

NUCLEAR DIVISION NEWS

A Newspaper for the Employees of the Nuclear Division, Union Carbide Corporation

Volume 14/Number 25 December 15, 1983

UNION
CARBIDE

Will succeed Union Carbide

Martin Marietta selected to operate facilities

The Department of Energy announced December 13 that Martin Marietta Corporation has been selected to succeed Union Carbide as contractor for the four DOE facilities in Oak Ridge and Paducah. Following a three-month transition period to begin January 1, Martin Marietta will assume full responsibility for the management, operation and maintenance of ORGDP, ORNL, PGDP and the Y-12 Plant.

The three-month transition period will provide Martin Marietta with an opportunity to relocate any new personnel to Oak Ridge, prepare any revised procedures required to be in place upon assumption of contract responsibilities, and to complete other administrative matters.

"We respect the professional job done by the Department of Energy in making a selection from the three outstanding organizations that were the final contenders for the contract," Roger F. Hibbs, Nuclear Division President, said following DOE's announcement. "We look forward to working very closely with Martin Marietta during the next three months in effecting a smooth transition."

Martin Marietta Corporation is a diversified manufacturer with principal positions in aerospace, data systems, aluminum, construction materials, magnesia chemicals and refracto-

ries. The corporation's domestic operating facilities, employing most of its 40,000 employees, are located in 27 of the continental United States, Puerto Rico, Canada and the U.S. Virgin Islands. Corporate headquarters, as well as the headquarters of each of the operating companies, is at Bethesda, Md.

Formed in 1961 with the merger of The Martin Company and American-Marietta Company, the corporation today includes four major operating companies:

- Martin Marietta Aerospace is a high technology company involved in the design, development and manufacture of major defense and space systems, with operations at Denver, Orlando, Baltimore and New Orleans.

- Martin Marietta Data Systems, a leader in the information services industry, provides a variety of computing and related services to industry and the government in the United States, Europe, Asia and the Middle East. Its products include general and specialized software packages.

- Martin Marietta Aluminum is a fully integrated mine-to-market producer of aluminum, including primary metal and mill products, with reduction plants in the Pacific Northwest and fabrication facilities in Kentucky and California.

- Martin Marietta Basic Products is a leader in the production of construction materials, magnesia specialties and refractory products.

Union Carbide officials announced in May 1982 that the corporation intended to withdraw as contractor for the facilities. In October of last year, DOE received expressions of interest in operating the installations from more than 50 organizations. The Department's decision to select a single contractor was announced in January, and presolicitation conferences and briefings were held in March, May and June. Seven organizations and one individual submitted proposals for operating the facilities, and the three final contenders — Martin Marietta, Rockwell and Westinghouse — were named by DOE in September.

As the *News* reported in its November 17 issue, a contract extension has been signed with DOE to provide for Union Carbide's management of the four facilities until March 31. The extension also provides for Carbide to staff an administrative office in Oak Ridge from April 1, 1984, through September 30, 1986, to provide for the orderly closeout of Carbide contract affairs not associated with functions taken on by the new contractor.



Employees share memories of holiday gifts



The holiday season is a time for getting together with family and friends, for planning festive meals and parties and for giving and receiving gifts. We asked several Nuclear Division employees to recall the most unforgettable holiday gifts they had ever received. Some of their responses are humorous, some reflect treasured childhood memories and some help us to better understand just what the Christmas season is all about.

Several employees, including **Joan Carrington** and **Brenda Vann** of Administrative Services, remembered holidays when they became engaged and received diamond rings. **Margaret Childs** of the ORGDP Employee Relations Division also received a ring — as an early gift this year. "During the 21 years we've been married, my husband Wayne had often said he was going to buy me a new diamond, but it still came as a total surprise," she said. "He was so excited that he couldn't wait until Christmas and gave it to be three weeks early!"

However, the holiday season doesn't automatically signal the beginning of a romantic relationship. A Y-12 employee, who wished to remain anonymous, explained that her divorce became final one Christmas. "That wasn't exactly a gift, but it was certainly unforgettable," she recalled.

(Please turn to page 5)



Joan Carrington and Brenda Vann

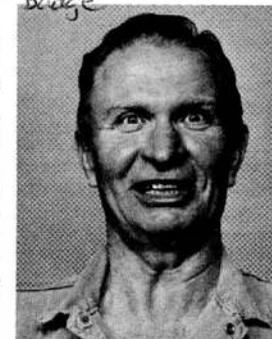


NEW PLANT PROTECTION BUILDING AT ORGDP — Staff members of ORGDP's Security and Plant Protection Division have moved into a new 25,000-square-foot building located south of the old K-25 process building, across from the Central Control Facility. The upper level of the brown brick structure houses the Division's administrative offices; the Fire Protection Engineering and Security Departments; and Badge, Pass and Visitor Control services. The Plant Protection Command Center, Fire Department and Guard Department headquarters and garages for emergency-response vehicles are located on the ground level of the building, which consolidates functions previously housed in two different facilities.

Bill B. Albright dies at state park

Bill B. Albright, a mechanic in the ORGDP Production Maintenance Division, died December 2 while hiking at Frozen Head State Park.

Mr. Albright joined ORGDP in 1944. He also was a minister, serving as pastor of Orchard View Baptist Church in Oliver Springs and several churches in Knox County.



Survivors include his wife, Lillian May **Mr. Albright** Albright of Watt Road, Knoxville; daughters, Pamela Chang of Florida and Belinda Brooks of Knoxville; sons, Edward of Lenoir City and Doug of Knoxville; sister, Juanita Fienthel, Allardt; and four grandchildren.

Funeral services were held in Click's Chapel, Lenoir City. Burial followed at Stoney Point Cemetery in Knox County.



Conserve Energy by Sharing the Ride



ORNL

VAN POOL RIDERS NEEDED (room for two) from West Knoxville (Cedar Springs Shopping Center, Cedar Bluff, Middlebrook Pike, Vanosdale Road, Cloth World, Kingston Pike) to any portal except South, 8-4:30. Leon, plant phone 4-5723; home phone 693-3211.

BUS POOL MEMBERS NEEDED from the Burlington area, Asheville Highway, heading in the direction of I-640, stopping at Broadway and Tazewell Pike. The next stop is Papermill and Weisgarber, then to Cloth World on Kingston Pike. The next stop, via Kingston Pike, is Lovell Heights Shopping Center, then on via Pellissippi Parkway to all portals, 8-4:30. P. R. Long, plant phone 4-4154; or Twana Taylor, 4-7281.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDERS NEEDED from East Knoxville — down Middlebrook Pike, Cedar Bluff and back down Middlebrook Pike to Pellissippi Parkway to East and West Portals, 8-4:30. A. J. Boatwright, plant phone 4-6041; home phone 970-4231.

CAR POOL MEMBERS NEEDED from Louisiana Avenue area, Oak Ridge, to any portal, 8-4:30. Frank Foust, plant phone 4-6056; home phone 483-0350.

CAR POOL MEMBER NEEDED from Campbell Station Road, Farragut, to East Portal, 8-4:30. Mark Goodman, plant phone 6-6712; home phone 966-1793.

BUS POOL RIDERS NEEDED from Maryville via Highway 95, with stops in Lenoir City, Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

CAR POOL MEMBERS NEEDED from Fountain City/Inskip area to East and West Portals, 8-4:30; Rey Berggren, plant phone 4-4468, home phone 687-2941; or R. J. Braatz, plant phone 4-6539; home phone 687-9540.

Y-12

NEED RIDE OR TO JOIN CAR POOL from Tara Hills area, Oak Ridge, to North or Central Portal, 7:30-4 or 8-4:30. Myra, plant phone 4-1577.

NEED TO JOIN OR FORM CAR POOL from Sharp Road/Powell High School area, Powell, to West or Central Portal, 7:30-4. Sherrie Johnson, plant phone 4-2787; home phone 938-5295.

NEED TO JOIN OR FORM CAR POOL from Clinton area to Central Portal, 7:30-4. Debra Taylor, plant phone 4-2296; home phone 457-8288.

NEED RIDE OR TO JOIN CAR POOL from Sweetwater to Central Portal, 8-4:30. Gene Akens, plant phone 4-0236; home phone 337-9755.

NEED RIDE OR TO JOIN VAN POOL from Brookgreen Apartments area, Clinton, to Pine Ridge Portal, 7:30-4. Marilyn Hayden, plant phone 4-3799.

CAR POOL MEMBERS NEEDED from Beaver Ridge United Methodist Church parking lot, Oak Ridge High-

way, to North Portal, 8-4:30. Bob Cooper, plant phone 4-3430; home phone 691-8411.

VAN POOL RIDERS NEEDED from Lake City and Clinton, 8-4:30. Joe Foust, plant phone 4-5889; home phone 426-2947.

BUS POOL RIDERS NEEDED from Knoxville, I-40 at Alcoa Highway (Expo Inn), 8-4:30. Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

CAR POOL MEMBERS NEEDED from Cedar Bluff/Middlebrook Pike area to Bear Creek Portal, 8-4:30. Gerald Russell, plant phone 4-3658; home phone 691-3475.

RIDE NEEDED from Sutter's Mill Apartments area, West Knoxville, to West or Central Portal, 8-4:30. Larry Belle, plant phone 4-3352.

VAN POOL RIDERS NEEDED from Andersonville, Norris, Clinton to any portal, 8-4:30. Charles Knowles, plant phone 4-2628; home phone (Norris) 494-9563.

NEED TO JOIN OR FORM CAR POOL from Cedar Lane area, Knoxville, to Central or North Portal, 8-4:30. George Dykeman, plant phone 6-4927; home phone 687-6657.

THREE RIDERS NEEDED from Harriman/Kingston area to any portal except East, 8-4:30. Bill McKinney, plant phone 4-1283; home phone 882-1827.

NEED TO JOIN OR FORM CAR POOL from Newport area, "H" shift. James McCurry, plant phone 4-1407; home phone 623-4163.

NEED TO SHARE RIDE from Sugar Grove Valley near Holiday Shores to any portal, 8-4:30. J. C. Drewery, home phone 882-8753.

ORGDP

CAR POOL MEMBERS NEEDED from LaFollette, Jacksboro and Lake City area to Portal 5, day shift. Darrell Branam, plant phone 6-0206; home phone 562-1294.

CAR POOL MEMBERS WANTED from Karns Community to Portals 3 or 5, day shift. Tom Lemons, plant phone 4-8159; or Loren Lund, 6-2311.

CAR POOL MEMBERS WANTED from east end of Oak Ridge to any portal, day shift. Doug Janney, plant phone 4-9448; home phone 483-1619.

RIDE NEEDED from Rockwood area to Portal 2, day shift. Mike Garrett, plant phone 4-7903; home phone 354-2348.

CAR POOL MEMBER NEEDED from West Town Mall to Portals 1, 2 or 4, day shift. George, plant phone 6-0506; home phone 690-6856.

RIDE NEEDED from Western Plaza/Sutherland Avenue area, Knoxville, to Portal 2, day shift. Steve Fritts, plant phone 4-7924.

VAN POOL MEMBERS NEEDED from Loudon and Lenoir City to all portals, day shift. Phone 458-5216.

UNION CARBIDE

Nuclear Division News

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PADUCAH
Laura Trevor, Bell 208

Published every other week for employees such as:

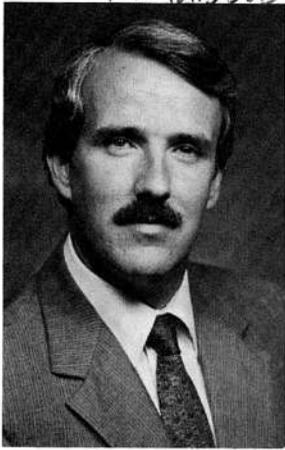
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J. P. Woodard of the Purchasing Division at ORGDP.

4-12 215823

4-12 217299



Craig

Rayside

Craig, Rayside named department heads

Douglas F. Craig and John S. Rayside have been appointed department heads in the Advanced Isotope Separation (AIS) Division at ORGDP, where both will have major roles in the development and demonstration of the Atomic Vapor Laser Isotope Separation (AVLIS) process.

Craig will head the Process Technology Department, which is responsible for core technology development, operation of the materials handling development module, design analysis and balance of plant technology. As head of the Component Technology Department, Rayside's responsibilities will include separator component design technology, instrumentation and controls technology, laser operations, AVLIS computer systems operation and special component-related projects.

Craig is from Chatham, N.J. He received a bachelor's degree from Rutgers University, an MS in ceramic science from Pennsylvania State University and a PhD in materials science from Virginia Polytechnic Institute and State University. He was a member of Keramos and Phi Kappa Phi honorary societies.

After joining the Nuclear Division in 1977, Craig worked first in research and development at Y-12. He began work in the advanced isotope separation program in 1978 and most recently was a materials development group leader.

Craig is a member of the American Ceramic Society and the American Society of Metals. He and his wife, Chris, live on Bexhill Drive in Knoxville. They have two children.

Rayside was born in Quebec and grew up in Montreal. He holds a BS degree from Carleton University (Ottawa) and MS and PhD degrees from the University of Minnesota, all in physics.

Rayside joined the Advanced Isotope Separation staff in the Y-12 Development Division in 1977. His most recent position has been as component technology group leader for the AVLIS program.

He is a member of the Optical Society of America and the Digital Equipment Computer Users' Society.

Rayside and his wife, Nancy, have two sons. They live on Morningside Drive in Oak Ridge.

Collins named division manager

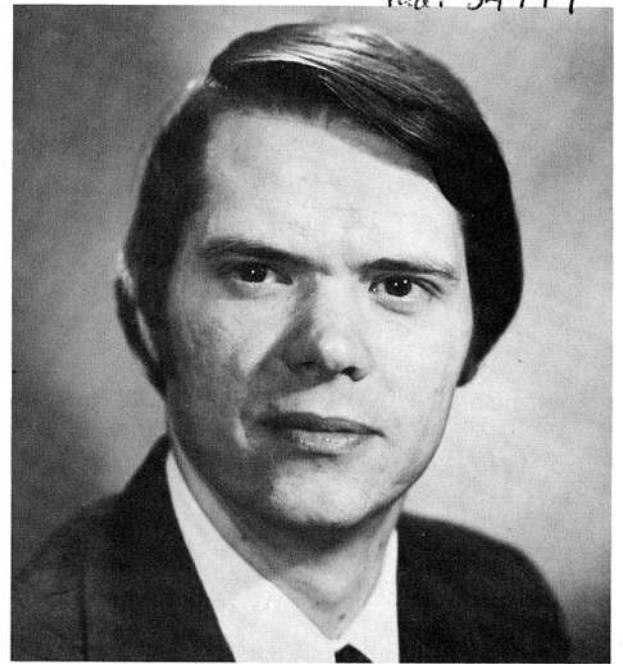
Pad. 54741

Jay M. Collins has been named manager of the Fabrication and Maintenance Division at the Paducah Plant. Collins will replace Robroy Millican, who is retiring after 37 years of service with the Nuclear Division.

In his new position, Collins is responsible for administering all plant fabrication and maintenance services.

Collins joined the Nuclear Division in 1971 as a maintenance engineer. During the past 12 years, he has served as a maintenance supervisor and general supervisor for the Fabrication Shop, as well as a department head for the Fabrication Shop, Electrical and Instrument Maintenance, and Maintenance Engineering. His most recent position was as department superintendent for Electrical, Instrument and Maintenance Engineering.

A native of Dayton, Ohio, Collins earned both his bachelor's and master's degrees at Ohio State University in welding engineering. He is currently working on his master's degree in business at Murray State University.



Jay M. Collins

Collins and his wife, Pamela, have three children. They live at 19 Martin Circle in Paducah.

Organizational changes announced

4-12 217219

K/PH 83-3558



Bryson



McLaughlin

Organizational changes have been announced in the Salary Administration Departments of the Employee Relations Divisions at ORGDP and Y-12. James K. Bryson has been appointed salary administrator at the Y-12 Plant, and B. Wayne McLaughlin succeeds Bryson as ORGDP salary administrator.

Bryson, a native of Chattanooga, received a bachelor's degree in industrial management from Tennessee Technological University. He joined the Y-12 Plant as an engineering aide in 1959 and later worked as maintenance engineer, estimating supervisor and employee relations specialist. Bryson transferred to ORGDP in 1975. Except for a nine-month developmental assignment as head of Personnel/Labor Relations, he has been department superintendent for salary administration in the ORGDP Employee Relations Division since that time.

Bryson and his wife, Gloria, have a son and a daughter. They live on Normandy Road in Oak Ridge.

McLaughlin joined the Nuclear Division as a buyer in the Purchasing Division in 1969. He has held a number of positions at ORGDP, including superintendent of the Barrier Division, Affirmative Action coordinator and Employment Department supervisor. Most recently, he has been superintendent of the

Maintenance Engineering Department, Maintenance Division.

A native of Danville, Va., McLaughlin received a bachelor's degree in business/economics from Johnson C. Smith University, Charlotte, N.C.

McLaughlin, his wife Gwen and their daughter live on Lake Hill Drive in Oak Ridge.

Question Box

Are there plans to reduce deer numbers?

QUESTION: What is the Nuclear Division or DOE doing to reduce the deer population on the Oak Ridge Reservation?

ANSWER: Since 1978, the Tennessee Wildlife Resources Agency has been trapping and removing deer from the Reservation for use in their deer restocking efforts. In six trapping seasons, 154 deer (74 bucks, 80 does) have been removed from the Reservation. The Reservation is not unique in its deer-vehicle problem (nearly 30,000 deer were killed by vehicles in Pennsylvania last year), but the increasing number of deer-vehicle collisions prompted the initiation several years ago of a continuing "public awareness" effort that includes periodic articles in *Nuclear Division News* and the *Oak Ridger* and the installation of "Deer Crossing" warning signs on all Reservation highways.

In December 1982, "wildlife reflectors" were installed on a two-mile stretch of Bethel Valley Road east of ORNL as a test, to see if they would reduce the number of deer-vehicle collisions during night hours. The reflectors, designed to frighten wildlife away from the roadside and back into cover by beaming reflected vehicle headlights away from the road, have not been in use long enough for conclusions to be drawn concerning their effectiveness.



People . . .



Ballard

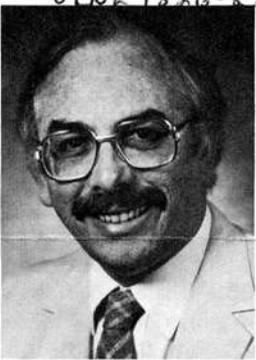


Wooldridge

PGDP employees honored

Two Paducah Plant employees have been honored by local chapters of the Business and Professional Women's Club. Ardyce Ballard, Finance and Materials Division, was chosen as one of this year's "Women of Achievement" by the Paducah chapter, while Pat Wooldridge, Technical Services, was chosen "Boss of the Year" by the Mayfield Emblem Business and Professional Women's Club.

These awards recognize professional women who have made outstanding achievements in their careers and have provided leadership within the community.



Row



Ross

To chair ANS division

Thomas H. Row, director of ORNL's Nuclear Waste Program, has been elected chairman of the Power Division of the American Nuclear Society (ANS) for 1983-84.

Row has served ANS in several capacities and will be technical program chairman for the 1984 National Meeting. He has been a member of the ORNL staff since 1959.

Named fellow of ASNT

William D. Ross, area supervisor in the vendor surveillance section, Procurement Quality Control Department of the Process Support Division at ORGDP, has been elected a fellow of the American Society for Nondestructive Testing (ASNT).

The designation of fellow is conferred on ASNT members who have made "continued significant contributions to the advancement of nondestructive testing and evaluation in areas such as management, engineering, science, education, administration and planning." Ross, a member of the Oak Ridge Chapter of ASNT and the Tennessee Section of the American Society for Quality Control, has worked in non-destructive and other quality-related fields for more than 28 years.

Everyone can help to control increasing costs of health care

(Editor's note: The following article, provided by Union Carbide Corporate Communications, furnishes more information for employees on reducing the high costs of medical care.)

Americans are trying harder than ever to prove that money can buy good health. And while the value of a healthy lifestyle cannot be overstated, the fact remains that billions of dollars are being wasted each year because of a national health "spending spree." The cost of the economy this year is estimated at more than \$360 billion — better than 10 percent of the gross national product.

Spending on health care has more than tripled in the last decade. In fact, Federal outlays for defense are approximately \$150 billion less than the amount the nation spends on health care.

Feeling the impact

Union Carbide and its employees have felt the impact of the sharp increase in the cost of health care. Costs associated with Carbide's plans have increased from \$5 million in 1967 to more than \$80 million this year.

How can health care costs be brought under control? While there is no simple answer to this question, there are some steps everyone can take to stop this upward spiral.

The first, and most obvious step, is to stay fit and healthy. No one should have to be told of the advantages of good health. As Thomas Lincoln, M.D., corporate medical director, wrote in a recent issue of *Union Carbide World*, "there's been a tremendous increase in the awareness that the most productive, enthusiastic workers are those in good physical shape and who feel good about themselves."

Risk factors

Each year, thousands of people eat, drink and smoke their ways to disease and death. Such risks as smoking and excessive eating and drinking obviously should be avoided.

Exercise programs also help reduce risk, and those who exercise regularly often find that such programs help more than the heart and lungs. They can help them lose weight without strict dieting, help relieve stress and have a definite restraining effect on harmful habits.

There are other actions that can be taken to help hold down health-care costs, including:

- Get a second opinion before agreeing to a hospital stay. As many as 40 percent of hospital stays have been found to be unnecessary. Many procedures can be performed on an out-patient basis — in a physician's office or at ambulatory centers that offer quick, low-cost surgery.

- Treat illnesses early. If treatment is delayed, an illness may become more serious and treatment more expensive.
- Have laboratory tests done before entering the hospital. Tests done by independent laboratories often are less expensive. Pre-admission testing also saves additional room and board charges.

- Compare prescription drug prices. With your physician's approval, purchase medication in the less-expensive generic form when possible.

- Discuss fees before treatment to avoid financial surprises. If a fee seems unreasonably high, find out what other physicians in the area are charging for the same service.

- Check bills carefully. Have your bills itemized and be sure you are charged only for services received.

- Avoid emergency room treatment unless there is a real emergency. People frequently use emergency room service because it is "convenient," but it also is expensive. Contact your physician or a local clinic for those problems that are less serious.

Good judgment and common sense can contain health care costs. However, the effort must be ongoing. Everyone should feel a responsibility to help bring costs under control and keep them there.

Thompson named to new position at Paducah

William E. Thompson has been named assistant manager of the Employee Relations Division at the Paducah Plant. In his new position, he will report to Division Manager Art Edwards.

As assistant manager, Thompson is responsible for the administration of health, safety and environmental affairs, as well as employment, labor relations, benefit plans, wage and salary, and local public relations activities at the Paducah Plant.

Thompson joined the Nuclear Division in 1970 as building engineer for PGDP Cascade Operations. He also has served as building supervisor, assistant general supervisor and

section head of production planning. In 1978, he was named shift superintendent coordinator, and he later served as Shift Operations and Plant Protection Division manager. His most recent position was as an Employee Relations department supervisor.

A native of Paducah, Thompson received his bachelor's degree in chemical engineering from the University of Kentucky. He is currently working on his master's degree in business at Murray State University.

He and his wife, Brenda, have two sons. They live on Lutes Road in Paducah.



Thompson

Patent granted . . .

James C. Mailen, Karen E. Pannell and Othar K. Tallent, all of ORNL, "Method for Cleaning Solution Used in Nuclear Fuel Reprocessing."

Division employees tell of memorable holiday gifts

(Continued from page 1)

ORNL 7985-83

Other employees had happier memories. **Pam Whinnery**, Paducah Technical Services, told of a Christmas during her childhood when she saw a beautiful bride doll in the country store near her home. "It seemed the most wonderful doll ever," she said, "but to get it you had to purchase a certain amount of groceries before Christmas. Mother said we could not possibly do it but told me not to worry because Santa would bring a nice doll. I still didn't give up hope, however, until Christmas morning when there was no doll under the tree.

"Later, though, we went to my grandmother's house for dinner, and there was my beautiful doll. My grandmother had bought the necessary groceries and said she had told Santa to leave the doll at her house. It was the best Christmas ever," Whinnery said.



Steve Fritts of the ORGDP Finance, Materials and Services Division said that the most unusual gift he ever received was a pet rock. "My wife gave it to me because she knew I wanted a pet, but 'live' ones were not allowed in our apartment. My pet rock came with its own home, feeding instructions and insurance policy," he explained.

Anne Travis of the ORNL Information Division remembered a special gift that became a holiday symbol to her family. "When I was eight years old, I went with my family to Nashville's Centennial Park to view the large, lighted manger scene featured there each Christmas," Travis recalled. "A little boy about five years old asked my father to buy a Christmas decoration — a star made of folded waxed paper — that he had made. Although it was very cold, the child had on only a sweater and was wearing an old pair of shoes that were obviously several sizes too large. My father bought the star, and we hung it on our tree at home. Today, some 22 years later, my family still hangs it on their tree, and each year we remember that child struggling in the cold trying to earn money. It makes us so thankful for our many blessings," she said.



"Probably the most unforgettable gift I received was a red wagon Santa Claus brought me when I was seven years old," recalled **Marvin Wade** of the PGDP Power, Utilities and Chemical Department. "When I was a child, we didn't get as much as most kids do today. We usually just got candy and maybe one big toy. So that wagon was really a big deal to me — I played with it until I wore it out."



Ethel Brown



Howard Clower

Linda Croff of ORNL's Environmental Sciences Division remembered a unique gift given to "a special member" of her family. "For a week before Christmas, our dog Sunday would sit under our tree and look at us and then at the gifts she knew we had placed there for her," Croff said. "Occasionally I would catch her digging through the presents, but she was told she would have to wait until Christmas. She finally opened her gifts, shredding paper everywhere, and I remember her favorite — a golf cap sent from Palm Springs."

Ethel Brown of the ORGDP Separation Systems Division said, "Just being with my family at Christmas time has always meant as much as any gift to me. In addition, this year I'll get to see a very special person whom I haven't seen in quite some time. I'm really excited about that," she said.

Howard Clower of the ORNL Plant and Equipment Division said that he has always believed in the old adage, "It's better to give than to receive." So, for a Christmas gift in 1977, Clower exclaimed, "I gave myself a brand new blue Camero!"

"I once received a wonderful present from my twin sister," recalled **Kathy Spence** of the Engineering organization at ORGDP. "She presented me with a twin niece and nephew, Ashley and Jeremy. They were definitely an unforgettable Christmas gift for me," she said.



Beverly Adams of the Y-12 Employee Relations Division said that "no particular gift stands out in my mind. All the gifts I have received have been special, because they were given in love. To me, that's the true meaning of Christmas."

Bob Martin, ORNL Energy Division, remembered a special and "well-disguised" gift he received from his father. "When I was eight, I asked Santa for a knife that was the ultimate in gadgetry, equipped with four blades, scissors, a fish scaler and screw driver. To surprise me, my father wrapped it in about eight boxes weighted with bricks. On Christmas morning, I remember having to unwrap each box and remove all the bricks before uncovering the knife. I still have it today, 30 years later," Martin said.

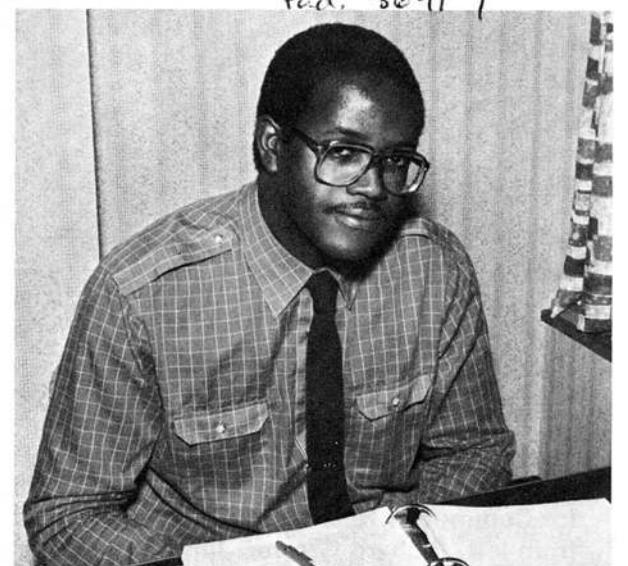
Jesse Calhoun, PGDP Electrical Maintenance, recalled a gift from his childhood. "One year, my mother gave me an electric racing car set that I had been bugging her about all year. When I got up

Christmas morning, it was set up by the tree, in a figure eight, and it looked really nice. I sat down to turn it on, though, and it didn't work. It was broken, and for some reason, my mother never replaced it. She bought me something else, but, in my child's mind, it could never replace the racing set," he said.



Jan Lovelace of ORNL's Finance and Materials Division believes the best holiday gift she's ever received had no material value but has continued to lift her spirits many times during the past 23 Christmases. "In 1961, my son became critically ill in mid-December, and thoughts of Christmas trees and Santa Claus were far away," she recalled. "We were told that he would not live if his 106-degree fever continued. He was packed in ice and given oxygen and antibiotics while we all prayed, cried and walked the hospital halls. Two days later, on Christmas Eve, we received our gift, learning that the fever had broken and he had a chance to live. Doctors told us, however, that there was a chance of brain damage, but there was no evidence of any as our son grew older. So my Christmas gift has been renewed through the years as I have watched my son, who lay so close to death, graduate from college at the top of his class and become an engineer and investment counselor," Lovelace explained.

Pad. 8641 1



Jesse Calhoun



SUCCESSFUL IN CORPORATE GAMES — Carbide Team 1 was among three Nuclear Division groups participating in the recent 1983 Corporate Games at UT's Tom Black Track. The team took first place in the 5k Road Race, Distance Relay and Co-ed Relay; second in the Pyramid Relay; and third in the President's Relay. Members of Team 1 include, front row from left, Dean Waters, Wendy Williams, Jane Edwards and Sandra Davis. On the back row are William Lawkins, Rick Alderfer, Bob Merriman, Steve Mays, Jeff Christian and Keith Kahl. Not pictured are Marshall Adams and Gunar Liepins.



UCC TEAM 2 — Union Carbide Team 2 also participated in the Corporate Games, capturing third-place awards in the Pyramid Relay and Co-ed Relay. The games, which included participants from several major area businesses, were held at the University of Tennessee. Team 2 members include, front row from left, Brian Worley, Peggy Kitchings, Jan Coe, Sharon McConathy, Mike Carroll and Richard McKinney. On the back row are Doug Kitchen, Matt Kelleher, George Reece, J. W. Steele and Patrick Mulholland. Darryl Downing is not pictured.



MORE GAMES PARTICIPANTS — Union Carbide Team 3 took third place in both the Sprint Relay and Distance Relay in the recent Corporate Games. The event was sponsored by the Center for Community Health, Fort Sanders Regional Medical Center. Team 3 members are, front row from left, Richard Greene, Jim Miller, Betty Preston, Shelby Morton, Derek Bowman and Gus Aramayo. On the back row are Clyde Hopkins, Herman Postma, Charles Garren, Finis Patton and John Yarbrough. Bernadette Kirk is not pictured.

Nuclear Division bowling highlights

ORGDP Women's...

The Spotters lead the ORGDP Women's League, followed by the Woodbees and Mousechasers. Recent individual highs were rolled by Marie Hickson, 195 scratch game, 239 handicap game; Carolyn Gooch, 513 scratch series; and Donna Bell, 667 handicap series. Bell also was named "Bowler of the Week."

Union Carbide Monday Mixed...

The Pacesetters continue to hold the lead in the Union Carbide Monday Mixed League, ahead of the Whoevers and Charlie's Angels. Individual highs were posted by Charles Davis, 271 handicap game; Ernie Wilkerson, 647 handicap series; and Mary Johnson, 246/624 handicap game and series.

KYX Monday Men's...

The Dynamics still lead the KYX Monday Men's League, trailed by the Hi Rollers and Limits. Individual scoring honors are held by Roger Barnett, 288 handicap game; and Dave Cardwell, 721 handicap series.

Y-12 Classic...

The Has Beens own sole possession of first place in the Y-12 Classic League, followed by Pendulum and the Ridgers. Weekly high scorers included John Burke, 257 handicap game; and Herman Stewart, 684 handicap series. The Smelters rolled a team high series of 3086.

K-25 Tuesday...

Recent high scorers in the K-25 Tuesday League include L. R. Moore, 231/568 scratch game and series; G. Sanders, 249 handicap game; and W. R. Gollither, 625 handicap series. The City Slickers still lead the team standings, followed by the Road Runners.

Carbide Wednesday Men's...

The Planners held on to the lead in the Carbide Wednesday Men's League, trailed by the Alley Rads and ???'s. Weekly prize winners included Don Carpenter, 255 handicap game; and Wayne Bryan, 688 handicap series.

UCC Mixed...

The No-Names still hold the top spot in the UCC Mixed League, ahead of the Pacesetters and Gutter Dusters. Individual leaders are Bob Adams, 274 game; Ken Hall, 690 series; and Ellen Queener, 281/709 game and series.

Paducah Plant announces fishing contest winners

Recent winners in the PGDP fishing competition are:

Catfish — Frank Smith, Melvin Ballard and Gary Long.

Striped bass — Gary Long, Ben Long and Joel Long.

Black bass — Cletus Bell, Mary Emery and Bill Henderson.

Crappie — Frank Cage.

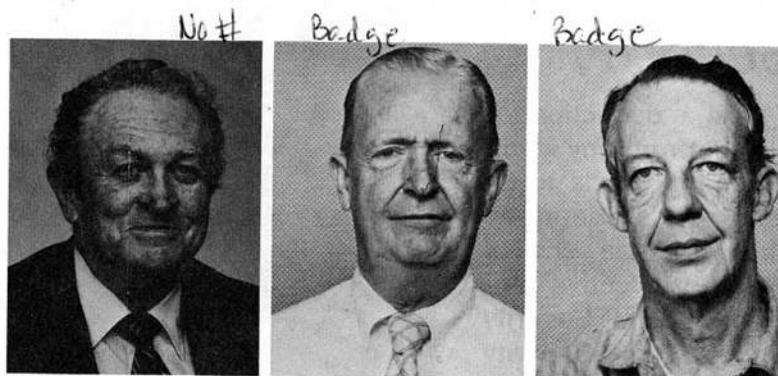
Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
June 83	23.7030	69.6135	17.6662
July 83	23.9054	67.1967	17.2687
August 83	24.1007	66.6184	17.6666
September 83	24.3239	68.5022	17.6235
October 83	24.5185	65.6839	17.5369

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 10.25% for 1983. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Recent Retirements

(Most of these employees will be retiring December 31.)



William W. Smith
Maintenance
Y-12
30 years service

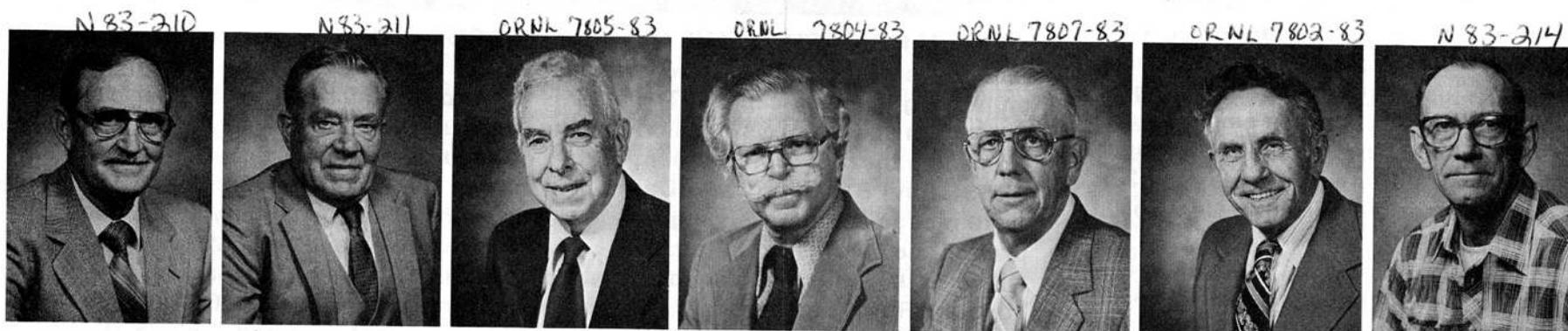
Norman S. Ponte
Fusion Energy
ORNL
8 years service

Charles C. Tenpenny
Fabrication
Y-12
29 years service

Harold V. Craft
Maintenance
Y-12
36 years service

D. C. Morrison
Industrial Engineering
Y-12
31 years service

Herman Dyer
Metal Preparation
Y-12
28 years service



Lonnie L. Bailey
Fabrication
Y-12
35 years service

Edwin R. Robinson
Maintenance
Y-12
32 years service

Franklin T. Binford
Operations
ORNL
35 years service

Richard H. Busey
Chemistry
ORNL
30 years service

James W. Calvert
Plant and Equipment
ORNL
32 years service

Edmond C. Fearnow
Analytical Chemistry
ORNL
31 years service

Garnett W. Johnson
Metal Preparation
Y-12
32 years service



Richard E. Sladky
Development
Y-12
32 years service

Alvin E. Hendrickson
Industrial Engineering
Y-12
33 years service

Boyd H. Hobby Jr.
Fabrication
Y-12
33 years service

John W. Boyle Jr.
Energy
ORNL
40 years service

Hershel B. Stevens
Maintenance
Y-12
23 years service

Clyde D. Martin
Instrumentation
and Controls
ORNL
23 years service

Lendon Daugherty
Maintenance
Y-12
30 years service

Decorating safety tips for a happy holiday season

The following tips were provided by the Y-12 Safety Department to help all employees enjoy a safe and happy holiday season.

Selecting a Christmas tree. Look for a brightly colored tree with an intense pine smell. Shake it. The needles shouldn't fall and they shouldn't snap in two when bent.

Caring for a tree. Store it outside. When ready to bring it indoors, cut two inches off the base diagonally and place the tree in a sturdy stand filled with water. Check the water level daily and use the chemical packets that often come with trees to enhance freshness and fire resistance.

Selecting and using an artificial tree. Aluminum trees conduct electricity and can become charged. **Never** decorate with strings of lights — shine a spotlight on the tree instead. Plastic and metalized plastic trees should be labeled "Non-Flammable," and those with built-in electrical systems should carry the U.L. label.

Lighting the tree. Buy only U.L.-approved lighting sets. Test them by placing on a non-flammable surface and plugging them in one string at a time for 15 minutes. Watch for smoke and defective parts. Always unplug

before making repairs — even to change a bulb. Keep the switch or outlet several feet away from the tree in case of sparks.

Discard cracked and loose plugs — they are fire hazards. Bent prongs may be straightened if the body of the plug is whole. Trim stray hair-like strands of wire that stick out between bulb and base. Replace any lighting sets that have broken bulb bases — they won't properly insulate the bulb and its wire.

Every socket should contain a bulb intended for use with that set. Bulbs that don't light may be loose (tighten them) or dead (replace them). To remove a bulb from the socket, pull it straight out from the base, making sure that the flat metal contacts in the base are secure — discard the set if they are not. Be sure no more than three sets are plugged into one extension cord.

Decorating safely. If there are small children around, eliminate popcorn strings and tiny candy-like bulbs and place breakable ornaments out of reach. Keep tinsel off sockets and wire out of the tree's water pan. Use only non-flammable decorations on the tree (never candles) and keep bulbs from resting on branches. Turn off tree lights before

going to bed or leaving home.

Fireplace safety. Never use a fireplace to burn wrapping paper or evergreens. A screen should be used at all times and the chimney should be cleared of soot deposits periodically to ensure proper draft. Keep colored fire salts away from children and keep a fire extinguisher handy. Be sure to place the tree and all decorations a safe distance away from the fireplace.

UT-Oak Ridge program schedules registration

Winter registration for the University of Tennessee Oak Ridge Graduate program will be held January 3 and 4 from noon to 4:45 p.m. at the program office at 246 Laboratory Road. Graduate courses in accounting, economics, management, statistics, public health, engineering, computer science, mathematics and physics will be offered.

For more information on the program or courses, call the UT-Oak Ridge office at 576-3429.

Deduction to be made for Social Security

Effective January 1, 1984, a deduction for Social Security will be made from any layoff allowance, including payments made to an employee when he or she retires. Therefore, employees who terminate at the end of December 1983 for retirement effective January 1, 1984, will have Social Security (F.I.C.A.) deductions (up to the Social Security maximum) made from their termination allowance checks.

Although this change will require the payment of F.I.C.A. tax, it has the advantage of adding another earnings year to the base upon which the Social Security benefit is computed. This may result in a higher monthly payment for both the employee and his or her spouse. Payment of the allowance would not disqualify any employee age 62 or over from immediate eligibility for Social Security benefits.

Also effective January 1, 1984, the maximum amount of earnings subject to Social Security tax will increase to \$37,800, from \$35,700 in 1983. The effective tax rate for employees will remain at 6.7 percent for 1984 due to a one-time tax credit of 0.3 percent of covered wages against 1984 employee taxes. The rate for employers will rise to 7 percent.

Harry McNabb named process supervisor

Harry O. McNabb of the Operations Division at ORNL has been promoted to process supervisor for the Fission Products Development Laboratory.



McNabb

McNabb, a native of Loudon, joined ORNL's Laboratory Protection Division in 1948.

He and his wife, Elsie, reside at 139 Arkansas Avenue, Oak Ridge. They have a daughter.

Patent granted . . .

Thomas G. Matthews, ORNL, "Multiple-Reflection Optical Gas Cell."



ORNL HANDICAPPED EMPLOYMENT AWARDS — ORNL's Affirmative Action Office recently presented awards to three groups in recognition of outstanding efforts in employing the handicapped. The awards went to the Finance and Materials and Instrumentation and Controls Division and the Computer Sciences organization at ORNL for exceeding the basic commitment to hire and accommodate handicapped persons during 1983. John B. Murphy and Dan C. Tuxbury of the Employee Relations Division also were recognized for assisting the groups in hiring severely handicapped persons. Displaying the awards, from left, are: E. Kaye Johnson, Finance and Materials; Robert H. Dilworth III, Central Management; Murphy; Marilyn A. Marshall, Finance and Materials; Tuxbury; Ray K. Adams, Instrumentation and Controls; and Barbara G. Ashdown, ORNL Affirmative Action coordinator. Award recipients not pictured include Richard D. McCulloch and S. Leon Yount, Computer Sciences; and Charles Mossman, Instrumentation and Controls.

Company Service Anniversaries



Robert G. Jordan
Nuclear Division Health,
Safety and Environmental
Affairs
40 years



Joseph E. Mann
Physics
ORNL
40 years

ORNL

30 YEARS

Carolyn B. Coleman, Central Management.

25 YEARS

Nat D. Morrell, Wilby A. Plunkett and Jess W. Raper.

20 YEARS

Lee D. Hunt.

Y-12

30 YEARS

Don McMurray, Finance, Materials and Services; Elijah G. Smith, Quality Division; Walter M. Williams Jr., Maintenance; and Emogene B. Griffin, Product Certification.

25 YEARS

John D. Goad.

PADUCAH

30 YEARS

Elbert M. Steinbeck, Operations.

20 YEARS

Frank G. Sturgill.



Next issue . . .

Because of the Christmas holidays, the deadline for the next issue of *Nuclear Division News* is Monday, December 19. The issue will be dated December 29.

Safety Scoreboard

SAFETY TIP: Make sure your car is ready for winter. Have your brakes and battery checked and replace them, if necessary.

Time worked without a lost-time accident through December 8:

Y-12 Plant	25 Days	914,000 Employee-Hours
ORGDP	206 Days	4,450,000 Employee-Hours
ORNL	134 Days	2,935,975 Employee-Hours
Paducah	1,227 Days	9,573,435 Employee-Hours

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