

Nuclear Division News

• Vol. 13 No. 26 • December 23, 1982

N 82-389



Y-12 rolls up its sleeves in style
(Additional pictures on page 8)

1939 units of blood contributed as Y-12 breaks plants' records

Even with the approaching holidays, the community blood bank in the East Tennessee area is assured of an ample supply of blood, thanks to the generosity of Y-12ers. A total of 1,939 units of blood was collected in the recent four-day drive. This total exceeded the hopes of divisional representatives and officials of Medic, suppliers of blood in the area.

Jim Nook, Maintenance Division, released figures for the drive, showing 564, 612, 438 and 325 units collected daily. The total of 612 units drawn on the second day of the drive is believed to have set an all-time record. "What impressed me most," Nook said, "was not the numbers we got, which were tremendous, but the spirit in which each person gave. It seemed that each donor felt it a privilege to give."

He expressed special thanks to the division leaders, to Sharon Forrester, who did the scheduling, and to the large numbers of Nuclear Division retirees who assisted in the drive. The retired employees were brought in by Emmett Moore. "Without them we couldn't have done it," Nook added. One retiree, Harry Francke, brought a doctor's certificate with him and gave blood himself in between his duties at the registration desk.

Medic will return to ORNL in February for the second Laboratory drive.

Family coverage is assured every employee in the Oak Ridge facilities, Medic officials point out, whether that employee has given blood or not. "Just inform the hospital when the need arises," they explained, "and have some member of the family call Medic and no fee will be assessed." This coverage is intended for employees and all IRS dependents. (Paducah employees are covered

through the American Red Cross blood program, centered in Nashville.)

With the resumption of drives in the plants, Oak Ridgers have already contributed 4,472 pints of blood this year.

Plans for the 1983 drives will be announced shortly, providing anyone who was not contacted with an opportunity to give, as well as giving a second chance to the nearly 5,000 employees who donated in the initial drives.

Paducah drive

The Red Cross bloodmobile will collect blood donations at the Paducah Plant December 29 and 30. The holiday season is a difficult time for blood banks everywhere. Because of the rush, the number of donations decrease, but the need for blood doesn't. All Paducah employees are encouraged to stop by Building C-730 and roll up their sleeves. It only takes a minute, but it can be worth a lifetime.



Y-12 employees receive 'awards of excellence'

Six teams of Y-12 Plant employees have received DOE "awards of excellence" for making significant contributions to the nation's nuclear weapons program.

The awards, presented as part of the "weapons complex recognition program," were established in 1981 by Maj. Gen. William W. Hoover, director of Military Application. They are designed to recognize "federal and contractor employees below the management level whose identifiable and significant achievements have provided increased quality, productivity and/or creativity in support of the weapons program."

General Hoover presented the awards to 34 engineers, chemists, craftsmen and other technical support personnel during a ceremony at the Y-12 Plant on December 13. Y-12 employees also received six awards last year.

Award recipients and the contributions for which they were recognized are listed below:

- Joe H. Hamilton, George F. Larson, Ruby A. Viator, Frieda D. Waldrop and Lewis E. White, Y-12 Plant Laboratory, for developing an automated sample analyzer for the inductively coupled plasma spectrometer. This development reduced the turnaround time for analyzing major weapons material from 15 to 3-5 days; improved scheduling and control of costly in-process inventories of these materials; and helped provide quality assurance integrity of major materials streams in the plant.

- James W. Baker, Vincent E. Broadway, William C. Gheen, George A. Gregory, Charles F. Lyons, Leo L. Murray and James F. Vance, Fabrication Division, for designing special milling cutters for match-drilled subassemblies. Through modification of a grinding process, this project team was able to reduce the time required to grind mill ends by eliminating an entire setup, produce mills superior in sharpness and consistency to those ground by the original method and thereby effect an anticipated cost savings of \$350,000 during fiscal year 1982.

- John P. Allen, Lamar R. Benker, Dayton W. Brandon, Sherman O. Bryant, Robert W. Cagle, Chester E. Crowe, George R. Ferguson, George A. Grider, William L. Renfro, Roy K. Sharp and Thomas S. Sparks, Fabrication Division, for inventory management in enriched uranium machining area. These participants in one of the Y-12 Pride Circles devised a new inventory control method which reduced the potential for criticality safety violations,



Gen. William W. Hoover

improved communications between the workers, and resulted in an estimated savings of \$70,000 per/year.

- Myron E. Bagwell, Willie L. Duke and LaRoy S. Nabors, Fabrication Division, and Layton N. Howell Jr., Product Engineering Division, for a new design and manufacturing method for a component of a weapons system. This project team developed a simplified design and determined an innovative method for fabricating an important weapon component. Their prompt action in procuring the needed equipment and manufacturing and testing the part so its design could be incorporated into the program's schedule resulted in a cost savings of several million dollars. William R. Bish and Lowell W. Black, Lawrence Livermore National Laboratory, collaborated with the Y-12 team on this development.

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Home fires

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

Several disastrous hotel fires during the past few years have focused attention on fire safety education for hotel guests. Although such efforts are important, statistics indicate that most fire deaths result from fires in the home. About 68 percent of the approximately 8000 fire-related deaths each year occur in residences. Although many people have purchased smoke detectors, many more have not, and they could become the victims of fatal home fires.

Very few good studies on home fires have been published. Ideally, all home fires that result in fatalities should require detailed investigations. The reports of both the fire investigators who reconstruct the fires' physical causes and the pathologists and toxicologists who determine the medical consequences should be collectively reviewed. Unfortunately, such coordinated investigations are conducted only rarely.

Maryland study

One of the few good studies was performed in Maryland between 1972 and 1977 by Walter Berl and Byron Halpin; the results were pub-

lished in the September 1979 issue of the *Fire Journal*. As part of the study, detailed autopsies were performed on some 65 percent of the 463 cases of fire deaths reported in the state during the period. Autopsies were performed only in cases of "rapid" fire fatalities, where death occurred within six hours after exposure to the fire. Although there were some modest differences in the age distributions between cases recorded in Baltimore and those recorded in rural counties, other factors, including causes of the fires, appeared to be consistent. The fires could be attributed to electrical or mechanical design faults in only 15 percent of the cases. The remaining 85 percent were caused by human actions, either accidental or deliberate.

The most common cause of fires in the study was the careless handling of cigarettes, which was a factor in 44.4 percent of the cases. Only 2.2 percent of the fires were caused by flammable substances, such as gasoline and kerosene. Some 7 percent resulted from electrical malfunctions, and 8 percent were caused by faulty heating equipment. Only 3.4 percent of the deaths were

attributed to automobile collision fires.

Location of fires

Eighty-two percent of the deaths in the Maryland study occurred in residences. This is above the national average of 68 percent. Of the deaths cited in the study, some 70 percent occurred in either the living room or bedroom. Over half the fatal fires occurred between midnight and 6 a.m., and two-thirds took place between November and April.

More than half of the victims were found in bedrooms, but only about 30 percent of the fatalities occurred in the rooms where the fires originated. Thus, most of the victims apparently were overcome while escaping from the rooms where the fires began.

In more than 60 percent of the cases, the carbon monoxide levels in the victims' blood were over 50 percent — a level that few can survive. Measurements of hydrogen cyanide levels showed that a substantial number of the victims who had elevated carbon monoxide levels also had ingested dangerous quantities of cyanide. When one considers that the deaths may not have occurred for several hours in some cases and that toxicity measurements were

delayed, the actual initial levels may have been higher.

Hydrogen cyanide is generated when natural polymers, like wool, or synthetic polymers, such as nylon and polyurethane, smolder or burn. Some 25 percent of all fires begin in mattresses or bedding, and more than 20 percent start in sofas or chairs. Carbon monoxide, alone or mixed with cyanide and other toxic combustion products, can be termed the cause of death in 60 to 70 percent of fire-associated deaths. People often are unaware of these odorless, smokeless and invisible poisons that can cause death within minutes.

The study also revealed that some 70 percent of all the fatalities in the 30 to 60 age group had alcohol levels in the blood in excess of 0.1 percent (the legal limit for drunkenness).

The lessons are obvious. Smoking cigarettes while drinking heavily and sitting in an overstuffed chair or lying in bed provides an invitation to disaster, both for the smoker and for the rest of the family. The very young, the elderly and the infirm often cannot escape from a fire and frequently become the victims. It is usually the negligence of the supposedly responsible members of the family that results in death.

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 82	21.3831	42.5110	12.1079
August 82	21.7696	45.7450	13.1057
September 82	21.9623	49.3688	13.2389
November 82	22.3508	58.2700	14.8005

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 11% for 1982. 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.

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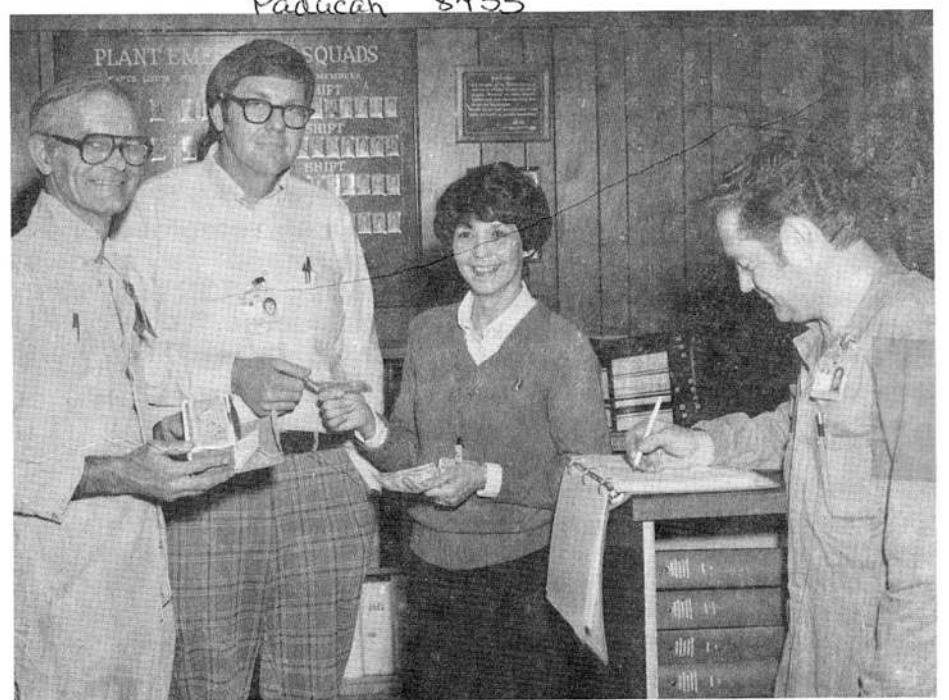
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INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS



Paducah 8455

CASH FOR TRASH — Five-dollar winners redeemed their coupons for cash during last month's clean-up campaign at Paducah. Coupons were attached to trash around the plant. Shown from left are Herbert W. Handley, Maintenance; Gus T. Cook, Technical Services; Brenda Lichtenberg, Cascade; and Roy L. Yates, Maintenance. Not pictured are Robert A. Stringer, Cascade; and Phillip L. Spees, Engineering.

Waters named director of Separation Systems

K/PH 82-4327



Dean A. Waters

Two major appointments have been announced by Robert Merriam, manager of Enrichment Technology. Dean A. Waters has been named director of the Separation Systems Division, effective January 1. He succeeds Ernest C. Evans who will have new managerial and programmatic responsibilities within the Enrichment Technology organization at ORGDP.

For more than 20 years, the Separation Systems Division (SSD) has had a major role in research, development and demonstration activities associated with the nation's gas centrifuge process for enriching uranium. In addition, staff members were instrumental in developing improved biological centrifuges which purified vaccines for medical uses, produced neutron velocity selectors used by the National Aeronautics and Space Administration, and developed liquid centrifuges now used in transuranium processing at ORNL.

The Division's current missions include supporting the successful startup of the Gas Centrifuge Enrichment Plant (GCEP) at Portsmouth, Ohio, by training Goodyear Atomic Corporation personnel who will be operating the plant and by testing equipment and machines in ORGDP facilities; and designing advanced centrifuge machines.

Waters is a native of New Jersey. He received two bachelor's degrees from Yale University, a master's degree in nuclear engineering from North Carolina State University and has attended the University of Tennessee.

Prior to joining the Nuclear Division in 1969, Waters taught at North Carolina State University and worked

Patents

John E. Mathis, James A. Basford and Harlan C. Wright, all of Y-12, for "A High-Pressure Standard Leak Assembly."



Ernest C. Evans

for Public Service Electric and Gas Company. He served as department head and program manager in SSD before he was named assistant division director in 1977.

Waters is a member of the Tennessee and National chapters of the Society of Professional Engineers, Sigma Pi Sigma and the Physics Society. In 1978, he was recipient of the Department of Energy's E. O. Lawrence Award for his "leadership and engineering inventiveness in the development of gas centrifuge systems for the enrichment of uranium."

Waters and his wife, Jacquelyn, have two children. They live on Newport Road in Oak Ridge.

A native of New Jersey, Evans received his BS degree in engineering from the Massachusetts Institute of Technology and his MS degree in physics from the University of Tennessee.

He joined the Nuclear Division in 1946, serving in various positions in the Physical Measurements Department of the Technical Division. Evans was among the first group of Nuclear Division scientists and engineers who began exploring the potentials of the gas centrifuge enrichment process. He was named head of the Separation Systems Division when it was formed in 1967.

Evans is a registered professional engineer. He holds membership in several professional societies and was named a "fellow" of the Instrument Society of America in 1973. In 1982, he received the Tennessee Society of Professional Engineers' Outstanding Service Award.

He and his wife, Marie, live on North Seneca Road in Oak Ridge. They have three grown sons.

George E. Wrenn Jr., John Lewis Jr., Cressie E. Holcombe Jr. and David R. Masters, all of Y-12, "Coated and Metalized Fibrous Composites."

Ferguson to new post

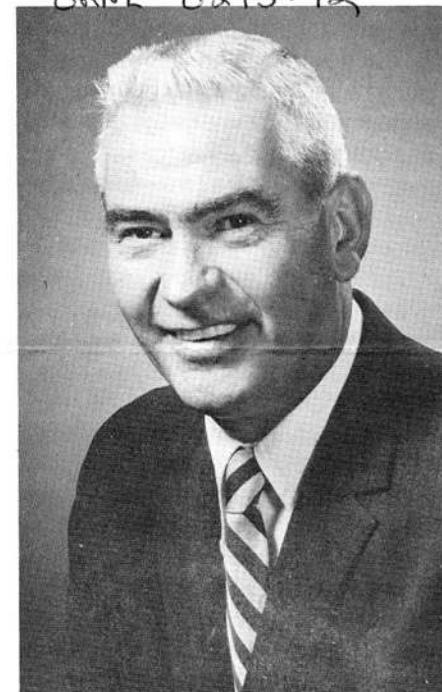
Raymond G. Wymer to direct Chemical Technology Division

ORNL 3663-80



Raymond G. Wymer

ORNL 0275-72



Don E. Ferguson

Raymond G. Wymer has been appointed director of ORNL's Chemical Technology Division effective January 1. He succeeds Don E. Ferguson, director for the past 18 years, who will become technical adviser to the associate director for nuclear and engineering technologies.

Chemical Technology, with a staff of about 250, is one of the largest research divisions at the Laboratory. Its activities include nuclear fuel-cycle technology, waste processing, transportation and related chemical development; and major efforts in coal conversion technology, biotechnology for energy conversion and environmental control, and engineering science.

Wymer, associate division director since 1973, has been recognized for contributions in the fields of nuclear fuel recycle, waste management, thorium utilization, transuranium element processing, and sol-gel and related fuel refabrication technologies.

He joined the ORNL staff in 1953 as a radiochemist and later held positions at the Georgia Institute of Technology and Industrial Reactor Labs, Inc., before returning to ORNL in 1959 as chairman of the applied research group. From 1963 to 1973 he was a section chief for chemical development in the Chemical Technology Division.

His most recent work has been in development of high-temperature gas-cooled reactor fuel recycle and light water reactor fuel-cycle studies. He has participated as U.S. representative to three International Atomic Energy Agency panels in Vienna, Austria, two of which were held on sol-gel processes for preparing nuclear fuels and the third on fuel cycle demand, supply and cost trends.

Wymer holds an undergraduate degree from Memphis State University and the MS and PhD from Vanderbilt. His professional affiliations include the American Nuclear Society, of which he was elected a fellow in 1976, the American Institute of Chemists, American Institute of Chemical Engineers, American Chemical Society and Sigma Xi.

He and his wife, Kenalene, reside in Oak Ridge. They have four children.

In his new assignment as technical adviser, Ferguson will join the staff of

Donald B. Trauger, associate director for nuclear and engineering technologies. His responsibilities will include advice and support concerning fuel recycle technology and strategy, chairing the Nuclear Division waste disposal steering committee, and monitoring completion of a program to convert uranium-233 from liquid to solid form.

Ferguson joined the ORNL staff in 1946. He and his wife, Wilma, live in Lenoir City. They have four children.

Safety Scoreboard

Time worked without a lost-time accident through December 16:

Y-12 Plant	156 Days	5,946,000 Employee-Hours
ORGDP	307 Days	7,117,626 Employee-Hours
ORNL	182 Days	4,023,531 Employee-Hours
Paducah	870 Days	7,151,366 Employee-Hours

Retirement seminars emphasize positive maturity

Retiring is one of the major decisions anyone has to make in life. To put some kind of order into the retirement process, the Nuclear Division is holding seminars called Action for Independent Maturity (AIM) at the three Oak Ridge facilities. The courses are sponsored by the American Association of Retired Persons and consist of nine two-hour sessions with some 20 to 25 employees participating. Spouses of employees also are urged to attend.

The program's first topic is the challenge of retirement. Retirement can be, and often is, the most productive time of life. The possible activities include launching second careers, advancing one's education, tracking down family roots and enjoying special interests and hobbies.

Retirement opportunities

There are plenty of opportunities for everyone in retirement, but it is up to the retirees to fulfill their dreams and enhance their lives. Employees in the first session of the program quickly agreed that the person who plans nothing may become a victim of boredom.

Health and safety are discussed in the second session, led by employees from the Medical and Health Divisions. Attitude also is stressed in this session, along with proper nutrition and everyday habits that are essential to one's well-being. Special health problems that accompany the aging process also are discussed.

The third course deals with housing. Can you afford your present home in retirement? Will it suit your needs? Is it too large or too small, and will it be a burden or an asset to you in your retirement? The group leaders discuss case histories of people who have already retired. Housing

N 82-259



Rosemary Sluder, back to camera, heads Y-12 retirement seminars

needs and conveniences, which often change as one grows older, are discussed.

One session deals with the legal aspects of retirement. Staff members of the Law Department discuss such subjects as trust funds, wills and estate planning. The concepts of beneficiaries, executors and dependents are explained, with emphasis on the changing aspects of one's responsibilities and liabilities.

The fifth seminar centers on attitudes and role adjustments that accompany retirement.

Losing a spouse

There is always the possibility of losing a spouse, and that reality must be faced. Second marriages are discussed, and the importance of bonds with younger people is emphasized.

Discussions on the meaningful use of time are a highlight of the studies. There are many ways to utilize the additional time available to retirees. Forty hours a week is the minimum amount of time spent on the job, but there also is commuting time and time spent thinking about the job to be deducted from your personal clock. Keeping busy is not enough; a meaningful use of time is important.

Several active retirees also visit the sessions to show how new interests can be developed and that retirement can be an even busier time than one imagined.

Supplementing income

In a later session, income is discussed, and various sources of supplementing and increasing one's income are presented. Budgeting is discussed at length, and planning again is emphasized.

Finance planning is the subject of the eighth session, with the empha-

ORNL 4521-82



ORNL retirees-to-be listen intently

K/PH 82-3627



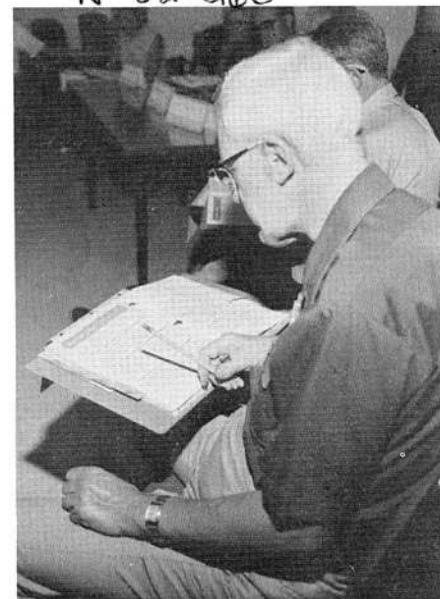
Jack Young, under screen, leads ORGDP discussions

sis on ways to economize on housing, utilities and medical expenses. Credit union officials and visiting authorities on stocks and money markets lend their expertise to the discussions. Advice on consumer rights and purchasing also is provided.

The final session involves Union Carbide's benefits relative to retirement. Various options are detailed, including insurance, pension plans and other privileges retirees get.

The seminars are a part of the Benefit Plans Departments in the three facilities. Course leaders are: ORGDP, Jack Young; ORNL, Elmo Wolfe; and Y-12, Rosemary Sluder. Classes are scheduled regularly, and the leaders prefer groups of 20 to 25 persons, including spouses.

N 82-260



Next issue...

The next issue will be dated January 13. The deadline is January 5.

PLANNING — Robert C. Anderson, Metals and Ceramics Development at Y-12, recently completed the pre-retirement seminars, and plans to retire to his Crossville home soon.

Eleven employees promoted in various Y-12 Plant divisions

Eleven promotions have been announced at the Y-12 Plant. Milford Byrd has been named a machining supervisor; Johnnie R. Frost Jr. a process supervisor; G. Michael Fuller a staff engineer; William F. Johnson a materials dispatcher; James V. Ledbetter Jr. a planner and estimator; James T. Lowery a process supervisor; Stephen L. Matteson an inspection supervisor; Terry L. Phillips a process supervisor; Kerry L. Stone a statistician; Michael L. Tallman a process supervisor; and Willie T. Thomas an assembly supervisor.

Byrd, a native of Campbell County, attended Henry Ford Community College in Dearborn, Mich. He joined Union Carbide in February, 1982.

He and his wife, the former Linda Chambers, live at Box 138-A, Pioneer. They have two sons.

Frost was born in Clarksville. He joined Union Carbide in 1979 as a barrier operator at ORGDP, before transferring to Y-12 in 1980. He served for six years in the Tennessee Army National Guard.

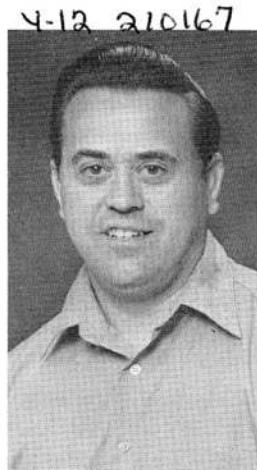
He is married to the former Elizabeth Baird, and they reside at 902 C Street, Lenoir City. They have two children.

A native of Ada, Okla., Fuller attended Oklahoma Baptist University and Oklahoma City University. He joined Union Carbide in 1980 as an engineering technician in Y-12's Security, Plant Protection and Utilities Division. Fuller is a veteran of the United States Navy.

He and his wife, the former Carolyn Ann Whitehead, live at 7425 Wickham Drive, Knoxville. They have two children.

Johnson, an Oak Ridge native, attended the University of Tennessee. He joined Union Carbide in 1976 as a barrier operator at ORGDP and transferred to the Y-12 Plant in 1981.

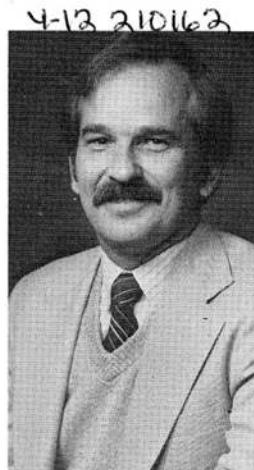
Johnson lives at Route 3, Oliver Springs. He has one daughter.



Byrd



Frost



Fuller



Johnson



Ledbetter

Ledbetter was born in Oak Ridge and attended the Training and Technology Program at Y-12. He joined Union Carbide in 1971 as a machine operator at Y-12, transferred to ORGDP in 1975 and rejoined the Y-12 staff in 1980.

He is married to the former Debra Chitwood, and they reside in Harri-man.

Lowery, a native of Oliver Springs, joined Union Carbide in 1979 as a machinist in Y-12's Fabrication Division.

He and his wife, the former Ann England, live at Route 2, Oliver Springs. They have two children.

Matteson was born in Meadville, Pa., and received the AS degree in mechanical engineering technology from Brevard Community College, Cocoa, Fla. A veteran of the United States Navy, he joined Union Carbide in 1981 as a machinist at Y-12.

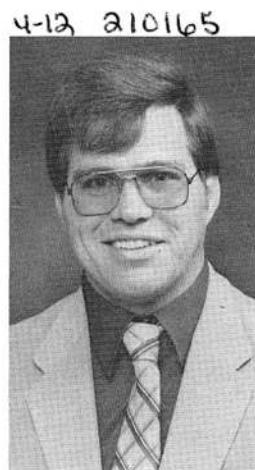
He and his wife, the former Lucy Lynn Southerland, have two children. They live at 8400 Middlebrook Pike, Knoxville.

A native of Mt. Clemons, Mich., Phillips joined Union Carbide in 1976 as a barrier operator at ORGDP. He transferred to the Y-12 Plant in 1980.

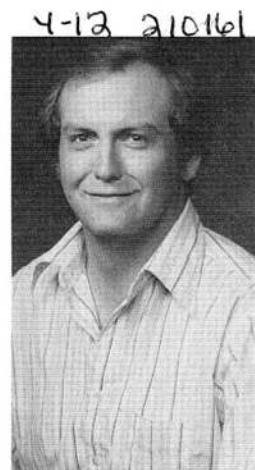
Phillips, who is a captain in the Oliver Springs Fire Department, is married to the former Sherry Denise Cox. They reside in Oliver Springs.



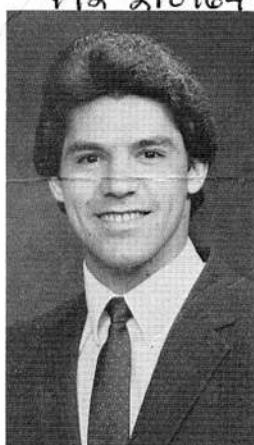
Lowery



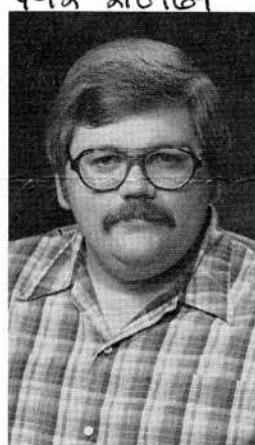
Matteson



Phillips



Stone



Tallman



Thomas

Stone, who was born in Cookeville, received the BS in business administration from the University of Tennessee and is currently pursuing an MBA. He joined Union Carbide in December, 1981 as a technical associate in Y-12's Quality Division.

A member of the American Society for Quality Control, Stone lives at 9134-A Grayland Drive, Knoxville.

Tallman, a native of Knoxville, joined Union Carbide in 1976 as a barrier operator at ORGDP. He transferred to the Y-12 Plant in May 1979. Tallman is a veteran of the United States Navy.

He and his wife, the former Donna Jean King, live at 6037 Starhurst Drive, Knoxville. They have three children.

A Knoxville native, Thomas attended the Training and Technology Program at Y-12 and State Technical Institute at Knoxville. He joined Union Carbide in 1970 as a materials inspector in Y-12's Product Certification Division.

Thomas, who is certified as an associate engineering technician by the National Society of Professional Engineers, lives at 3017 Barnard Road, Knoxville, with his wife Cynthia.



GIVES HANDCRAFTS — Gary Ashton, left, a stockkeeper in Y-12 Stores Department, donated some hand-made toys to the Holiday Bureau. Accepting is Nat Johnson, an illustrator with DOE, who is head of the local bureau. Ashton designs and builds toys in his home workshop and donated the surplus for needy children of the Oak Ridge area.

The tree becomes holiday ritual

The Germans are credited with bringing the Christmas tree into the holiday ritual. Thousands of years before the birth of Christ, German tribes carried evergreens (representing life and immortality) into their homes to protect them from evil

during the coming year.

The Christmas tree made its debut in England during the 1840's as part of the enthusiasm for German customs that followed the marriage of Queen Victoria to Germany's Prince Albert.

Christmas in Paducah



All Paducah (no #1's)

BIG ANNIVERSARY — This is the 29th year that Santa paid a visit to the children of Paducah employees. The party was held December 11 at the Arcade Theater. Among the attractions were the Folsom Company Puppets, Clown Chris and cartoons. But the highlight, as attested by the above photographs, was the chance to talk to old Saint Nick himself.

Bowling alley notes...

Y-12 Classic...

The Has Beens retain the lead in the Y-12 Classic League, closely followed by the Gutterbusters and the Kingpins. The Splinters continue to hold team highs with an 1169 game, 3314 series. Jack Spears of the Eightballs rolled a 750 series, while the Lighting Balls' Ernis Lamb still holds a game high of 289.

UCC Thursday Mixed...

The Par Busters now hold the lead in the UCC Thursday Mixed League, rolling at Lenoir City, ahead of the Unpredictables and the Spaders. Recent highs were rolled by Glenn Monger, 564 scratch series; Jack Skinner, 548 scratch series; Troy Perlov, 203 scratch game; and Hass Carter, 202 scratch game.

Carbide Family Mixed...

Recent highs in the Carbide Family Mixed League included a 221 scratch game and a 255 handicap game by George Reece. Jennee Saffill rolled a 202 scratch game and a 235 handicap series. Series highs were posted by Norman Jefferson with a 574 scratch series and a 675 handicap series. A 621 handicap series was shot by Jane Hatfield.

Carbide Wednesday...

The Operators continue to lead the Carbide Wednesday Men's League followed by the Sues Sooners and the Remkeys. Season team highs are held by the Operators, with a 3137 series, and a weekly high of 3196 for the ???'s. The individual scoring leader is Bull Atkins, with a 300 game, 737 series.

ORNL A...

ORNL's A League continues to be led by the Elwood's Chargers, with the Limits following closely behind. Recent highs were posted by Don Hendrix, 731 handicap series, and Bill Anthony, 297, handicap game. Team highs are high by ORAU, with a 3122 series, and the Dynamics with an 1106 game.

K-25 Tuesday...

The Team continues to hold on to a narrow lead over the All Stars and City Slickers in the K-24 Tuesday League. L. E. Hart holds high game scores of 254 scratch with a 640 handicap score. Season-high team scores are held by the City Slickers 1091 game, and the All Stars, 3143 series.

Y-12 C...

Recent highs in the Y-12 C League included a 246 scratch game, a 600 scratch series and a 266 handicap game by W. E. Johnson of the Badgers. The Anode's Waldrop and the Big Five's Leatherwood both rolled a 657 score in the handicap series.

ORGDP Women's...

The Mouse Chasers continue to hold on to first place in the ORGDP Women's League, followed by the Ten Pinners and the Woodbees. Recent highs were posted by Jackie Hinton, 191 scratch game; Carolyn Gooch rolled a 238 handicap game and a 635 handicap series; Georgia Guinn shot a 494 scratch series. The Woodbees rolled a 830 handicap game while the Ten Pinners posted a 2365 handicap series.

Monday Mixed...

The Go-Getters retain the lead in the UCC Monday Mixed League, followed by the Hi Rollers and the Pace-setters. Bill Muenzer (670) and Penney Jensen (585) hold scratch series, while Glenn Killough (656) and Brenda Williams are handicap leaders. Top scratch games have been rolled by George Byrd (234) and Brenda Williams (234), and Paul Armstrong (255) and Mary Johnson (247) lead in handicap scoring.

Volleyball . . .

Volleyball League standings through the middle of December find the Profusion team, the Volleybawlers, the Net Profits, Beech-Nuts and Prime Time Players with only one loss...but the SHHEEE team has lost no games thus far.

League standings:

ATOMIC LEAGUE		
Team	Won	Lost
Profusion	17	1
BMS Super Dinks	10	2
Brainbusters	12	3
Dirty Half Dozen	13	5
Chestnut Point	8	10
Arties Army	5	10
Bruise Brothers	4	17
Dinkers	0	21

CARBON LEAGUE - NORTH DIVISION		
Team	Won	Lost
Volleybawlers	14	1
Net Profits	14	1
Beech-Nuts	14	1
Prime Time Players	14	1
Condensed Matter	11	4
6-Pack	9	6
Solid Gold	6	12
Irish Setters	4	11
Scobies	4	11
Short Circuits	4	14
Smackers	4	14
"The Crew"	3	12
Bombers	1	14

CARBON LEAGUE - SOUTH DIVISION		
Team	Won	Lost
SHHEEE	18	0
Generics	17	4
Twelve Pack	9	3
Protocol Jerks	10	5
Dymcas Darlings	10	5
Mug Huggers	8	4
Alligators	7	5
P.O.I.	9	12
Odds & Ends	8	13
Midnet Spikers	5	10
Absolute Zeros	5	13
Tail Spinners	4	11
Totally Grody	4	17
Mustangs	3	15

Division takes active role in small business development

(Editor's note: A story featuring some area businesses that have become involved in the Nuclear Division's small business development program will be contained in an upcoming issue of Nuclear Division News.)

Although those of us who work for large corporations may not realize it, statistics indicate that some 80 percent of American workers are employed by small businesses. In recognition of that fact, the Nuclear Division is one of many government contractors and agencies actively involved in a small business and small disadvantaged business development program.

According to W. D. Joyner of Nuclear Division Purchasing, who has served as manager of the small business development program since its inception in 1978, the multi-million-dollar effort involves more than just purchases from small businesses.

"The Nuclear Division has traditionally been involved in efforts to assist small businesses, however, the program began to receive added emphasis in 1978, after the passage of Public Law 95-507," Joyner said. The law states that "small business concerns and small business concerns owned and controlled by socially and economically disadvantaged individuals shall have the maximum practicable opportunity to participate in the performance of contracts let by any Federal agency or prime contractor."

As a result, the Nuclear Division and other major government contractors must carry out this policy in the awarding of subcontracts "to the fullest extent consistent with efficient performance."

Goals exceeded

How is the Nuclear Division fulfilling the terms of Public Law 95-507? In a variety of ways, according to Joyner. "One of the steps was to formulate and provide to DOE a subcontracting plan for working with small and small disadvantaged businesses. Working with representatives from DOE, we then established percentage goals related to total procurement awards for small and small disadvantaged businesses," he explained.

"In most cases, we have met or exceeded our goals since our program began in 1978," Joyner said. "Nuclear Division goals for FY-1983 are: small businesses, \$151,674,000, or 39 percent of our total awards; small businesses owned by disadvantaged individuals, \$16,000,000, or 4.1 percent; and small businesses owned by women, \$7,720,000, or 2 percent. These figures compare to the 1982 goals of 37.1 percent, 3.2 percent and 1.1 percent, respec-

tively. The 1983 goals have been approved by DOE, and we are hopeful of meeting or exceeding them as in past years," he added.

Small business contacts

As you might imagine, locating small businesses to provide some of the rather unique services and products required in the operation of the complex and diversified facilities that make up the Nuclear Division is not a simple task, and it keeps Joyner and this staff and others busy. "When we first began the program, we really didn't have much of a pool of small businesses for some requirements from which to draw. Therefore, we became very active in small business and small disadvantaged business trade fairs, seminars and conferences, as well as working with chambers of commerce in our area and in a number of major cities. We also participated in panel discussions involving large business purchasers and small business suppliers. The Nuclear Division is now a member of the Tennessee Regional National Minority Supplier Development Council and the National Small Business Economic Development Council, participating with some 30 other Fortune 500 corporations. We have made many small business contacts through these activities," Joyner said.

National network

The Nuclear Division has been very successful in its efforts to identify capable small and small disadvantaged vendors. Contributing to the success is the Division's access to the national network of the Procurement Automated Source System (PASS), sponsored by the Small Business Administration and DOE. This system has the capacity to profile up to 150,000 small business, small disadvantaged businesses and small businesses owned by women. Whenever subcontracts are needed for services or products costing \$10,000 or more, the buyer or purchasing agent requests a small business vendor check, using the system to locate firms that are capable of bidding on the services or products. "This system has simplified the process of locating small and small disadvantaged vendors for us," Joyner said.

How successful has the program been so far? "We feel that we're off to a good start," Joyner said. "We have met, or in most cases, exceeded all of our goals, and we keep increasing those each year." He listed three key

Recent Retirements

Most of these retirees will be retiring December 30.

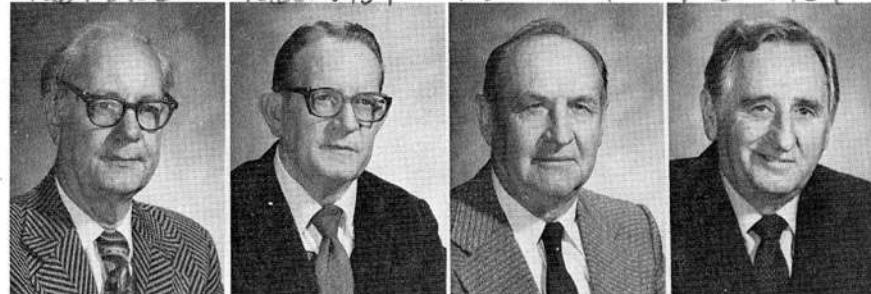


Ronald D. Smith
Operations Analysis,
Long Range Planning
33 years service
Pad. 8453

Paul B. Petretzky
Materials Testing
Support
Y-12
39 years service
Pad. 8454

Vivian A. Anfinson
Technical Information
Y-12
26 years service
Pad. 8452

Jack K. Stewart
General Shops
Y-12
28 years service
Pad. 8459



James C. Hale
Cascade Operations
Paducah
38 years service

Joseph T. Englert
Maintenance
Paducah
29 years service

Allen L. Elrod
Maintenance
Paducah
31 years service

Edward P. Bloomfield
Power, Utilities
and Chemical
Paducah
31 years service



Robert L. Sherman
Analytical Chemistry
ORNL
36 years service
ORNL 5069-82

Forrest W. Schmollinger
Operations
ORNL
30 years service
N 82-316

William R. Casto
Engineering Technology
ORNL
34 years service
ORNL 5069-82

Mary V. Long
Biology
ORNL
35 years service
N 82-262



Lonnie W. Gilley
Operations
ORNL
30 years service

Virginia E. Davis
Biology
ORNL
18 years service

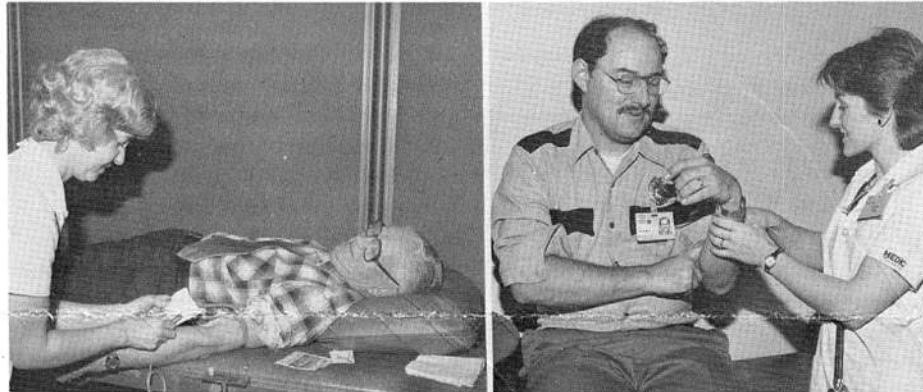
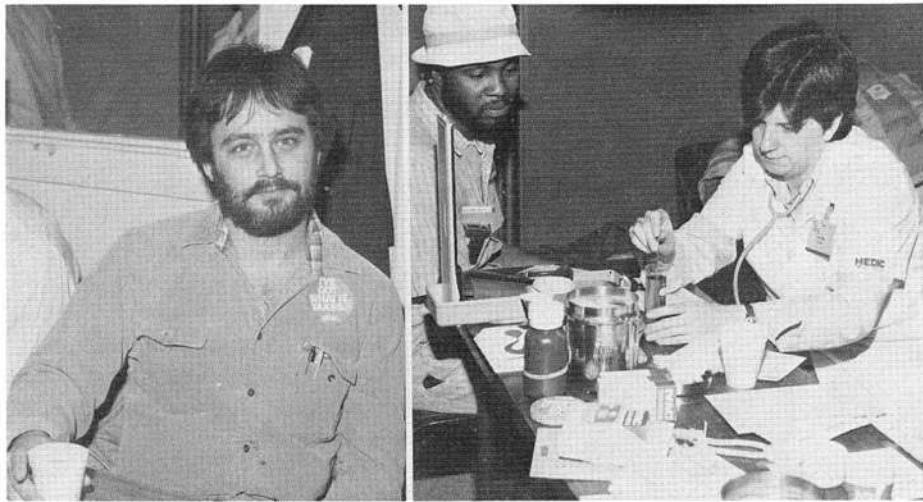
Norman L. Beeler
Plant and Equipment
ORNL
37 years service

James F. Winfree
Special Services
Y-12
33 years service

elements that are required to maintain this progress in developing small businesses: strong support from top management and a commitment that is reinforced by frequent discussions during staff meetings at all levels; an educational program that includes buyers, program managers and others involved in the procurement process; and a strong and active outreach program to seek out and bring together small business vendors, purchasing personnel and program managers.

Joyner added that representatives of several large corporations have visited the Nuclear Division to study the small business development program, so it apparently has become somewhat of a model.

According to Joyner, "We've made a great deal of progress in the past few years, with help from DOE, the Small Business Administration and many individuals, but we still have a way to go."



Question box

What is policy on reductions?

QUESTION: Is there any policy in giving voluntary reductions in force? It seems that only highly paid employees are eligible.

ANSWER: Voluntary reductions in force are allowed only when we need to reduce the size of our work force. Established UCC-ND policy sets forth two basic criteria for determining eligibility: 1) that voluntary reductions in force be limited to occupational groups directly affected by

personnel reductions so that any voluntary terminations will avoid an involuntary layoff and/or 2) that any employee granted a voluntary reduction in force is performing a job which is being discontinued.

Administrative procedures have been developed and used at all UCC-ND locations where voluntary reductions were allowed, based on the above criteria. Salary or wage levels are not a factor in determining eligibility.

Save Energy / Share The Ride

ORNL

ORGDP

VAN POOL RIDER NEEDED from West Knoxville (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.

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.

WILL JOIN VAN OR CAR POOL from 25W area (North Clinton) to any portal. Contact Gary, plant phone 4-5614.

WANTS to JOIN or FORM CAR POOL from Cedar Bluff area to East or North Portal, 8-4:30. Contact: Donna Watson, plant phone 4-6151.

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; or Sam Blumkin, plant phone 4-8145; home phone 483-7865.

Y-12

NEED RIDER from Walker Springs Road, Cedar Bluff area, to any portal, 7:30-4. Jerry Whittaker, plant phone 4-0886; home phone Knoxville 693-4718.

NEED RIDE or WILL JOIN CAR POOL from Farmington Subdivision, off Ebenezer Road, Knoxville, to Central Portal, straight days. Theresa Stone, plant phone 6-5056; home phone Knoxville 691-9949.

Santa originally a bishop

"Santa Claus" is an Americanized version of *Sinterklaas*, the Dutch version of St. Nicholas, who was a bishop in Asia Minor during the fourth century. He gave many anonymous gifts and was known as the protector of children. Dutch settlers in America celebrated St. Nicholas' feast day on December 6, and *Sinterklaas* visited Dutch homes the night before and left presents for the children.

created by Clement C. Moore, who described the jolly man riding through the night on a sleigh pulled by eight reindeer in his book, *A Visit from St. Nicholas*. The character we have come to love, with cheeks like roses, nose like a cherry and a snow-white beard, was portrayed by Thomas Nast in Christmas cartoon sketches that were printed in *Harper's Weekly* from 1863 until the 1880's.

Santa as we know him today was

DONORS LINE UP — Some 2,200 Y-12ers came for the 1 four-day blood drive held in mid-December. Many others were not contacted, but will be called next year when Medic returns to the plant. The next drive will be held in ORNL, probably in February.

'Awards of Excellence'

(Continued from page 1)

• Jack M. Jones and James E. Thompson, Metal Preparation Division, and Walter G. Northcutt Jr., Development Division, for an extrusion/forging process for producing weapons system parts. The team's development of a more efficient metal-forming method for use on parts with complex and unconventional design features resulted in savings of more than \$3 million over the life of a major weapons production program.

• John M. Casstevens, former Development Division employee, James C. Farmer and Roy L. Young, Assembly Division, and Gerald A. Lively, Nuclear Division Engineering, for an improved method for blending the case weld of a weapons system. This team's use of a new type of portable belt grinder reduced the time required for blending welds from 12-16 hours to less than two hours, and removed the need for building a new piece of equipment. Cost savings are expected to be more than \$1.3 million over the life of the program.



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