Conservation and Recovery Act (RCRA) standards then closed for eventual decommissioning and decontamination.

Paducah's move to water-based degreasing systems is reflective of an overall trend for companies today, Whinnery said.

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