

Energy Systems at Portsmouth

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

Volume 5

Piketon, Ohio

February 1990

Number 2

Evaluation notes positive, negative Portsmouth plant rated good for April-September period

In a recent letter to Clyde Hopkins transmitting the Portsmouth plant's Award Fee determination for the April-September rating period, for which the overall rating was "Good," DOE-ORO Manager Joe La Grone included a list of major accomplishments during the period.

- The Portsmouth Plant performed in a leadership role in the Uranium Enrichment Performance Improvement Plan effort.

- Energy Systems continued to provide timely, quality services to the alternate users of the GCEP facilities, provided utilities and performed services for the Defense Logistics Agency.

- The Portsmouth Plant continues to enhance employment opportunities for women, minorities, veterans, and people with disabilities, and Energy Systems has assumed a lead role in promoting handicapped-awareness efforts in the community.

- The program to clean up PCB drips in the process building has improved substantially.

A list of additional areas in which La Grone said that management attention should be increased is being addressed internally. These include:

- Energy Systems' response to correcting deficiencies in RCRA compliance was not satisfactory until a July audit identified continued deficiencies.

- Changes are needed in several safety-related areas, including oversight and supervision in occupational safety and health; enforcement of the "no eating, drinking, or smoking" policy in restricted areas; and various other surveillance and enforcement programs.

- The NQA-1-based quality assurance program is continuing to develop, but it has not yet reached full implementation and requires aggressive action by line organizations.

- The self-assessment report was improved, but additional candor and balance are needed so that it can become "a key element of the Portsmouth baseline against which performance is measured."

Shoemaker becomes Deputy Plant Manager

John E. Shoemaker has been named Deputy Plant Manager of the Portsmouth Gaseous Diffusion Plant. He continues to report to Ralph G. Donnelly, Plant Manager.



Shoemaker

He continues to be responsible for the Maintenance, Production, and Quality & Technical Services divisions and retains program management responsibility for PCB, NPDES, Contamination Control and OSHA compliance programs.

Shoemaker came to the Portsmouth Gaseous Diffusion Plant in February 1988. He began his career at the Oak Ridge Gaseous Diffusion Plant (ORGDP) in 1969 as a Development Engineer. He became a Production Engineer in 1970 and was promoted to Cascade Area Supervisor in 1974. In 1978, he became Superintendent of the Operations Planning Department, holding that position until 1983 when he was named Superintendent of the Cascade Operations Department.

At ORGDP, he became Manager, Pro-



Area news media representatives have been provided with an overview briefing of the past four annual environmental monitoring reports for the Portsmouth Gaseous Diffusion Plant. The first was in 1986, for the 1985 report. Dick Blake, Supervisor, Environmental Control, clarified technical information in the report for calendar 1988 and answered questions for local news media on Jan. 19. Issue of monitoring reports for DOE facilities had been delayed pending review in Washington. The 1989 report is now being drafted.

Environmental report for 1988 released to public and media

Environmental emissions remained under control during 1988, ground water contamination from historical practices remained confined to the site, and remedial action and environmental programs continue to expand.

These are the conclusions of the Port-

smouth Gaseous Diffusion Plant Site Environmental Report for 1988

After an extended review period by personnel of U. S. Department of Energy Headquarters, the report was approved for issue without changes and distributed to local libraries, news media and government agencies in January.

The annual reports describe the environmental protection and monitoring programs and their results and the status of remedial action programs that take place during each calendar year. The 1988 report contained the results of analyses and investigations of more than 100,000 measurements of air, soil, ground water, streams, drinking water, food crops, grasses, fish, refuse, sewage, sediment and sludge samples.

Personnel of Environmental Control, the Portsmouth Enrichment Office of DOE and the Public Relations Department conducted a briefing Jan. 19 to clarify technical information and answer questions for local news media.

1989-In-Review

Pages 4 and 5

Shoemaker is a member of the American Institute of Chemical Engineers and the honorary engineering fraternity, Tau Beta Pi.

He and his wife, Fran, have one son and live near Circleville.

Law Library

By Phillip M. Kannan

(Editor's Note: "Law Library" was submitted by Phillip M. Kannan, assistant general counsel in the Energy Systems Office of General Counsel at Y-12, to provide information about the law or legal matters of interest to Energy Systems employees, either at work or in their private lives. Kannan's area of focus is uranium enrichment activities.)

A law enacted by Congress in 1988 may have impact on Energy Systems

employees. The law, titled "Obstruction of Federal Audit" makes it a felony for anyone, "with intent to deceive or defraud the United States," to attempt to "influence, obstruct or impede a Federal auditor in the performance of official duties." (A Federal auditor is any person employed by or under contract to the United States to perform an audit or quality assurance inspection for or on behalf of the United States.)

Energy Systems has established procedures for making the records under its protection available to the government, and this new law does not alter those procedures. For example, if a Federal auditor or quality assurance inspector asks an Energy Systems employee to see records in his or her custody, the employee is not in violation of this law if he or she informs the auditor that the request must be cleared with Energy Systems management. Such an approach would not be an attempt to deceive or defraud the United States and would not be a violation.

The purpose of the new law is to punish deliberate efforts to falsify records or to conceal information. Such actions are punishable by a fine or imprisonment of up to five years or both.

An Energy Systems employee who is approached for records or information by a person claiming to be a Federal auditor or quality assurance inspector should escort the person to Energy Systems management, who will ensure that the request is authorized. Once authorization has been confirmed, arrangements can be made to have the proper records and information made available. At management request the Office of General Counsel will provide assistance in making these determinations.

Although this law is recent, Energy Systems has long had a policy of making records and information available to authorized government officials to the fullest extent. Such policy has enabled DOE to carry out its oversight responsibilities and will continue to be the practice at all sites managed by Energy Systems for DOE.

Energy Systems sets objectives to display supplier reliability

Four strategic objectives for 1990-1994 concerning uranium enrichment have been identified by Martin Marietta Energy Systems. The uranium enrichment strategic business unit aims at regaining DOE's position as the world's most competitive and reliable provider of enrichment services:

The objectives are:

- 1) Achieve compliance with all federal and state environmental, safety and health laws and regulations.
- 2) Produce gaseous diffusion plant

separative work at less than \$80 per separative work unit (SWU) for the next five years.

3) Provide support to development, demonstration, and deployment of Atomic Vapor Laser Isotope Separation technology.

4) Provide support to DOE in marketing enrichment services and in business management activities, including restructuring UE activities consistent with the potential establishment of a government corporation.

Energy Systems Values

(Editor's Note: The following is the eighth in a series of articles defining the content and intent of the Energy Systems Missions and Values Statement, composed in 1988. Energy Systems President Clyde Hopkins solicits input from employees who wish to add their comments to his own. Comments may be addressed to Charlie Emery, deputy director of Personnel and Organizational Development, at M/S 8015, Building 9704-2, at the Y-12 Plant. Some commentary may be excerpted for publication in Energy Systems at Portsmouth.)

Working Together

- Achieve the participation and involvement of all employees.

In recent years, business, like education, has undergone significant scrutiny to determine the sources of and impediments to excellence.

What has been learned is that excellence exists where individual commitment is high, and that commitment to an organization and its goals arises not because some member of management asks for it and not primarily because an office is nicely decorated or the pay is high.

People become committed to ideas, causes or activities in which they have invested something of themselves.

They value the opportunity to participate in tasks they feel are worthwhile, and they want to learn new things and develop new skills. They seek opportunities to work with minimum input from supervisors, and they appreciate being allowed to demonstrate their mastery of the skills they value.

As we attempt to redefine our working relationships through a focus on our values, we have found that it is not just what the company's managers want to attain from the work force that is important. It is what the individual wants to contribute to the organization that will ensure our future successes.

We have been saying that we want our co-workers to feel valued in the context of their specific work groups and within the company as a whole, that we want them to know their input is important to the organization, and that we want to rid ourselves of the concept that managers are the only ones with voices in this company.

Our performance improvement programs and the total quality management initiative are two ways in which our people have found a means to express their creativity and invest their personal energies to make a difference in how the work is carried out.

In 1989, your efforts to improve operations helped the company to realize about \$40 million in cost avoidances for the year. That is funding we would have had to invest in activities that were less well conceived than the ones you designed or redesigned.

When you sit around the lunch table and explore the possibilities for improving your work processes, you make a contribution to the company that is beyond our ability to measure fully. If you can determine that a task you are performing is weak in concept or efficiency and then come up with ways to make effective changes, you are offering something of great value to this company over and above the enumerated listing of tasks and qualifications found in your job description.



Clyde Hopkins

That kind of commitment is not easy to come by, and it is not easily expressed within the organization.

Our challenges for the future in the arenas of health, safety and the environment and compliance with the standards and regulations that govern our activities demand that we inspire that sort of commitment at all levels of the organization.

The values that we define in terms of our concern for people, our desire to work together, and our pursuit of challenging goals will help us to achieve improved working relationships throughout the company, but we will see those improvements accomplished only through the continued and persistent participation and involvement of all our people.

Retirees

March 1990

Francis A. Crum, Sciotoville, Police Captain, almost 37 years.

Paul W. Mills, Bainbridge, Police Captain, almost 29 years.

George E. Rucker, Sciotoville, Police Captain, 36 years.

Robert L. Smith, Waverly, Maintenance Mechanic 1/C (D-726), 36 years.

William E. Wiehle, Portsmouth, Engineer, Senior (D-104), more than 36 years.

April 1990

Ray R. Echard, Waverly, Carpenter, more than 36 years.

George P. Zoellner, Portsmouth, Superintendent, Policies & Services, almost 37 years.

Rumble becomes Superintendent

Bonnie J. Rumble has been named Superintendent, Project Administration. She reports to Gerald E. McGuire, Manager, Engineering Division.

Rumble came to work at the Portsmouth plant in June 1976 as a staff engineer in Environmental Control. She became Project Manager, Diffusion Plant Project Management, in June 1978, and was promoted to Section Head in November 1980.

Rumble transferred to Gas Centrifuge Enrichment Plant (GCEP) organization's Project Procurement Coordination as Section Head in January 1984, and became Supervisor, GCEP Manufacturing Engineering and Services, in December 1984.

In July 1985, she returned to the diffusion plant's Technical, Chemical and Materials Technology group. She became Supervisor, Project Management, in July 1987.

Rumble was graduated cum laude from Taylor University in 1972 with a bachelor's degree in physics and cum laude from the University of Cincinnati in 1976 with a master's degree in nuclear engineering.

She is a member of the American Nuclear Society and president of the Physics Alumni Foundation of Taylor University. Rumble also is a director of Professional Women in the American Nuclear Society and Christian Career Women.

She and her husband, Randy, live in Sciotoville.

Gamm promoted to Supervisor

Charles E. Gamm has been promoted to Supervisor, Safety Analysis (D-544). He reports to Wayne J. Spetnagel, Superintendent, Laboratory Services & Safety Analysis (D-540).

Gamm came to work at the Portsmouth Gaseous Diffusion Plant in October 1980 as an Engineer in Safety Analysis. He became Engineer, Staff, in February 1983.

Gamm was Manager, Nuclear & System Safety, for Westinghouse Materials Company of Ohio from October 1985 through June 1988.

Gamm returned to the Portsmouth plant in June 1988 as Engineer, Sr., working in the Facility Safety and Safety Analysis groups of Nuclear Criticality Safety.

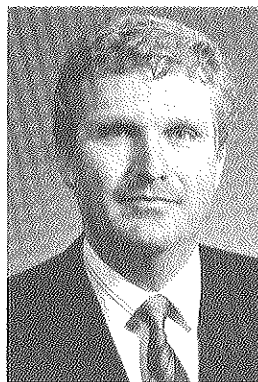
An Army veteran, he was graduated from Iowa State University in 1969 with a bachelor of science degree in engineering operations.

He and his wife, Diana, have one son and live near Chillicothe.

Rumble



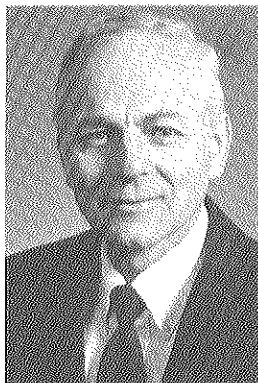
Brooks



D'Aquila



Shelton



Gamm



Kneeland



D'Aquila returns as NCS Supervisor

Donna M. D'Aquila has returned to the Portsmouth Gaseous Diffusion Plant as Supervisor, Nuclear Criticality Safety. She reports to Dave Netzer, Superintendent, Operations Engineering.

D'Aquila alternated co-operative education assignments at Science Applications Inc., Palo Alto, with studies at the University of California from 1979 until 1981. She was graduated from the University of Cincinnati in June 1982 with a bachelor of science degree in nuclear engineering, and subsequently worked at the Portsmouth Gaseous Diffusion Plant from July 1982 until November 1985 as an engineer in Nuclear Criticality Safety.

Kneeland named Executive Assistant

Harold E. Kneeland has been named Executive Assistant to the Plant Manager, reporting to Ralph G. Donnelly.

Kneeland joined the company in May 1988 as a Public Relations Specialist.

He was the Congressional Liaison Officer for the U. S. Department of Energy from 1977 until 1987; Assistant Director for Congressional Relations for the Energy Research & Development Administration from 1975 until 1977; and had various roles with the U. S. Atomic Energy Com-

D'Aquila was a senior engineer for Westinghouse Materials Company of Ohio at the Fernald Feed Materials Production Center from November 1985 until December 1989.

She is a member of the American Nuclear Society's (ANS) Nuclear Criticality Safety Division and its "Professional Women in ANS" standing committee.

D'Aquila is now working toward a master's degree in nuclear engineering at The Ohio State University, where she is a member of its Sigma Alpha Nu honor society.

She and her husband, Jim, continue to live in Cincinnati.

QA Supervisor now Ken Brooks

Kenneth P. Brooks has joined Martin Marietta Energy Systems as Supervisor, Quality Assurance (D-552) at the Portsmouth Gaseous Diffusion Plant. He reports to Kenneth D. Baldwin, Superintendent, Quality Assurance and Control.

Brooks was graduated from Tennessee Technological University in 1971 with a bachelor of science degree in mechanical engineering. In addition, he has completed some graduate work at Austin Peay State University.

His 20-year career with the U. S. Government includes experience in the nuclear power industry with the Tennessee Valley Authority, where he served on the Quality Assurance staff from 1968 to 1980. Most recently, from 1980 through 1989, his experience includes program management in the nuclear weapons program at the Department of Energy's Albuquerque and Oak Ridge Operations offices.

He and his wife, Gail, now live in Chillicothe.

Richard Shelton named Supervisor

Richard T. Shelton has been promoted to Supervisor, Systems Analysis (D-531). He reports to Dave Netzer, Superintendent, Operations Engineering.

Shelton came to work at the Portsmouth Gaseous Diffusion Plant in August 1956 as an Engineer, Jr., in Process Engineering. He became Engineer in January 1961; Staff Engineer in September 1961; Engineer, Sr., in March 1969; and Section Head in June 1977.

A Marine Corps veteran, Shelton was graduated from East Tennessee State College in 1956 with a bachelor of science degree in chemistry.

He and his wife, Mary, have one child and live in Chillicothe.

Progressions & Promotions

Peggy L. Hatten, from Programmer to Systems Analyst (D-447).

Paul E. McGoron, from Chemical Operator to Operations Systems Technologist, Staff (D-823).

William K. (Keith) Vanderpool, from Maintenance Planner (D-812) to Operations Systems Technologist, Staff (D-812).

Bernard T. Sexton, from Fire Protection EMT (D-921) to Operations Systems Technologist, Staff (D-814).

Clyde R. Dulin, from Systems Analyst, Sr. (D-447) to Health Physicist, Sr. (D-102).

Anthony R. Sturgeon, from Technical Assistant II to Scientist I (D-512).

Katherine A. Schultz, from Safety Equipment Technician (D-106) to IHHP Technician (D-102).

Successes and innovations distinguish 1989

Martin Marietta Energy Systems completed its third year as of November 1989 of managing the Portsmouth Gaseous Diffusion Plant for the U.S. Department of Energy (DOE).

In September, the Energy Department extended its contract with Martin Marietta for a six-month period through March 1990 while provisions were being made to integrate the Pike County plant and a similar operation near Paducah, Kentucky, into one management contract.

The plant's operational year included several innovative activities and notable accomplishments.

Production

During fiscal 1989, the Portsmouth plant shipped 12.4 million Separative Work Units, or SWUs, to meet uranium hexafluoride requirements of Energy Department customers. This was a record-breaking shipment and exceeded the fiscal 1988 record by 14 percent.

Personnel

There were 2,242 local citizens working at the plant at the beginning of 1989. The payroll exceeded \$89 million during the year, and employment had reached 2,369 by the end of December.

Power

The plant's power load reached 2,084 megawatts in early October. This was its highest operational level since the mid-1950s. During the fiscal year ending Sept. 30, 1989, the cost of electrical power purchased to supply the plant process system was more than \$225 million. The supplier is Ohio Valley Electric Corporation (OVEC), of Piketon, a consortium of 15 investor-owned electric utilities.

Remedial Action Program

A Consent Decree between DOE and the State of Ohio, confirming steps to be taken to correct environmental concerns at the plant, became effective Aug. 29.

The U.S. EPA and DOE signed an Administrative Consent Order containing similar requirements Oct. 26. The Order became effective Nov. 2.

Environmental Control

The plant changed part of its cooling system corrosion inhibitor from chromates to phosphates, which are more environmentally acceptable, in 1989. Additional conversion is under way.

During the year, plant environmental surveyors took 10,000 samples of air, soil, water, vegetation, and groundwater within a 10-mile radius of the plant. Laboratory personnel conducted more than 100,000 analyses of these samples to insure that the plant's environmental protection measures are effective.

The plant's Environmental Advisory Committee of eight community and educational leaders met twice in 1989. One session included a public meeting conducted

Feb. 9 at the Vern Riffe (Pike County) Joint Vocational School.

Safety

The plant experienced no lost-time workday cases during fiscal 1989.

The plant received an "Honorable Mention" Award from the State of Ohio Governor's Traffic Safety Committee for its 1989 program promoting traffic safety.

Tiger Team Assessment

A U. S. Department of Energy "Tiger Team" conducted a four-week compliance assessment of the Portsmouth plant during October and November. The 29-member team focused on environment, safety, health and management and organization issues. Copies of the Tiger Team Assessment Report were placed in the Pike County, Portsmouth, Chillicothe, Peebles, Greenup County, and Jackson libraries. Martin Marietta continues to finalize its action plan to address the assessment team's findings.

International Overpack Conference

Martin Marietta Energy Systems and the Department of Energy's Portsmouth Enriching Office were the hosts November 14-15 for an international conference on protective uranium cylinder shipping containers, or overpacks. Conference topics were shipping, testing, rejection and refurbishment. Participants came from throughout the United States as well as Japan, Germany, Sweden, England, France and Canada.

Emergency Preparedness

In December, the plant conducted successful operating tests of its public warning siren and public address systems designed to communicate, if needed, with people in the plant's two-mile immediate notification zone.

Several emergency management exercises were conducted during 1989. From the plant's state-of-the-art Emergency Operations Center, management and staff personnel directed emergency procedures. Scenarios included a tornado and an earthquake.

Plant management and the Pike County commissioners signed the Portsmouth Gaseous Diffusion Plant/Pike County Community Response Plan that sets forth the policies and procedures to be followed in response to a hazardous material incident at the Portsmouth facility.

The plant's Emergency Management department helped Pike, Adams, Jackson, Scioto and Lawrence county officials prepare an outline for development of an emergency operation plan. County emergency operation plans are required by Title III of the Superfund Amendment and Reauthorization Act of 1986.

Training

The Oil, Chemical and Atomic Workers International Union and its Labor Institute began conducting a Hazardous Materials

Training Program for plant employees in October. This is the first known cooperative industry/union health protection course that utilizes union members as trainers. About 25 percent of the plant hourly work force had attended this course by the end of the year.

Procurement

Small businesses were granted more than \$19 million of the plant's total procurement contracts, including \$3.7 million to small disadvantaged businesses and \$2.19 million to businesses owned by women.

To identify and develop new suppliers for the Portsmouth facility and to emphasize the importance of expanding contracts with small, small disadvantaged and women-owned businesses, Martin Marietta Energy Systems and other federal contractors sponsored their Fifth Annual Business Opportunity Fair in July.

Based upon the plant's exemplary support of such businesses, Martin Marietta received a "DOE Secretarial Award" for its efforts in fiscal 1989 and was nominated for the "1989 National Corporate Business of the Year Award" by the Columbus Regional Minority Supplier Development Council.

Communications

Cost reduction ideas from 86 plant employees in 1989 from among 70 accepted ideas provided for an estimated first-year savings of \$2-½ million.

Energy Systems conducted a five-site (including the Portsmouth plant) comprehensive employee communication survey designed to give employees an opportunity to express their feelings about their jobs, company policies, work practices, supervision and facilities.

Community Relations

The plant's annual United Way campaign resulted in distribution of more than \$95,000 to local community service organizations. Of this total, \$70,332 was received in cash or pledges from employees. A corporate gift of \$25,000 was added before distribution to local counties.

On behalf of its personnel at the Portsmouth Gaseous Diffusion Plant, the Martin Marietta Corporation Foundation and Martin Marietta Energy Systems gave a total of \$33,650 in miscellaneous charitable contributions in 1989 to local civic, service and cultural awareness organizations.

Regional recipients included the American Red Cross, Ohio Special Olympics, Boy Scouts of America Shawnee Council, Boy Scouts of America Chief Logan Council, Seal of Ohio Girl Scout Council, March of Dimes (for three separate team walk events), the Central Ohio Lions Eye Bank, Recreation Unlimited-Columbus, Marshall University's National Safety Conference and the Engineer's Foundation of Ohio.

The company gave \$2,000 in support of the anti-drug campaign conducted through the "Al Oliver Baseball Clinic" in Waverly. The September "Get on Base, Not on Drugs" clinic targeted 93,000 area youth ages 7-17 from Jackson, Pike, Ross, Adams and Scioto counties.

In Pike County, Martin Marietta also contributed to the Community Action Organization, Pike County Junior Achievement, the Waverly City Bandstand, Vern Riffe Joint Vocational School (tools for underprivileged students), Peb-

(Continued on Page 5)



More than 70 visitors from Japan, Germany, Sweden, England, France, Canada and throughout the United States came to the Portsmouth Gaseous Diffusion Plant in November 1989 to discuss the safe packaging and transportation of uranium hexafluoride by the most commonly used protective shipping container — the 21PF-1 overpack. The nuclear industry-wide conference was sponsored by the Portsmouth Enriching Office of DOE and Martin Marietta Energy Systems. The 21PF-1 overpack is the most common package used to protect the public, the environment and cylinder contents during the transport of enriched uranium hexafluoride.

Many notable accomplishments achieved during calendar year

(Continued from Page 4)

ble Township Volunteer Fire Department, the Pike County Farm Bureau, Piketon High School (weight building) and the Pike Soil and Water Conservation District.

Ross County recipients included the Chillicothe Pump House Art Gallery, Ross County YMCA, Scioto Valley Arts Council (which included Pike County), Ohio University-Chillicothe, Ross County Board of Mental Retardation and NAACP.

In Jackson County, the corporation contributed to the Jackson County YMCA, Southern Hills Arts Council, Lick School's "Positive Addiction Day" drug awareness program, Jackson County Secret Santa and the City of Jackson's heliport project.

Scioto County recipients included Portsmouth Little Theatre, Southern Ohio Museum and Cultural Center, Shawnee State University, Mercy Hospital, Portsmouth Area Arts Council, 14th Street Community Center, the Portsmouth Area Mother's Milk Program, Bloom-Vernon Local School District (laboratory equipment), the Portsmouth Sister City Committee and River Days.

Employees donated 427 total units of blood during two plant visits by the American Red Cross Bloodmobile.

Another star was added to the "Minute Man Flag" at the entrance of the plant's administration building as a result of employee participation achieved during the 1989 U.S. Savings Bonds annual campaign.

During the 1988-89 school year, the plant's Science Demonstration Program and Special Activities Program provided 22 science shows for 3,500 students ranging in age from kindergarten through high school senior. There were also 27 plant employees who served as judges for science fairs at the local, district, and state levels.

The plant's tour program continued to expand in 1989. More than 20 groups of students, ranging in age from grade five to high school seniors, visited the Portsmouth plant.

Honors and Awards

Four members of the Ohio Army National Guard came to the plant in January to present a certificate of appreciation in recognition of the plant's support of the Guard and Reserves.

In May, 23 Portsmouth plant employees were honored for outstanding contributions to the company or the community during the 1989 Martin Marietta Energy Systems Awards Night ceremonies.

Throughout 1989, the plant's protection force sharpshooters team participated in a

number of tournaments, winning several, throughout the United States with other competing teams.

Perfect attendance awards for 1989 were presented to 458 Portsmouth plant employees.

Employee Activities

More than 3,200 employees and retirees and their families toured the site over the weekends of May 20-21 and June 3-4. This activity was designed to acquaint family members with plant buildings and equipment, the work done by Martin Marietta Energy Systems employees, plant health and safety practices, safeguards and security, and programs to protect the environment.

Several events provided for employees and their families during 1989 included the annual 5-K Fitness Fun Run in March, Employee Summer Outing in September, and the Christmas Party in December. This year, more teams and individuals participated in basketball, softball and golf tournaments than in previous years. Plant bowlers participated in weekly leagues and a number of tournaments. First time events included the Fishing Outing and an Easter Egg Hunt. All were coordinated by the Employee Activities Committee.

More than 450 achieve perfect attendance

More than 450 Portsmouth Plant employees will receive the "Award of Excellence" for achieving perfect attendance during 1989.

This award is presented each year to employees who have no chargeable absences during the previous calendar year (excluding vacation, holiday, military or jury duty, and funeral leave).

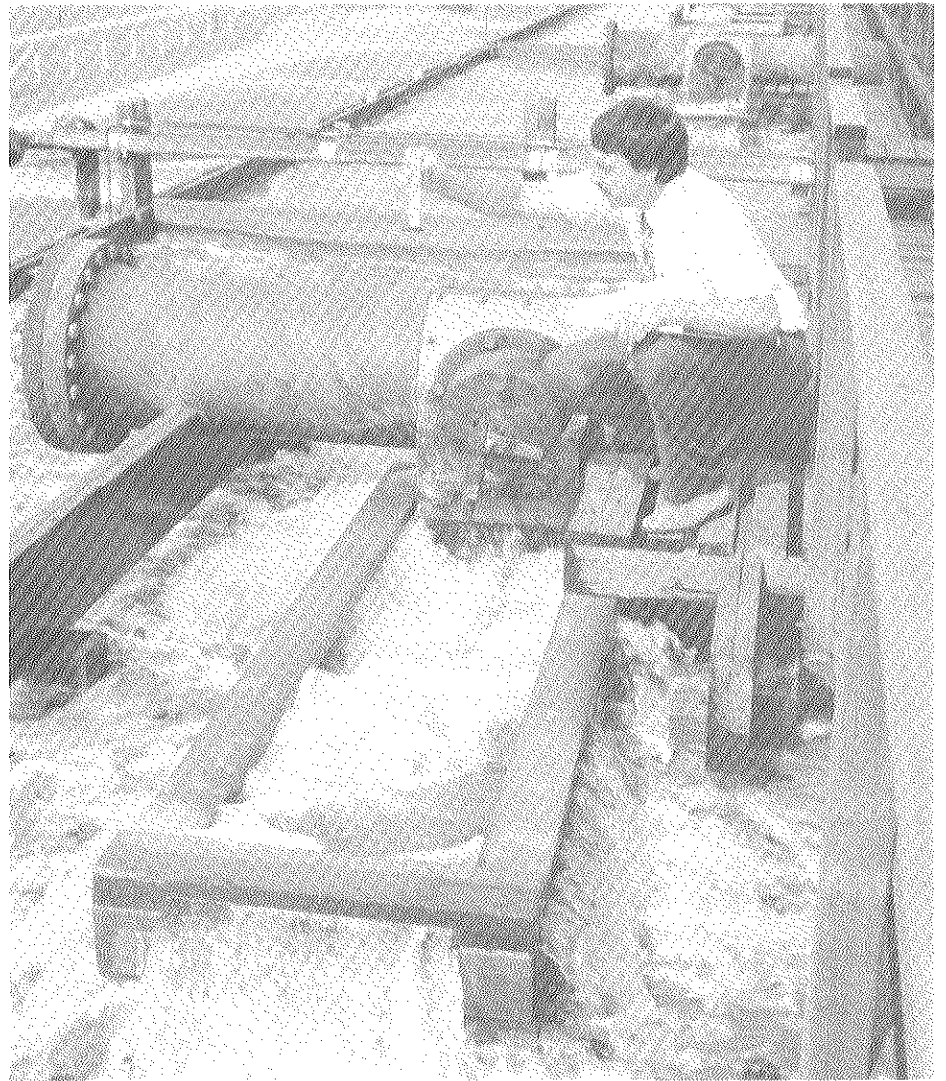
A total of 458 employees, or 20 percent of the plant's total employment figure at the close of the calendar year, will receive the award. This is a slight increase over the 1988 figure of 434 award recipients.

"Maintaining perfect attendance indicates our commitment to be the best," said Ralph Donnelly, plant manager.

The Maintenance Division again led the way in totals with 175, an increase of nine over 1988. Production decreased two from the 1988 figure with 122 awards.

Totals for the remaining divisions are Environment, Safety, and Health, 5; Plant Manager's area and Personnel, 17; Business Services, 33; Quality and Technical Services, 22; Engineering, 8; and Safeguards and Security, 76.

Each of the 458 people at the Portsmouth facility maintaining this standard of excellence in attendance for 1989 will be



Martin Marietta Energy Systems continues to monitor and study the plant's Recirculating Cooling Water (RCW) system as it converts from a chromate-based to a phosphate-based corrosion inhibitor. The conversion began in 1989. Samples are analyzed for phosphate levels, turbidity and disbursement. Phosphate-based inhibitors will provide a more environmentally acceptable means of retarding corrosion in plant cooling water systems.

recognized with a special certificate signed and presented by respective supervision.

There is no concise mathematical formula or numerical standard for use in determining attendance records, but good

attendance influences all work performed, in quality and quantity.

"Everyone at the plant, both hourly and salary, is a vital member of the team and essential to the continued success of our mission," said Donnelly.

"Reach for the Sky"

Editor's Note: Achievement messages are posted throughout the Portsmouth site as part of Martin Marietta's Values implementation plan. Inspirational messages such as this -- the second in a series -- have also been displayed throughout the plant.

What one reaches for can be just as significant as how hard one works to attain a goal. Setting one's sights too low can bring predictable, low results! Reaching, pushing for a high goal can be the springboard to spectacular success!

Some organizations make a habit of setting goals so high that others just shake their heads and say, "Impossible!" Yet these same companies enjoy spectacular success year after year. And these aren't high tech firms on the cutting edge of technology, but companies with very or-

dinary products.

-Take the company that last year reported an amazing \$200 million in pre-tax earnings on \$800 million in sales of their products -- simple plastic bowls (Tupperware).

-Or consider the remarkable record of \$8.6 billion in annual sales pulled in by the company that has "ketchup in its blood" from selling hamburgers (McDonalds).

These American success stories are examples of organizations whose achievements have far surpassed ordinary expectations, in part, because they have set EXTRAordinary expectations! They "reach for the sky" day after day.

So do many of you. And when you do, you're setting the stage for your own greater success, and the success of all of us together.



Joe Tanner, Foreman, and Alvie Viers, Sheet Metal Mechanic 1/C, inspect one of the plant's sheet metal machines during a "walk through" of work areas in the X-720 Maintenance Building. Around the plant, supervisory walk-throughs demonstrate a high level of attention by management to safety, environmental, industrial hygiene, health physics, housekeeping and contamination control. Each division has a walk-through program which was developed specifically to its needs.

Formal management inspection program strengthens commitment to excellence

Strengthened safety, environmental protection, and waste management activities at all Department of Energy production, research and testing facilities is essential to the future of the nuclear industry.

Full adherence and compliance with all federal and state regulatory agency policies and directives will always be the highest priority for all plant employees.

Reviews, inspections and assessments continue, both internally and by external agencies, to insure that we continue this compliance.

Martin Marietta Energy Systems remains committed to providing a safe and healthful environment for all workers at the Portsmouth Gaseous Diffusion Plant.

A result of this commitment is the implementation of a formal and tracked Supervisory Walk-Through Program on Jan. 22. This program visually indicates the high level of attention and oversight by management to safety, the environment, industrial hygiene, health physics, contamination control, and housekeeping issues at the plant.

"This program serves as a foundation for compliance and is a permanent part of operations for each division," said Bill Kouns, the program coordinator.

This program has been in effect on an interim basis since Nov. 2 following the recent Tiger Team assessment and pending the development and approval of the final procedure. It was developed as closely as possible along the guidelines established in INPO Good Practice Document MA-312.

Following are the objectives of the program:

- Visually demonstrate to plant

employees the commitment management has made to ensure compliance with all applicable standards and regulations.

- Improve employee-management communications by providing opportunities for manager, supervisor and employee (both hourly and salary) interaction and participation in the walk-throughs.

- Provide for the timely discovery of deficiencies in safety, environmental, industrial hygiene, health physics, housekeeping and contamination control, enhancing the plant's posture with compliance.

Kouns said that each division is structured differently, and modifications were implemented to provide flexibility within the overall criteria.

Continual monitoring by supervision provides a plantwide approach for continual monitoring of compliance with all material condition, industrial safety, housekeeping, and contamination control standards and regulations.

Serving as division contacts for management are: John Wettstein, Environment, Safety & Health; Gwen Blanton, Personnel; Bob Edling, Business Services; Jim Watson, Engineering; Bill Johnson, Quality & Technical Services; Lisa Parker, Maintenance; Bill Pyles, Production; and LaDonna Johnson, Safeguards & Security. Gregg Peed assists in the program's development, implementation, and management processes.

All employees are encouraged to participate in all aspects of the program. Questions or concerns regarding this program can be referred to respective division contacts.

New Employees

January 22

Thomas J. Howard Jr. and Brian K. Summers, Security Inspector (D-911).

January 29

James R. Arnett and Jewell D. Crouch, Janitor (D-743).

February 1

Elizabeth M. Holley, IHHP Surveyor I (D-102).

Paula A. Rase, Software Engineer (D-512).

Harold G. Bell, Technical Assistant I (D-543).

Ruthie M. Carter, Clerk II (D-332).

Donna M. D'Aquila, Supervisor, Nuclear Criticality Safety (D-532).

February 12

Forest C. Vice and Debbie S. Sisler, Janitor (D-743).

Edmond E. Adams, Instrument Mechanic 1/C (D-712).

Mary L. Reinhardt, Shalonda E. Poore, Barry F. Potts, Donald Nichols, Darrell A. Journey and Alan R. Lute, Chemical Operator-in-Training (D-823).

Richard G. Bobst, Carl E. Lindner, Thomas K. Bennington, Rodney D. Hamilton, Danny E. Williams, Donald A. McCall, Rick Osborne, Brian L. Richard and Sherri J. Williams, Production Process Operator-in-Training (D-810).

Carl W. Davis and Edna B. Miller, Utilities Operator-in-Training (D-832).

Dockie W. Tackett, Danny R. Arnett, Donna J. Howard, Frances L. Collier, Derrick E. Lattimore and Daniel C. Bauer, Uranium Materials Handler-in-Training (D-829).

February 16

Dean A. Difrango, Drafter I (D-621).

Deborah S. Jordan, Clerk II (D-634).

Dexter L. Wolfe, Scientist I (D-532).

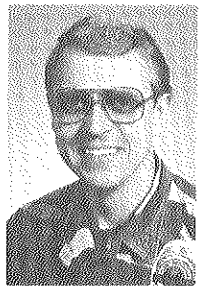
Robert W. Hollcroft, Quality Specialist II (D-552).

Richard V. Bennett Jr., Engineer II (D-611).

Kennedy C. McCall, Accountant II (D-478).



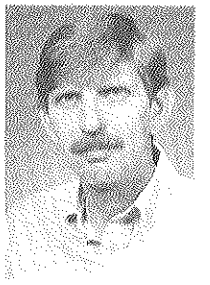
Houser



Burke



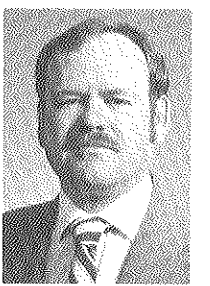
Hutchison



McCreary



Remy



Belford

Promotions

Carl F. Houser has been promoted to Foreman, Maintenance (D-714). He reports to William R. Greer, General Foreman.

Keith R. Burke has been promoted to Police Sergeant (D-911). He reports to Dan Hupp, Supervisor, Plant Protection.

Terry L. McCreary has been promoted to Foreman, Maintenance (D-726). He reports to Thomas L. Lowe, General Foreman.

Robert B. Hutchison has been promoted to General Foreman, Maintenance (D-712). He reports to Walter R. Arnold, Supervisor.

Michael E. Belford has been promoted to Foreman, Maintenance (D-712). He reports to R. L. Hutchison, General Foreman.

Don A. Remy has been promoted to Foreman, Process Area (D-802). He reports to Reed Walters, Supervisor, Production Training.

Obituaries

Teddy W. Lancaster, 63, Jackson, Jan. 12. Lancaster was Foreman, Materials, at the time of his retirement in December 1985.

Grover L. Neal, 67, Beaver, Jan. 24. Husband of Grace Neal (retiree) and father of Kerry Davis (D-103).

Robert T. Glass, 61, Wheelersburg, Feb. 8. Glass was Supervisor, Materials & Service, at the time of his retirement in February 1989. He is survived by his wife, Faye.

MARTIN MARIETTA

Energy Systems at Portsmouth

MARTIN MARIETTA ENERGY SYSTEMS, INC
A subsidiary of Martin Marietta Corporation

Acting under
U.S. Department of Energy
Contract DDE-AC05-76OR00001

Published Monthly in the Interest of Employees of the
MARTIN MARIETTA ENERGY SYSTEMS, INC.
PORTSMOUTH GDP
An Equal Opportunity Employer

PUBLIC RELATIONS
X-100 Building, W/S 1118-A
P. O. Box 628
Piketon, Ohio 45661

Tim L. Matchett Editor

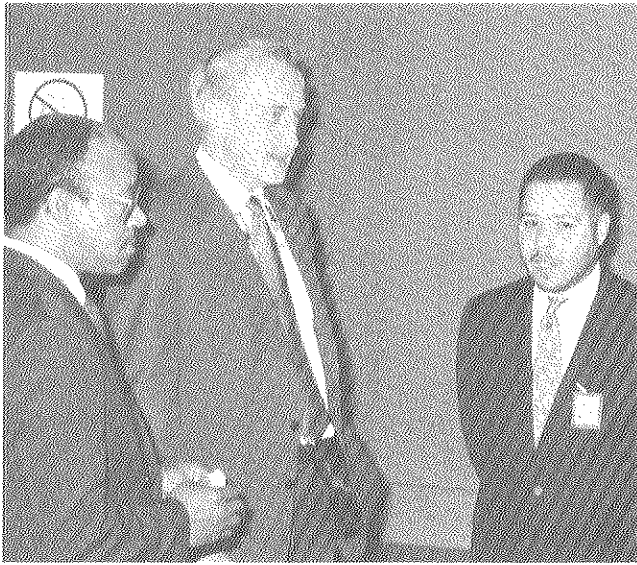
EDITORIAL STAFF

Jane Johnson

Cathy R. Williams

Telephone ... (614) 897-2863

U.S. GOVERNMENT PRINTING OFFICE 748-028/NO. 00007



Rev. Gray speaks to plant employees

The theme of the Dr. Martin Luther King Day commemoration on Jan. 22 was "The Father of Black History, Carter G. Woodson, Living the Legacy." The speaker was Rev. F. Todd Gray (right), former pastor of the New Baptist Church in Chillicothe and former Equal Employment Opportunity director for the City of Chillicothe and now a student at the Union Theology Seminary, Richmond, Virginia. Following his address, Gray continued to discuss Dr. King with Bill Lynch, Technical Assistant III in Uranium Analysis, and Ralph Donnelly, Plant Manager.

Corporation reports increases in sales, earnings and backlog

Martin Marietta Corporation reported 1989 net earnings of \$306,943,000, or \$5.82 per share, which compared with 1988 earnings -- adjusted for comparison purposes for two one-time events -- of \$279.1 million, or \$5.25 per share.

As previously reported, 1988 earnings of \$358,875,000, or \$6.75 per share, are not directly comparable with 1989 because of a \$2.55 per share extraordinary prior-year gain from the sale of a computer service subsidiary and a 1988 reserve for the Commercial Titan program which reduced earnings by \$1.05 per share.

Sales in 1989 were a record \$5,796,182,000, compared with \$5,727,482,000 in 1988. Backlog at year-end, also a record, stood at \$13.4 billion, up from \$11.2 billion at the end of 1988.

Fourth quarter earnings were \$73,524,000 or \$1.41 per share versus

\$23,714,000 or 45 cents a year ago after the above-mentioned fourth-quarter 1988 reserve for the Commercial Titan program. Timing differences in the receipt of award fees and the recognition of program performance improvements benefitted the fourth quarter more in 1988 than in 1989. Sales in the fourth quarter were \$1,623,277,000, compared with \$1,535,140,000 in the same period a year ago.

"The 1989 results include excellent gain in sales and earnings by the Astronautics Group and reflect strong margins in the Electronics & Missiles and Materials groups," said Norman R. Augustine, chairman and chief executive officer. "With a record quality backlog and a diverse portfolio of high-priority national programs, we enter 1990 with continued confidence," Augustine added.

Carolyn Hamilton, Francis Napierkowski, Joseph Tanner and Keith Vanderpool

2 gallons -- Jim Boyce, Julie Thompson, Alva Viers and Terry Williams

1 gallon -- Charles Bearhs, Andrea Davis, Adam Forshey, Hugh Green, Ralph Lemming, Randall Mowery, Arthur Mullins, Regina Rapp, Lisa Snodgrass and Steve Wamsley.

"First Time" donors included Tim Arnold, Wayne Brown, Susan Canter, Doug Davis, Russell Foster, John Lester, Perry Mingus, Kay Moore, Carl Munn Jr., Betty Olson, Barb Pettit, Monte Shewman, Terry Tackett, James Wingo and Mark Williams.

Cathy Williams, coordinator of the Bloodmobile visits to plantsite, extended thanks to the donors and to Employee Activities Committee (EAC) members Dave Adkins, Ron Mount, Doc Overly, Chuck Troncone, Judy Vollrath, Fred Williams and Jim Whitt for providing assistance during this Bloodmobile visit.

January blood drive yields 191 units

A total of 191 usable units of blood were collected during the American Red Cross Bloodmobile visit to the Portsmouth plant January 2-3.

Donors who have reached and/or exceeded gallon milestones are as follows:

11 gallons -- Ray McCoy

7 gallons -- Carl Wheelersburg

6 gallons -- Phil Harmon and Tony Sturgeon

5 gallons -- Alex Alatsis, Bob Childers and Roy Stevens

4 gallons -- Steve Allen, Larry Downard and Ken Willis

3 gallons -- Jimmie Conn, Leesa Fogel,

New Arrivals

Daughter, Rachel Marie, Dec. 25, to Cindy (D-475) and Scot Moore.

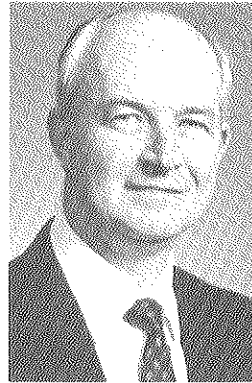
Daughter, Molly Ann, Jan. 3, to Cecil (D-452) and Nita (D-534) McCoy.

Daughter, Amy Renee, Jan. 22, to Sara (D-021 & DOE) and Greg Blume.

McGuire becomes Manager of plant Engineering Division

Gerald E. (Gerry) McGuire has been named Manager, Engineering Division. He reports to Ralph G. Donnelly, plant manager.

McGuire came to work at the Portsmouth plant in September 1969 as a Technical Squadron Trainee. He was



McGuire

assigned to the Engineering Division in March 1970. He became Engineer, Staff, in March 1973, and Engineer, Senior, in December 1975.

McGuire was promoted to Supervisor, Gas Centrifuge Enrichment Plant (GCEP) Project Management in November 1976, and Superintendent, GCEP Project Engineering, in August 1979.

He became Superintendent, Project Administration in July 1986.

McGuire received his bachelor of science degree in civil engineering from the Indiana Institute of Technology in 1969. There, he received the institute's Brauch & Lomb award.

He is a member of the American Concrete Institute and the American Institute of Steel Construction.

He and his wife, Brenda, have two children and live near Beaver.

As Superintendent, Design Engineering Strunk transfers to Portsmouth

William D. Strunk has transferred to the Portsmouth Gaseous Diffusion Plant as Superintendent, Design Engineering. He reports to Gerald E. McGuire, Manager, Engineering Division.



Strunk

Strunk started work at the Oak Ridge Gaseous Diffusion Plant in 1979 as a Staff Engineer in Operations Planning. He became Area Engineer, Production Operations, for Martin Marietta Energy Systems in 1984 and Engineering Specialist and Senior Design Engineer in Mechanical Design in 1985.

Strunk served in co-operative education assignments at the Y-12 plant during his 1972-73 and 1974-75 school years.

He was graduated with a bachelor's degree in 1977 and a master's degree in 1980, both in mechanical engineering and both from Tennessee Technological University.

He and his wife, Dawn, have three children and are now exploring a move to Southern Ohio.

Yates named Payroll Supervisor

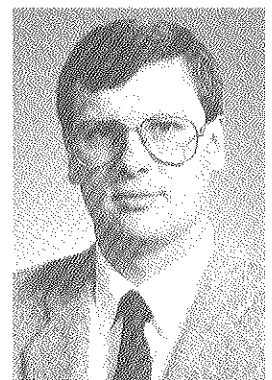
Russell (Rusty) D. Yates Jr. has been promoted to Supervisor, Payroll (D-477). He reports to Ronald E. Parker, Superintendent, Finance Division.

Yates came to work at the Portsmouth plant in November 1984 as an Accountant. He became Staff Accountant in January 1988.

He was graduated from Wilmington College in 1982 with a degree in accounting.

Yates is a member of the American Payroll Association.

He and his wife, Robyn, have two sons and live in Portsmouth.



Yates



THE SURF'S UP

AT *Wyandot Lake*

Adjacent to Columbus Zoo

Wyandot Lake will be the site of the 1990 Summer Outing Saturday, July 14.

There were no open dates earlier than late September at Camden Park. "Wyandot Lake gave us a summer date and has added several additions to its water rides and picnic area," said outing chairman Mike Corbin.

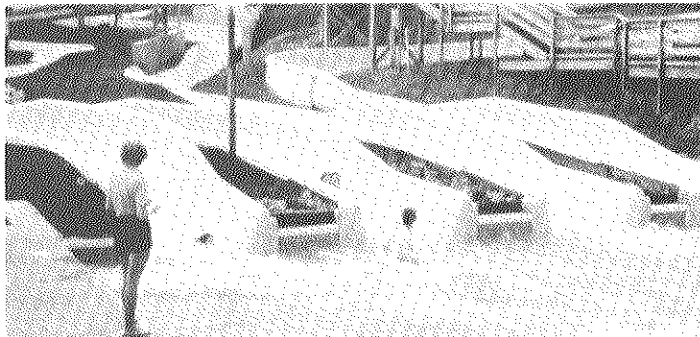
The gates will open at 10:00 a.m. and will not close until 9:00 p.m. Normal admission is \$10.95, but employees and their families will receive an admission ticket for only \$3!

"Wyandot Lake is also providing several special extras," said EAC President Sharon Sexton. "There is free miniature golf that day and picnic baskets will be permitted in our picnic areas."

The ever-popular bingo will be available during the afternoon and great prizes will be won at the Grand Drawing later in the afternoon. Discount tickets will also be available to the adjacent Columbus Zoo.

More details will be mailed to each employee's home well in advance of this event.

Come to
Wyandot
Lake !!



Easter Egg Hunt to be April 14

Hundreds of children will hunt for that "special egg" at the 1990 Easter Egg Hunt on April 14.

"The EAC looks forward to a fun event," chairperson Shirley Walter pointed out. "Last year hundreds of kids braved terrible weather, but found 4,000 eggs in about eight minutes," she laughed. "Let's hope April 14 will be a pretty Spring day."

This event will have something for everyone. Each child will receive a toy and a treat. In addition, three children in each of three age groups will receive a large stuffed animal if they find the "special" prize eggs.

Soft drinks and snacks will be available through the afternoon.

Starting time will be 1 p.m. that Saturday.

Smokey the Bear and at least two costumed characters will make special appearances. Cameras will be permitted at the South Office Building for this event.

"That is not all," Walter added. "There will be a special children's program after the egg hunt. The Fire Department also will display some of its special equipment and other special events might be added."

The Easter Egg Hunt is available for employees' children and grandchildren through age 12. Because of the popularity of this event, the EAC is asking for everyone's cooperation.

Bringing others means overcrowding and could spoil the day for everyone, committee members emphasized.

Christmas at Children's Hospital brighter because of plant people

Patients of the Oncology/Hematology wing of Children's Hospital in Columbus had a brighter holiday season thanks to concern of the personnel from the Business Services Division.

During 1989, the Business Services Division directed donations received as a result of its annual "Christmas In Lieu Of" Program to patients of the cancer wing at Children's Hospital.

The "Christmas In Lieu Of" program enables employees to donate to the hospital in lieu of exchanging Christmas cards.

Contributions received doubled last year's efforts and enabled the Division to provide the hospital with two Nintendos, two televisions, and four Nintendo games in the name of Brian Newton, 12-year-old son of Ken Newton. Brian has spent many hours in Children's Hospital and returns periodically for further treatment.

After Brian suggested that entertainment systems be purchased with the donation, Ken talked with hospital administration and discovered that entertainment funds were very limited.

According to Ken, the children generally receive chemotherapy treatments during the evenings, leaving their days with very little to keep them occupied.

"The purchase of these systems relieved many empty hours for them," he said.

Newton delivered the items to the hospital Dec. 29.

Rosalind Williams, Director, Child Development Services, expressed appreciation to all Business Services employees in a letter to Bob Bush, director.

"December is a special time for all, especially children. Your time and effort reflects genuine concern for our patients especially during the holiday season. Thanks for thinking of the children in the hospital."

SERVICE MILESTONES

35 Years

Richard L. Newvalner

30 Years

Clark W. Robinson, Jr.

25 Years

Randall P. Conley

20 Years

Ralph A. Davis

James R. Hull

15 Years

Robert G. Blackburn

Marvin P. Boehm

Ray F. Bolton

Thomas D. Caldwell

James Cooper

Vernon C. Fitzer

David L. Free

Monte L. Gilliland

James S. Kidder

Steven W. Locke

Thomas J. Long

Larry W. McDowell

Terry N. McKinney

David W. McQuay

Esto R. Miller

George W. Moon

James Mulhern

Randel G. Murphy

James D. O'Dell

Harold R. Ockerman

Billy R. Rider

Alan E. Roberts

Billy R. Ruby

Harold J. Smart

Emery R. Smith

Jackie L. Stevison

Stephen D. Wamsley

James D. Wingo

Brian E. Withrow

Melvin D. Wooten

10 Years

Paul D. Basye, Jr.

Shannon E. Coriell

Henrietta W. Hoard

Clifford A. Maddox

Lynn F. Overman

Cynthia A. Rice

Fred K. Williams

5 Years

Juanita R. Beck

Bonadine Tanner

Pikeeton, Ohio
BULK RATE
U.S. Postage
PAID
Permit No. 11

Martin Marietta Energy Systems, Inc.
P.O. Box 628
Pikeeton, Ohio 45661

Address Correction Requested