

Energy Systems at Portsmouth

A Monthly Newspaper for Portsmouth Gaseous Diffusion Plant Employees of Martin Marietta Energy Systems, Inc.

Volume 6

Piketon, Ohio

April-May 1991

Number 4

Pike County one of three choices for AVLIS site

The U. S. Department of Energy (DOE) announced three proposed sites April 10 for the location of an Atomic Vapor Laser Isotope Separation (AVLIS) production plant.

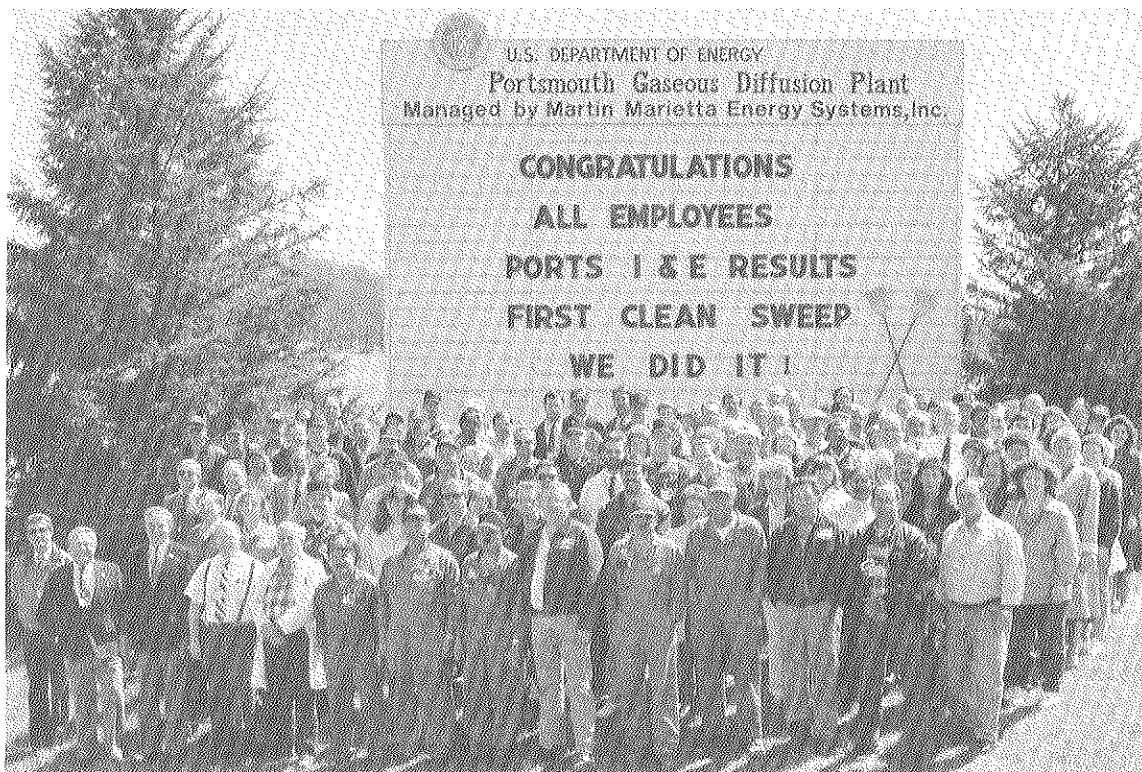
AVLIS is a new technology being developed to enrich uranium for use as a fuel in nuclear power plants at a competitive cost.

The proposed sites are located at the Department of Energy's (DOE) existing gaseous diffusion plants near Oak Ridge, Tennessee; Paducah, Kentucky; and Portsmouth, Ohio.

DOE believes these three sites appear to offer significant advantages in terms of capital and production costs, ease of implementation and site mission compatibility. The sites also possess an experienced labor force, as well as institutional and managerial capabilities in handling and storing uranium materials.

The administration's FY 1992 budget request submitted to Congress in February 1991 did not include funding for AVLIS pre-deployment activities in FY 1992. However, DOE has decided to proceed with site characterization and feasibility studies of the three proposed sites and conduct as much work during FY 1991 as could be productively used later.

These sites, along with other reasonable alternatives, would be analyzed in any future Environmental Impact Statement the Department may prepare prior to the selection of a site for the construction of a proposed AVLIS production plant.



Employees and management gathered at the administration area message board to celebrate the results of the recent U.S. Department of Energy plant inspection and evaluation (I&E) of safeguards and security. The plant received satisfactory ratings in all major review areas. The high overall rating was a significant first for a facility subject to the comprehensive I&E review process.

All safeguards ratings satisfactory

A recent U. S. Department of Energy inspection and evaluation (I&E) of safeguards and security measures at its Portsmouth Gaseous Diffusion Plant resulted in satisfactory ratings in all major review areas.

The high overall rating was a significant first for a facility subject to the comprehensive I&E review process.

All major DOE facilities across the United States are subject to periodic comprehensive inspections and evaluations by the DOE Office of Security Evaluations (OSE). The results of these evaluations are

forwarded directly to the Secretary of Energy and various oversight committees of the U. S. Congress.

Ratings can be satisfactory, marginal or unsatisfactory.

The sweep of satisfactory ratings was announced March 29 by the OSE inspection team chief, Martin Strones, during a close-out review with plant management and DOE officials.

During the March 18-29 inspection, the team evaluated protective forces, computer security, control of classified documents and materials, personnel security, nuclear materials control and accountability, and physical security systems.

The team inventoried hundreds of classified holdings, training records and containers of special nuclear materials; performed field evaluations of employee performance during routine assignments and emergency response; and tested all plant alarm systems. No major deficiencies were cited in any area.

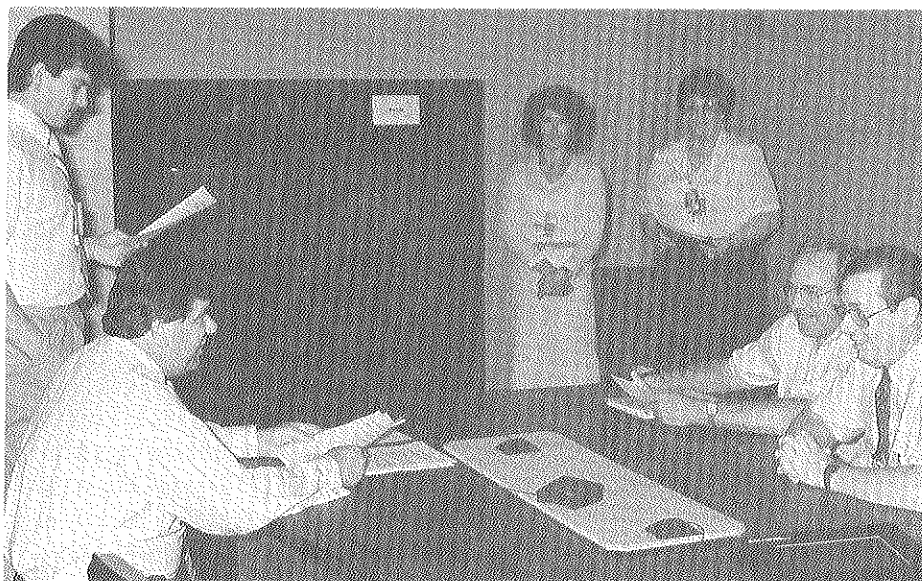
The team commended plant management for its extensive self-assessment program, performance-based training, plans and procedures, and protection of DOE resources.

DOE/OSE Director Glenn Podonsky said, "DOE is convinced that employees at the Portsmouth plant are knowledgeable of duties and are protecting its resources in a professional and responsible manner."

Plant Manager Ralph Donnelly, wearing a small broom on his lapel to symbolize a "clean sweep" of the evaluation areas, brought this message to more than 300 people at a reception in the cafeteria April 8.

"I'm delighted with the results," said Donnelly.

The results had been announced to plant management and DOE officials during a March 29 close-out review by the DOE's Office of Safeguards and Evaluation (OSE) inspection team chief, Martin Strones. The April 8 reception featured a video presentation of the close-out review.



Video conferencing on line — See page 4

GRADUATE PORTRAITS

Sons and daughters, of employees or retirees, graduated from high school, college or technical schools this spring will be honored in an upcoming issue of Energy Systems at Portsmouth.

Billfold size photos of graduates should be submitted to Public Relations, MS 1118-A, X-100 Building, not later than Friday, July 12.

The graduate's full name, name of school, employee's name, department number and mail stop must be lightly written, in ink, on the back of the portrait.

Tennessee preparing Oak Rite site proposal

Weapons complex reconfiguration starts

In February the Department of Energy released its long-awaited study on reconfiguration of its nuclear weapons complex.

The study was hailed by DOE Secretary James Watkins as a major first step essential to commencing public involvement in the environmental scoping process. This process will lead to a specific decision on the future of the weapons complex.

Admiral Watkins said this new report, which supersedes the "2010 Report," also takes into account the rapidly changing international political and social environment, including the warming of relations between the Soviet Union and the U. S., and the democratization of Eastern Europe.

The 13 facilities, currently distributed over 12 states, produce nuclear materials; perform research, development and testing of nuclear devices; design and manufacture nuclear weapons; and provide surveillance and maintenance of nuclear weapons in the national stockpile.

DOE divides its complex into three functional elements. These elements and the facilities which make them up are as follows.

- Research, Development and Testing: Lawrence Livermore National Laboratory,

Los Alamos National National Laboratory, Sandia National Laboratory and Nevada Test Site.

- Nuclear Materials Production and Manufacturing: Pantex Plant, INEL in Idaho, Rocky Flats Plant, Hanford, Y-12 Plant and Savannah River Plant.

- Non-Nuclear Manufacturing: Kansas City Plant, Mound Plant and Pinellas Plant (Pantex, Y-12 and Rocky Flats also have non-nuclear operations).

The DOE said that while the specific decision on the future of the complex will not be made until late 1993, it is clear that the reconfigured complex will be "smaller, less diverse and less expensive to operate" than the present complex.

Watkins said the Complex Reconfiguration Study (CRS), which was the product of 18 months' work involving 200 DOE officials, contains a number of options that will define the nation's nuclear deterrent efforts well into the next century.

He said the department will now undergo a three-year, \$38 million Programmatic Environmental Impact Statement (PEIS), required by law, to examine environmental considerations before reaching a "Record of Decision" (ROD) in late 1993.

A number of public scoping meetings will be held around the country to gauge public reaction to the options contained in the study.

"We're ready to go in any direction that is environmentally and fiscally sound, in order to support this nation's nuclear deterrent into the next century," said Watkins.

"We're working towards a responsive, well-run operation that is flexible enough to cover the likely range of the nuclear weapons stockpile requirements," he continued. "This study is a good product and a good beginning towards those goals."

The Energy Department noted that the study continues an effort begun in 1988 when Congress ordered that a study be conducted for the purpose of determining the overall size and production capacity necessary to support national security objectives and that a plan be prepared for the modernization of the nation's nuclear weapons complex.

The product of that study was the "Nuclear Weapons Complex Modernization Report" or the "2010 Report", submitted to congress in January 1989.

In February 1989, DOE began parallel development of five-year plans to address environmental restoration and waste management concerns, and modernization concerns. In September of that year, Watkins, citing the changing world environment and DOE policy changes, established a complex Reconfiguration Committee to reexamine the entire issue of modernization.

Watkins said reconfiguration would, among other things, minimize the number of weapons production sites and the size of individual sites; results in a complex that is smaller, less diverse and less expensive to operate than the present complex; address environmental, safety and health concerns; and provide DOE with the tools and resources to continue to successfully carry out its presidential mandate to provide nuclear weapons in support of the nation's nuclear deterrent policy.

"Much of the current nuclear weapons complex was constructed three to four decades ago and is now in need of repairs or replacement. Several production facilities are not operating. And we need to place more emphasis on the environment, and the safety and health of workers and the public," said Admiral Watkins.

"If a strong nuclear deterrent is to remain a key component of this nation's national security program, then we must refigure the nuclear weapons complex to meet our future needs," he said.

The DOE said there are a number of reconfiguration options that will be exam-

ined. These range from a "no action" alternative (as required by the National Environmental Policy Act of 1969) to a sweeping reorganization that could reduce the complex from its present 13 sites down to six or seven.

Regardless of which option is chosen, the country's nuclear weapons complex will undergo changes. The DOE said possible changes include relocating the Rocky Flats Plant from Colorado, or locating Rocky Flats and two of the five remaining nuclear weapons production sites at a single dedicated site; consolidating non-nuclear activities at one dedicated site; transferring many non-nuclear activities to the private sector; decommissioning at least one facility entirely; and examining the missions, facilities and operations of the three research and development labs for changes that could satisfy essential weapons requirements while streamlining the research, development and testing facilities.

Legal, technical and resource considerations are all factors which will determine the option selected and the length of time needed to complete reconfiguration of the nuclear weapons complex. Various stages of the process will overlap, with actual construction/consolidation scheduled to begin as early as 1996.

Estimated costs of reconfiguration, depending on which option is selected, range from a low of \$6.7 billion to a high of \$15.2 billion over the length of the project.

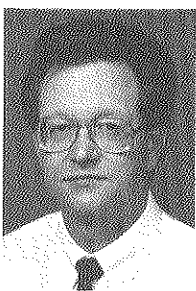
The entire reconfiguration involves a multi-step process which began with the submission of the study to Congress. Then, on Feb. 11, a Notice of Intent to prepare a PEIS appeared in the Federal Register.

The DOE recently awarded Tetra Tech, Inc., of Pasadena, with a three-year, \$7 million contract to provide technical support services to assist in development of the PEIS.

Also on Feb. 11, in a related notice, the DOE also invited states, other federal agencies and the public at large to submit proposals for a site on which DOE may construct and operate one or more of the facilities.

The DOE's Oak Ridge Operations Office and Martin Marietta Energy Systems, working in cooperation with Oak Ridge officials and the State of Tennessee, are preparing a site proposal for locating a future nuclear weapons production facility on the Oak Ridge Reservation. A temporary office was opened at the Tennessee Innovation Center to provide space for representatives of ORO and Energy Systems. Their site proposal will be submitted June 3.

Promotions



Medukas

Kurt J. Sisler has been promoted to ES&H Shift Advisor (D-922). He reports to Carl Weghorst, Department Superintendent, Emergency Management.

Gary W. Medukas is now Supervisor, Health Physics (D-102). He reports to Steve Warren, Department Head, Health Physics.

Gary D. Dearing has been promoted to Supervisor, Maintenance (D-721). He reports to Ken Tschappat, General Supervisor, Compressor Shop.

Richard D. (Dean) Bussa has been promoted to Supervisor, Uranium Materials Handling (D-829). He reports to Mark Conkel, Department Head, Chemical Operations.

Theresa (Terri) L. Wright has been promoted to General Supervisor, Janitors (D-743). She reports to Ralph M. Nolfi, Superintendent, Maintenance Engineering & Services.

Alan S. Kelley has been promoted to Section Supervisor, Health Physics (D-102). He reports to Gary Medukas, Supervisor, Health Physics.

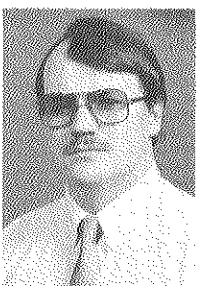
John A. Steward has been promoted to Supervisor, Planner and Estimator, Maintenance Services and Management Systems (D-742). He reports to Eugene E. Pofahl, Department Head.



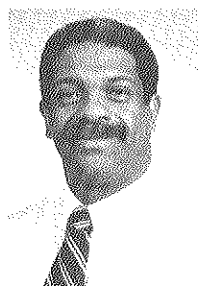
Dearing



Bussa



Kelley



Steward

Rockhold new department head

Donald E. Rockhold has been promoted to Department Head, Event Investigations. He reports to John E. Cormier, Manager, Quality Programs.

The new department will be responsible for fulfilling DOE and Energy Systems requirements following incidents and occurrences — reporting, evaluating, investigating, and preventing recurrence of similar events.

Rockhold came to the Portsmouth plant in June 1968 as a member of the Engineering Technical Squadron and then worked as a staff engineer in Process Maintenance.

He has served as Supervisor for the Motor Pool, Buildings & Grounds; Utilities

and Cascade Maintenance; and Maintenance Engineering departments. He was QA Coordinator, GCEP and GDP Production Divisions, beginning in January 1983 and QA Coordinator and Specialist, Production Division, since September 1985.

Rockhold was graduated from Marshall University in 1968 with a bachelors degree in science and from Ohio University in 1971 with a master of science degree in industrial and systems engineering.

He and his wife, Sue, have two children and live in Chillicothe, where he has been active in American Legion baseball as well as youth league baseball, soccer and basketball.



Rockhold



Pofahl

Pofahl promoted in maintenance

Eugene E. Pofahl has been promoted to Department Head, Maintenance Services and Management Systems (D-742). He reports to Ralph Nolfi, Superintendent, Maintenance Engineering and Services.

Pofahl had worked as Section Head, Maintenance Engineering, at the Paducah Gaseous Diffusion Plant from July 1951 through April 1954. He came to work at Portsmouth in December 1980 as an Engineer, Sr., in the GCEP Recycle/Assembly Division. He then became Department

Head, Manufacturing, in June 1983.

Pofahl has been an Engineer, Sr., in the GDP Maintenance Engineering department since December 1988.

A Navy veteran, Pofahl was graduated from the University of Texas at Austin in 1951 with a bachelor of science degree in mechanical engineering and from the Harvard Graduate School of Business Administration in 1959.

He and his wife, Beverley, have four children and live in Huntington.

SERVICE MILESTONES

May 1991

25 years — Lynn Calvert.

15 years — Donald S. Ferryman, Ralph Dantoni Jr., Darcel K. Gentry, James E. Richey Jr., Charles A. Leesburg, Lee Lawson, James E. Wilburn, Timothy A. Reichelderfer, Linda L. Cole and Joseph L. Moore.

10 years — Lindsay C. Smalley, Kathy D. Hoggard, Kimberly L. Sanson, Wendell K. Hahn, Kevin B. McMullen, Chandan K. Sanyal and Perry W. Stiverson.

5 years — Timothy L. Lacy.

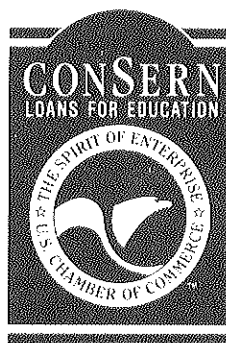
June 1991

35 years — Gerald L. Cornwell, Warren J. Yerian and Regina C. Rapp.

15 years — Donita K. Grashel, Joe Cook, Sandra R. Murta, Raymond Dunaway Jr., Larry W. McCall, Bonnie J. Rumble, Jane Johnson, Russell R. Sandman, Daniel M. Noble, Harold E. Montgomery, Wanda J. Crabtree, Richard G. Dilts, Harold E. Morse, Paul W. Remy, Danny L. Mullens, Judy A. Curry, William E. Netter and Timothy D. Francis.

10 years — Lisa I. Tidrick, Charles E. Gamm, Gary A. Blanton, Keith A. Hoop, David K. Mullins, William E. Burton, James M. Short, John R. Hutchison, James L. Anderson, Larry B. Cutlip, Randall W. Smith, Patricia A. Trivisonno, Joseph N. Newsom, and Mildred E. Rucker.

5 years — Merrill V. Lanning Jr. and Donald L. Arbogast.



New student loan program now available

All Martin Marietta employees are eligible to participate in a new student loan program that is designed to provide low-cost unsecured education loans to families whose income is too high to qualify for federal student loan programs.

Sponsored by the U. S. Chamber of Commerce and private companies such as Martin Marietta, the program known as ConSern: Loans for Education provides funds that can be used for any accredited institution, including private secondary schools (grades 9-12); approved proprietary and trade schools; and undergraduate and professional programs.

The information and application forms are being made available at the Portsmouth as a service to employees by Martin Marietta, a member of the U. S. Chamber of Commerce and a sponsor of ConSern: Loans for Education.

Eligible applicants may borrow from \$1,500 to \$25,000 per year, up to a total of \$100,000, for any school related cost tuition, room and board, fees, books, equip-

ment (including computers for school use), and other related expenses.

Employees may secure a loan to finance their own educational interests or those of family members. While Energy Systems will continue to reimburse the academic costs of employees through the company's Educational Assistance Program, employees may still apply for a ConSern loan to pay for expenses not otherwise covered.

Interest rates on ConSern loans are based on the Commercial Paper Rate, traditionally the cheapest form of financing on the market. In some cases, borrowers may pay interest only while in school.

Employees can apply for a loan at any time during the year, and repayment will begin 30 days after the check is disbursed. A 15-year period from the date of disbursement is allowed for loan repayment, with no penalty for prepayment.

To request an application kit or to obtain more information, contact Shirley Couser, the site's Educational Assistance Program representative.

Plant sponsors university program for students in eight counties

Because of their increasing concern for the lack of scientifically literate high school graduates in the United States, the U.S. Department of Energy (DOE), Martin Marietta Energy Systems and Shawnee State University have started a program to increase high school students' literacy and interest in mathematics and sciences.

On May 11, Shawnee State launched a first-ever "Math Science Academy" for high school sophomores and juniors in Scioto, Pike, Jackson, Ross, Adams and Lawrence counties in Ohio; and Greenup and Lewis counties in Kentucky.

The DOE/Martin Marietta academy is being offered as a series of workshops on six consecutive Saturdays on the Shawnee State campus, and then concludes on the seventh when students receive certificates at a special graduation ceremony.

The Math Science Academy will be repeated for a different group of students in the fall of 1991.

Energy Systems granted \$120,000 to Shawnee State University for the operation of the two-session Math Science Academy. Participating students will not be financially responsible for any phase of participation in the program.

Entitled "A New Look at Reasoning", the program will focus upon approaches to inductive and deductive reasoning in the areas of biological science, engineering technologies, physical science, and mathematics. The materials and information presented in each workshop will offer students insight as to the interdisciplinary nature of problem solving and issue resolution in technical and scientific workplaces.

The instructors and workshop presenters will be drawn from a network of math, science and engineering experts from Shawnee State University and Martin Marietta Energy Systems.

Those completing the Academy will earn two hours of college credit from Shawnee State University.

The concept for the Math Science Academy began at a DOE Math Science Education Action Conference in May 1990. It was then recommended that DOE management contractors throughout the country develop plans and programs for increasing math/science literacy and interest.

Martin Marietta Energy Systems and Shawnee State University's Office of Continuing Education then began work to plan and coordinate the local project.

Video conferencing expected to reduce travel costs

In an era of rapidly rising travel costs and shrinking budgets, the use of new Uranium Enrichment video conferencing rooms are helping to realize significant savings by eliminating the need for many employee business trips.

Video conferencing services with two-way audio and video communications have been installed and are now being used at the Portsmouth, Paducah and Oak Ridge Y-12 Downtown Concourse.

"Many times we drive for hours to a meeting at Paducah or Oak Ridge that could be conducted through video conferencing," noted Ralph Donnelly, Plant Manager. "The reduction of travel costs is essential and I am requesting that Portsmouth people maximize the use of our Video Conferencing Room."

"The service has already saved considerable travel and increased productivity for several site organizations," said Esther Klinebriel, Video Conferencing Coordinator at Portsmouth. "In March, April and May, our center was used 54 times for a total of more than 102 hours."

The use of video conferencing began as a six-month pilot project using equipment

leased from FTS2000 and Compression Labs, Inc., she noted. "We have monitored the project for cost effectiveness, and results are justifying making it permanent."

VIDEO CONFERENCING

Video conferencing involves the sending and receiving of video and audio between sites, Klinebriel explained.

Capabilities exist to view not only the attendees, but also slides, pictures, drawings and documents. Each state-of-the-art Uranium Enrichment video conferencing room features dual 25-inch color picture monitors, a graphics camera, a participant camera, microphones and monitor speakers. At Portsmouth, the equipment is located in a specially built soundproof room to provide for uninterrupted meetings.

EXPANDED CAPABILITIES

"Our Video Conferencing Room provides for unclassified video teleconference connections over the FTS2000 Network not only to the Paducah and Oak Ridge sites, but also to various points around the country," Klinebriel said.

Other participants must be connected to the FTS2000 Network through one of its control centers.

"Eventually, we will be able to set up conferences with commercial video conferencing services, she noted. This would include corporate headquarters, which uses the U. S. Sprint Meeting Channel.

Beginning June 24, DOE sites including Portsmouth will be testing Dynamic Multi-Point, a new service which offers three modes of operation — voice activated switching, chairperson control and lecture control — to provide for changes in the video source during a conference. Now, only one source is possible.

SCHEDULING

The Telecommunications Department arranges video conferences for Portsmouth employees. The extensions to call are 2600 or 2667.

The staff can also provide information about procedures and locations of available off-site meeting rooms. A formal Video Conferencing Room procedure is available upon request.

The Telecommunications Department will demonstrate the facility to anyone who has not had the opportunity to meet via video conferencing.

Requestors must provide name, extension, department and cost center numbers, requested date, start and stop times, and the off-site locations to be included in the conference.

Users are charged at the rate of \$100 per hour. Minimum time is 30 minutes, with additional increments of 15 minutes.

Conflicts in room reservations will be resolved by the Telecommunications Department and in most cases are on a first-come, first-served basis. Those interested in scheduling a teleconference should call one day in advance to insure a successful connection.

Users are urged to arrive at the Video Conferencing Room 15 minutes prior to the scheduled start time. Klinebriel also suggests that the meeting be scheduled for a specific length of time. "If you realize that you're going to go over that amount of time, the Video Services operator on duty can make arrangements for an extension," she said.

Discussions are limited to unclassified subjects and materials. The facility is available for unclassified personnel by special security arrangement.

Klinebriel also advised that no more than seven people participate in a conference. "The reasons are room capacity and the fact that conferences tend to become too hectic with more participants," she said.

LONG-RANGE SAVINGS

"We think this system will prove to be a very efficient, cost-effective method of communication for Energy Systems employees," Klinebriel said. "Statistics from Boeing Corporation, which implemented a video teleconference system about 10 years ago, indicate that the company has conducted some 20,000 teleconferences, eliminating the need for more than 5 million travel miles during the period."

"The success of our system depends on its use, and we will be monitoring the system closely, tracking who uses it and how frequently, and noting the cost savings they realize," she said.

"If use of the system grows and continues to be a success, the hope is to have both classified and unclassified facilities eventually, with additional locations to be determined."

Kane transfers to Portsmouth

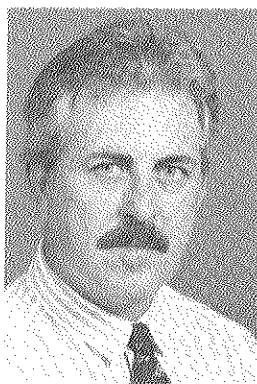
Michael A. Kane has transferred to the Portsmouth Gaseous Diffusion Plant as Department Head, Planning and Engineering Support, in the Waste Management Division. He reports to Jeff Hedges, Division Manager.

The department has been formed to facilitate development of waste management strategies for the plant and to provide technical support for operating and planned waste management facilities. Department responsibilities also include coordinating

the plant's waste minimization program and supporting environmental restoration planning.

Kane was graduated magna cum laude in environmental engineering from Rensselaer Polytechnic Institute in 1984 and has been involved in the environmental and waste management program at the Y-12 Plant since 1984. He was formerly the ESH&QA Compliance Manager for the Y-12 Maintenance and Utilities Division.

Kane lives in Chillicothe.



Walters



Kane

Walters named Training Manager

Reed H. Walters has been promoted to Training Manager (D-220). He reports to B. Wayne McLaughlin, Director, Human Resources.

Walters came to work at the Portsmouth plant in March 1968 as a Laboratory Development Technician. He became Foreman, Uranium Materials Handling, in August 1972; and served as assistant to the Plant Manager from July 1981 to April 1982.

He was then named General Foreman

and Training Coordinator in the Gas Centrifuge Enrichment Plant Production Division. He became Supervisor, Process Area, in October 1983.

Walters has served as Department Head, Operations Training, since February 1986.

He has attended Ohio Northern University, the University of Akron and Ohio University.

He and his wife, Edy, have two daughters and live in Waverly.

MARTIN MARIETTA

Energy Systems at Portsmouth

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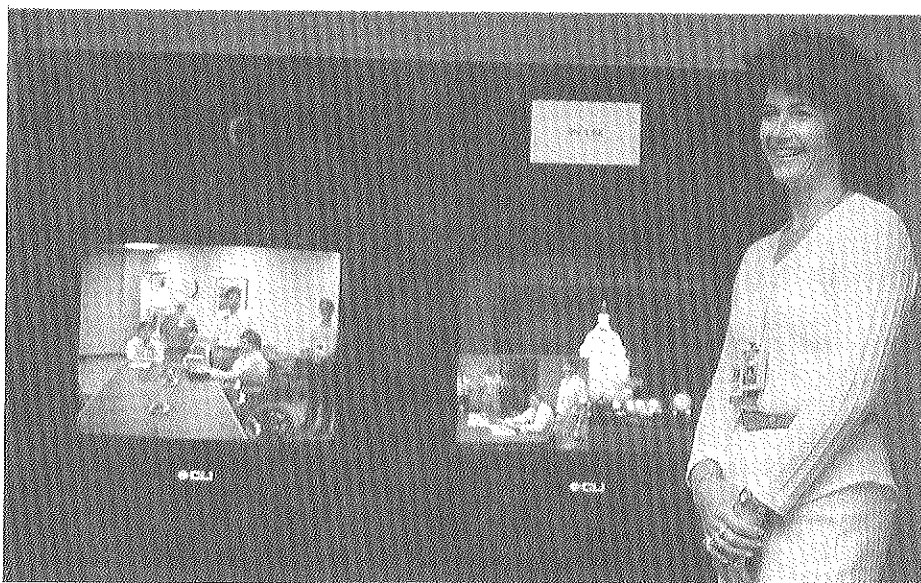
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Esther Klinebriel explained the equipment involved in video conferencing during a recent Open House in the Portsmouth plant's new facility. State-of-the-art electronics include dual 25-inch color picture monitors, a graphics camera, a participant camera, microphones and monitor speakers, installed in a specially built soundproof room.

Retirees

James M. Wellston, Supervisor, Maintenance (D-715), more than 37 years.

Myron O. Elcess, Oak Hill, Sr. Laboratory Technician (D-522), more than 35 years.

Jack R. Hughes, Portsmouth, ES&H Staff Specialist (D-829) more than 14 years.

Princella L. Jamison, Portsmouth, Sr. Secretary (D-330), more than 34 years.

James Mulhern, Wellston, Design Technologist (D-622), more than 16 years.

John R. Ortman, Chillicothe, Health Physicist IV (D-102), more than 37 years.

James H. Ratliff, Lucasville, Sr. Laboratory Technician (D-541), more than 21 years.

William G. Russell, Portsmouth, Sr. Staff Consultant II (D-001), more than 37 years.

Thomas C. Taulbee, Wheelersburg, Engineer, Safety (D-101), more than 34 years.

Eloise Thomas, Lucasville, Supervisor, Data Entry I (D-346), more than 24 years.

Jack O. Wineka, Sciotoville, Maintenance Mechanic I/C (D-726), more than 37 years.

Ethics re-emphasis under way

A program for re-emphasis on ethics and standards of conduct is under way at Energy Systems. Training for presenters is complete, and initial sessions for employees have started.

The program is aimed at reminding employees at all levels that the company operates under a specific code with respect to internal and external activities.

"We are not here to question the personal ethics and conduct of employees," said Dreama Easter, training program manager in the Human Resources Division. "This re-emphasis is to give us a focus on ethics as they apply to our work specifically."

Ethics presentations, which last for about an hour, include a brief introduction to the program, a videotape titled "Ethics: Good People Finish First," and an opportunity for questions and discussion.

"The presenters are not ethics officers and do not offer to settle ethics questions during the sessions, but they are good resources for finding out whom to call for information or help," Easter said.

The videotaped presentation includes messages from Energy Systems President Clyde Hopkins and Martin Marietta Corporate Ethics Officer George Sammet Jr.

Attendance is documented and audited to ensure that sessions will be scheduled for employees who are on vacation or are away from their jobs for other reasons. Persons who attend the sessions must sign the registration form before they leave.

The ethics re-emphasis is part of an ongoing program begun several years ago with half-day sessions for senior managers and a two-hour program for Procurement personnel and others who work with vendors. Re-emphasis sessions are expected every two or three years.

Each employee should have received blue-covered publications titled "Code of Ethics and Standards of Conduct" and "Guidelines: Martin Marietta Corporation Code of Ethics and Standards of Conduct" to use as reference materials.

Obituaries

Johnnie M. Miller, Akron, March 2. Miller was a Process Operator (D-814) at the time of his retirement in June 1989. Survivors include his wife, Elloise.

Marvin Whitt, March 4. Survivors include his son, James L. Whitt (D-334).

Chester Godfrey, Lucasville, March 9. Survivors include son, Dwayne (D-811).

Roy Kenneth Reed, Akron, March 21. Survivors include his daughter, Judy Vollrath (D-347).

Bill Channel, March 26. Survivors include his daughter, Sandy Raynard (D-931).

Mary Wooten, Cincinnati. Survivors include her son, Anthony Wooten (D-521).

Clarence W. Caulley, Minford, March 30. Caulley was a surveyor in the Health Physics Department at the time of his retirement in November 1967. Survivors include his wife, Virginia Ruth.

Chauncey Diggs, Cincinnati, April 4. Diggs was assigned to GCEP during her employment with Goodyear Atomic. Survivors include her husband, Isaac, also a

former site employee.

Robert B. Hutchison, 49, Jackson, April 8. Hutchison was General Supervisor, Maintenance. Survivors include his wife, Barbara, and two daughters.

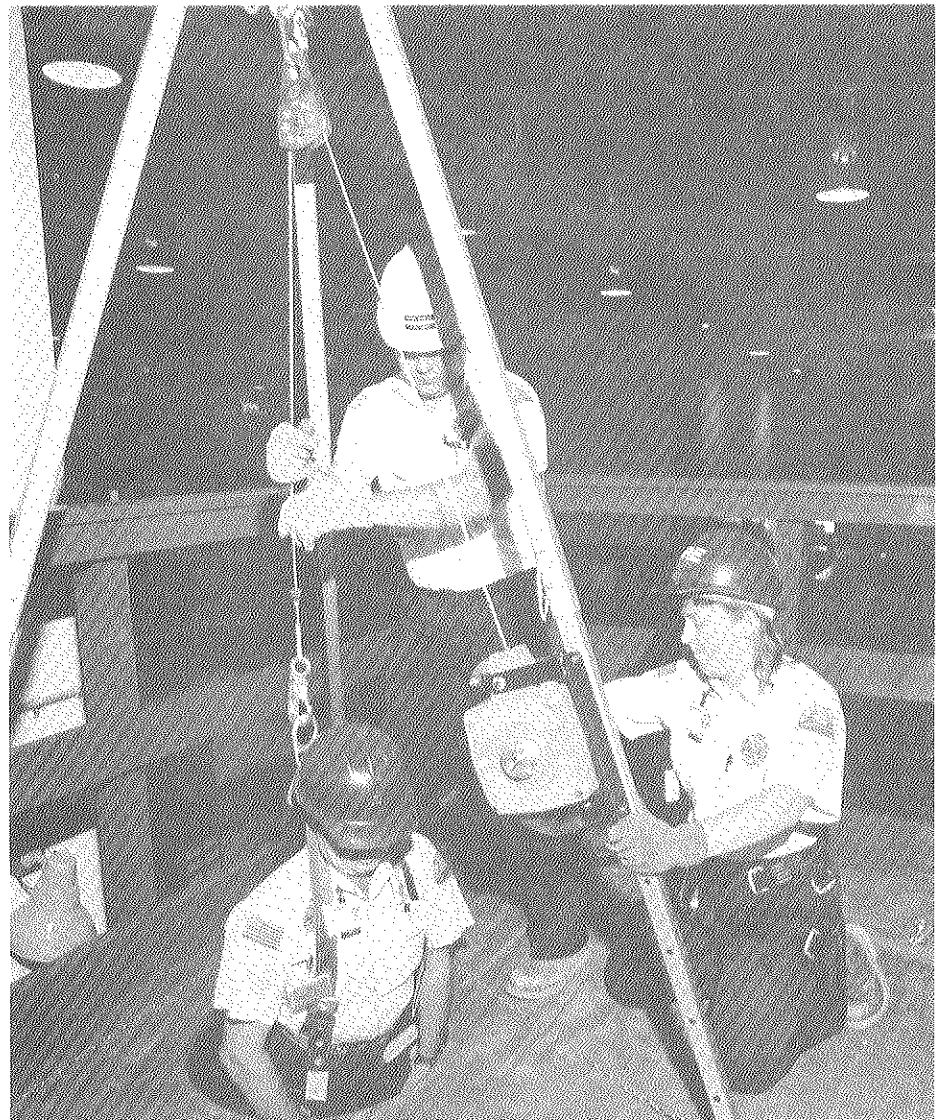
James Havens, Lucasville, April 2. Havens was a Maintenance Mechanic at the time of his retirement in March 1981. Survivors include his wife, Averill.

Dennis Carrier, Waverly, April 8. Carrier was a Maintenance Mechanic at the time of his retirement in October 1980. Survivors include sons Mike Carrier (D-831) and Roy Carrier (D-727).

Lloyd Oakes, 60, Rosemount, April 18. Oakes was an electrical engineer with a continuous service date of May 1976. Survivors include his wife, Joyce, two sons and two daughters.

Wyvetta W. Meadows, Westerville, May 4. Meadows was a Clerk at the time of her retirement in September 1987.

Carl F. Ferguson, 76, Portsmouth, May 8. Ferguson was in Industrial Relations at the time of his retirement in May 1980.



Confined space training uses new simulator

Fire Department personnel are participating in Confined Space Rescue Training using a simulator designed and built on the site. Located in the X-3012 Building, the simulator allows fire fighters and other emergency response personnel to safely sharpen their rescue skills. Other plant site groups involved in confined space work are expected to use the simulator in training personnel in confined space entry and exit and the operation of safety equipment. Each Fire Department shift is participating in an initial four-hour training session which includes an overview of confined space rescue and basic instructions in the operation and use of newly acquired rescue equipment. Advance training is planned. Departments who assisted in developing the confined space training and building the simulator included the Fire Department, GCEP Maintenance, Safety and Code Inspection.

EIA predicts increasing energy efficiency

As the economy expands, the United States is expected to become substantially more energy efficient over the next 20 years, according to a report released recently by the Energy Information Administration (EIA). The report is an update to last year's "Annual Energy Outlook", which was used in the development of the base case forecast for the National Energy Strategy.

Gains in energy efficiency are expected because of improvements in automobile fuel economy and industrial processes, plus continuing upgrades to the quality of construction and equipment in residential and commercial buildings. However, the rate in which these improvements occur depends on a number of factors, three of

which are the world oil price, growth in the economy, and the pace of technological change and replacement of energy-using equipment.

By the year 2010, the average miles per gallon for the passenger vehicle fleet is expected to increase anywhere from 18 to 32 percent; industrial energy efficiency anywhere from 23 to 27 percent; residential housing efficiency anywhere from 9 to 18 percent; and commercial building efficiency, anywhere from 10 to 17 percent. These ranges assume world oil prices will vary between \$23 and \$45 per barrel by the year 2010 and the GNP will expand at a rate between 2.1 and 2.8 percent per year.

The EIA report, "Annual Energy Out-

look 1991 (AEO)", addressed four different sets of assumptions on world oil prices and economic growth rates and their effects on energy supply and demand through the year 2010. The AEO assumed no change in current law or regulations.

Key highlights from the report include:

- U.S. petroleum demand is projected to increase to somewhere between 18.9 and 24.0 million barrels per day by 2010, compared with 17.3 million barrels per day in 1989.

- Net imports of petroleum are expected to increase to between 10.8 million and 17.7 million barrels per day in 2010, up from 7.2 million barrels in 1989. U.S. dependence on imports increases to between

57 and 74 percent, up from 42 percent in 1989.

- Domestic crude oil production is expected to decline during the forecast period, from 7.6 million barrels per day in 1989, to a range of between 3.4 and 5.2 million barrels per day.

- Natural gas consumption is expected to increase, particularly for electricity generation, from 18.8 trillion cubic feet in 1989 to levels ranging from 21.8 to 22.7 trillion cubic feet in the early years of the next decade.

- Domestic coal consumption is projected to increase by between 240 and 440 million short tons between 1989 and 2010, primarily because of increased coal use by the electric utility sector.

- Electric utilities and nonutilities are projected to need between 177 gigawatts and 322 gigawatts of new generating capacity by 2010, as stable prices increase demand and the current excess baseload capacity diminishes. Depending on whether new nuclear plants are ordered and/or the operation of existing units is extended, nuclear power capacity would range between 101 gigawatts and 110 gigawatts in 20 years — with the overall nuclear share of electricity declining from 19 percent in 1990 to between 14 and 15 percent in 2010.

- Renewable energy use should increase from a seven percent share of total energy consumption in 1989 to about 11 percent of the total projected for 2010. Hydropower continues to account for the greatest share of renewable energy used for electricity generation over the forecast, but its share declines because of little growth in hydropower.

EIA is an independent agency within the Department of Energy that is responsible for collecting, analyzing, and disseminating energy information.

Advisory committee conducts 19th meeting

The Martin Marietta Energy Systems Environmental Advisory Committee for the Portsmouth Gaseous Diffusion Plant conducted its 19th session April 29-30.

During this session, the committee met with the administrator of the Radiological Health Program of the Ohio Department of Health, who reviewed that agency's radiological monitoring programs for DOE installations in Ohio, particularly the Pike County uranium enrichment facility.

Committee members also reviewed environmental data to be included in the plant's monitoring report for 1990 and progress of waste management operations with particular emphasis on site storage of mixed hazardous and radioactive wastes. Members also were provided with an update on the status of the site ground water investigation program.

Employee Assistance Program under way

By Daniel E. Conrad,
Corporate Medical Director

It is not always easy to balance the demands of work and personal life. Sometimes we can deal with problems ourselves, but other times they may be so overwhelming that we need to ask for help. If this is the case, we may be unsure about where to start.

In the past, many employees have come to Energy Systems Health Services centers for counseling with physicians, nurses or staff psychologists. They are still welcome to do so. However, there is now an additional resource the new Employee Assistance Program (EAP), which became available April 1.

The EAP features offsite locations, confidential assessments, and referral and counseling services for problems affecting health, personal lives or jobs. Such problems may include stress; marital or other family difficulties; alcohol or drug problems; or legal or financial concerns. All full- or part-time employees are eligible to

use the EAP, and it also is available to their eligible dependents. The service is provided at no cost to employees, although payments for referrals to subsequent consultants or facilities are the employees' responsibilities. These subsequent services, however, may be covered by the comprehensive health plan if they are medically necessary.

Energy Systems has contracted with an independent firm, ASSURED Health Systems, Inc., to administer the EAP and to provide professional assessment, referral and counseling services on a one-to-one basis. There are facilities in Oak Ridge, Knoxville, Paducah, Portsmouth and Chillicothe. Each office is staffed by master's-level or PhD-level counselors in psychology and social work, and all are well acquainted with additional community resources for referral when it is needed. Emergency service is available on a 24-hour basis every day. The EAP staff may be reached at the following numbers, which are found in the EAP benefits plan

booklets mailed to employees: Knoxville/Oak Ridge, (615) 690-0068; Paducah (502) 442-5089 or (800) 222-3378; and Portsmouth (614) 353-8063 or 1-800-222-3378.

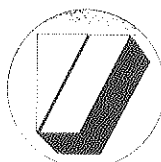
A major employee concern relates to the confidentiality of the EAP visits and records and how clearances and possibly job retention might be affected. For example, in most states, cases involving child abuse or imminent danger to life are required to be reported to law-enforcement authorities. Granting of clearances is strictly a function of the Department of Energy. During my many years with major corporations, it has been clear that employees who seek help prior to company disciplinary action, and who undergo successful rehabilitation for alcohol or drug abuse, have a much more favorable outcome both at home and on the job than those who do not. Likewise, employees with drug or alcohol problems who have tried to conceal the situation and then have developed problems at work may experience disciplinary action up to and including work termination. Therefore, I strongly encourage all employees with such problems to utilize this new EAP to start a recovery process.

Over the next several months, training sessions will be provided for supervisors and other leaders, as well as for other employees and dependents. For more information, call one of the following EAP site contacts. At Portsmouth, it's John Ater, extension 5229, or Joe Porter, extension 2445.

This program has been carefully developed to ensure that the highest-quality professional staff will provide confidential evaluation, referral and consultation to both employees and their dependents for a variety of personal problems, all at no cost to employees. I hope that you and your family will not hesitate to call upon ASSURED Health Systems, Inc., for further information or for personal assistance.

RECREATION CORNER

- JULY 20. EAC Employee Outing at Wyandot Lake in Columbus. Features include greatly reduced admission, bingo, the grand drawing, and rides all day (including a \$3 million "Lazy River" ride almost completed!).
- AUGUST 3. Company Golf Tournament at Shawnee State Golf Course. Free to all employees, retirees and spouses.
- SEPTEMBER 7. The Atomic Bass Club has scheduled its Fall Tournament for Saturday, Sept. 7, at Shawnee State Park. For reservations and information, call Dan Mullens or Charlie Hammond at 5942, or Arlie Adams at 4552.
- OCTOBER 5. Foremen's Club Fall Outing.
- NOVEMBER 4. EAC Recognition Banquet.
- DECEMBER 1. CHRISTMAS PARTY (Projected date)

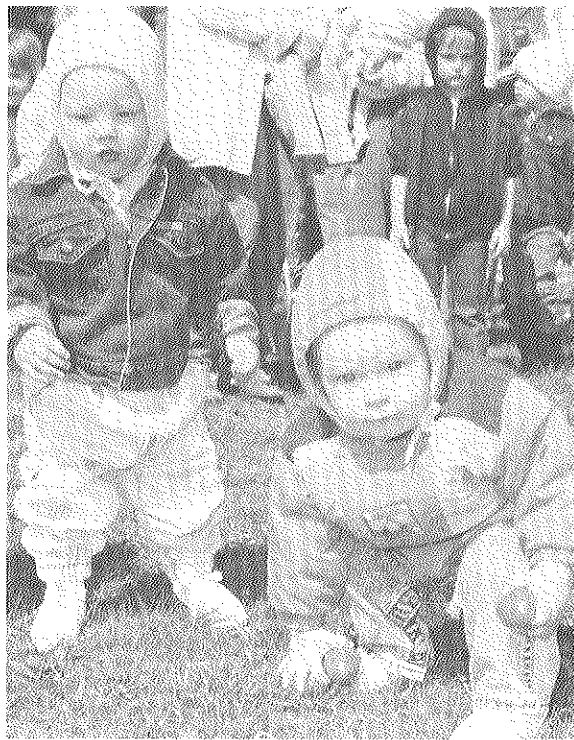


SPIRIT OF CORPORATE VALUES

Concern
for
People

Working
Together

Challenging
Goals



Annual Easter Egg Hunt considered huge success

By John Gedeon, EAC Coordinator

The rain makers were kind March 24 as hundreds of children enjoyed the annual Easter Egg Hunt. Doc Overly (D-904), chaired this event. "Although the rain and cold weather never held the children back in recent years, this was the first year it didn't rain and thank goodness," he laughed.

For the first time, this popular event was conducted at the Pike County Joint Vocational School located on Route 32 near the North Access Road. This setting provided an ideal location for three large hunt areas, plenty of parking, and a great spot for the entertainment and refreshments.

What does it take to produce an event of this magnitude? "Some people think we start that morning, but we start months in advance," said Shirley Walter (D-630), who assisted with this event. During the week before, three hunt areas were staked off, more than 500 plastic sacks were filled with an Easter sucker and a toy, and 8,000 eggs were stuffed with candy and

spread out! It is still hard to believe that all eggs were found in less than 10 minutes.

David Kaplan, a professional juggler from Columbus, provided entertainment. Here is an entertainer that has a great rapport with kids. Highlights of his performance were juggling of eggs which were caught on the back of his neck, ping pong balls juggled from his mouth, and a finale which featured a real bowling ball, toilet plunger and bowling shoes!

A unique feature of this wholesome family activity, as with most EAC events, is the input of so many people. Not only most EAC members, but many other employees and their family members are involved. In fact, the sons of two EAC members donned the rabbit and bear costumes and posed with hundreds of children for special pictures.

Now the Easter Bunny has hopped back to his borough for another year. That special time of 1991 for children who still believe in the magic of that special rabbit is now a memory. A tip of the hat and thank you to all who volunteered their talents.



Winners of the Bart Simpson, Batmobile and hamburger telephones and four-foot high stuffed animals at the plant's 1991 Easter Egg Hunt were Owen Liles, son of Sharon Liles, (D-513); Alisha Adkins, daughter of David Adkins, (D-911); Andrea Cordle, granddaughter of Sharon Bailey, (D-226); Christopher Bihl, son of David Bihl, (D-931); Tiffany Malone, granddaughter of Bernie Malone, (D-726); and Michael Harris, son of Roy Harris, (D-521).



SPIRIT OF CORPORATE VALUES

Concern for People Working Together Challenging Goals

New Employees

March 18

Stephen M. Casto, Quality Assurance (D-411).

Robert W. Adkins, Computing Systems & Data Services (D-346).

Woodson B. Ramsey, Richard D. Dague, Todd R. Chaney and David E. Fraley, Police Department (D-911).

Jeffrey D. Cunningham, Health Physics (D-102).

March 26

Thomas M. Colwell IV, Safety (D-101).

April 1

Joyce A. Wiley, Shift Operations (D-922).

Nanthesa S. Guice, Nuclear Materials Accounting (D-932).

Kara L. Morrison, Chemical Operations (D-828).

Susan C. Coburn, Records Management (D-352).

April 8

Earl M. Ballard, Health Physics (D-102).

April 15

John H. Klewicki, Project Management (D-631).

Thomas R. Agans, Maintenance Training (D-222).

Guy E. Mayes, Accounting (D-378).

Michael E. Peach and Charles W. Brown, Shops & Utilities Maintenance (D-726).

Larry W. Ross, Cascade Electrical Maintenance (D-714).

Edward T. Dietrich and Carlisa Cooke, Police Department (D-911).

April 22

Deena A. Stephens, Environmental Restoration (D-105).

Crystal F. Gordon, Mass Spectrometry (D-513).

April 29

Wayne R. Hamilton, Uranium Enrichment Accounting and Financial Services (D-951).

Jolene V. Turner, Mass Spectrometry (D-513).

May 6

James J. Williams, Organic Analytical Services (D-554).

Clara M. Widdig, ES&H Staff Support (D-108).



'4 Stars' chosen for first half of 1991

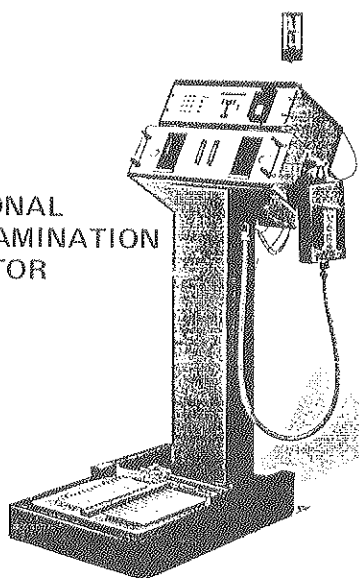
The four people chosen as the Technical Division's "4-Star" employees for the first half of 1991 are Sue Fulk, Bob Komarz, Rick Mains and Jesse Strickland. They chose a field trip to the Honda plant at Marysville, completed April 23. Others voted to be department representatives to the employee recognition program, from which the four were chosen by drawing, were Harold Bell, John Hamer, Monica Williams, Mark Aliff, Joe Deck, Mary Sue Chaffin, Ari Cardenas, Mark Parker, Lila Donley, Ralph Lemming, Mike Rafferty, Paul Simpson, Norm Potts, Joe Bruch, Carl Hunston, Al Shultz, and Bonnie Stanley.

CC's Corner

"Take TIME"
for your
SAFETY...



PERSONAL
CONTAMINATION
MONITOR



New monitors were recently installed for your use. Be sure to attend a training session on their operation. For your information and protection, Radiation Protection Level II Training has now been completed.

Bowling championships go to Weiss and Richter

The competition was considered keen during the recent annual company bowling tournaments.

Charlie Bearhs (D-823) was tournament chairman while Dan Gash (D-347) assisted.

Team Event winners were The Bearhs Bunch and The Az Team. The Bearhs Bunch included Charlie Bearhs, Lynn Overman, Jeff Koehler, Jack Harbert and Randy Pedigo. The Az Team included Jean Ashbaugh, Jean Moorman, Mary Ann Rapp and Alene Weiss.

The Men's Singles Event winner was Cliff White. The Doubles Event winners were Dean Hoover and Carl Munn.

Debbie Blakeman and Phyllis Lallow won the Women's Doubles Event. Alene Weiss grabbed the top spot in the Women's Singles Event.

The All Events winners were Ralph Strickland and Carol Hancock.

The company championship is determined through the Peterson Point System, in which the top 15 men and women bowlers compete (scratch scores). The competitors roll seven games and switch alleys each game. In this "round robin" type of event, a bowler wins a point for each person they beat per game and a point for every 50 pins they knock down.

Normally each year, the lead changes several times during the competition. But in 1991, the winners turned the tables. Each led from start to finish. The Company Champions for 1991 are Alene Weiss and David Richter.

The Employee Activities Committee sponsored these events extended its thanks to Bearhs, Gash, Walt Johnson, Sharon Bailey and all others "who so ably assisted."

"Thanks a million and stay out of the gutter for the rest of 1991!" said EAC Coordinator John Gedeon.

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