

Thanksgiving more than turkey and football games



Eloise Kirk

For most of us, Thanksgiving is a day to enjoy turkey and dressing, football games and fellowship with family and friends. More importantly, it is a special time to reflect upon the many things for which we are thankful.

For this issue, we asked several Nuclear Division employees what they were especially thankful for this Thanksgiving season. Here are their responses.

In these times of economic uncertainty, most are thankful to be employed. **Eloise Kirk** of ORNL's Plants and Equipment Division said, "I'm thankful for a lot of things, but this year I am particularly glad that I have a job."

Howitt Mathis, Paducah Cascade Operations, expressed thankfulness for the good health that he and members of his family enjoy. "There are a lot of things to be thankful for, but being healthy, being able to work and to enjoy life is the most important," he said.

James E. Pogue, ORGDP Maintenance Division, cited several items for which he is especially thankful this year. "I'm thankful for freedom to worship at the church of my choice; for my wife and two teenaged sons; for having a job which enables me to provide for my family; and for my health," he said.

For **Jeff Day**, who works in ORNL's Finance and Materials Division, his parents provided him with the things for which he is most thankful. "I am grateful, above all, to have been reared by parents who taught me the principles of salvation and peace with God at an early age. I am also thankful to live in a society where individuals can still potentially enjoy the fruits of their labors and creative expression," he added.

"I'm most thankful for the freedom that we have in this country, our right to freedom of speech and religion," said **Kurt Hardman** of Paducah Maintenance. "We can say what we want, go to church where we want and do what we want to do. I'd hate to live in a Communist country or other nation without the rights we have."

Duane Starr, an engineer in the Advanced Isotope Separation Division at ORGDP, is especially thankful for, "the warmth of family and friends."

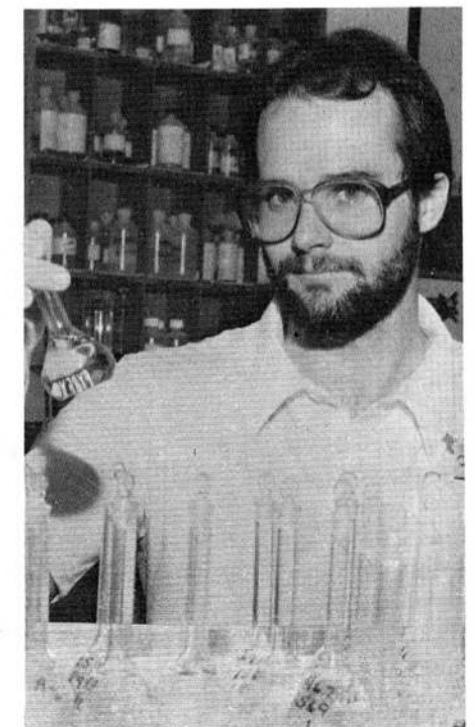
Judy M. Morton of ORNL's Health Division is especially thankful for her friends. She said, "I have faced a lot of family illness this past year and am really thankful for my friends. They can't be replaced."

Angela G. Henderson, ORGDP Employee Relations Division, is especially thankful for the many blessings she has received this year. "I have been blessed with two wonderful sons and a loving husband, special friends, good health and super coworkers. Encouragement from family and friends has given me the support I needed to accept new responsibilities and challenges," she said.

Jerry W. Hanna, Y-12 Plant Laboratory, explained that several thoughts ran through his mind when he was asked about things for which he was especially thankful. First, he listed his present position, and particularly his coworkers, who have been very supportive. He also mentioned his parents and the fact that both are in good health. "They retired recently, and for so long they gave so much of themselves to the care and concern of others. Now, I hope that they will be able to direct some of their attention to their own lives.

"When I think of Thanksgiving Day itself, it is the fellowship and sharing that I think I appreciate most," he said.

(Please turn to page 8)



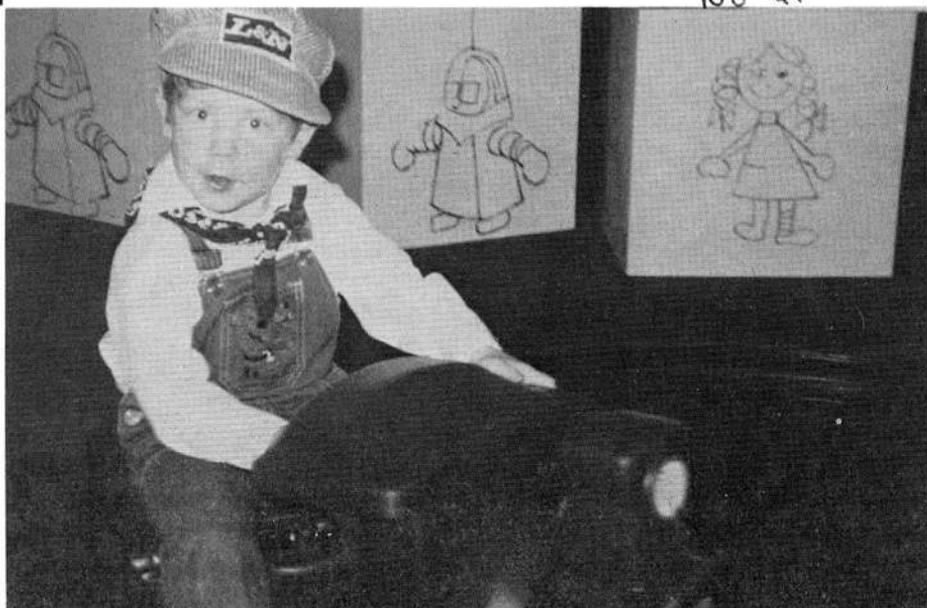
Jerry W. Hanna

In this issue . . .

An estimated million or more young and old alike enjoyed the "See How They Run" exhibit at the World's Fair, such as the young lad below on the battery-powered train. Union Carbide donated all the reserve toys to the local Marine Corps for their Toys for Tots campaign for Christmas. See story on page 3.

Other features:

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'Good feeling comes for lying down on the job' say blood donors

More than 1400 ORNL employees volunteered to give blood during a recent Medic visit. A total of 1270 units was drawn, exceeding the 1263 collected at ORGDP in their August drive.

"We can't go on breaking our own records every time we come to the plants," Jean Drennen, program

director of Medic said. "But it is so gratifying to see Carbiders respond to the needs of their neighbors. Chronic shortages of blood in the area will be eased by the willingness of the people to give."

"Now it's our turn," says Y-12 blood chairman Jim Nook, Maintenance. Drives in the Y-12 Plant have been set for December 7-10, with hours to be announced. The Conference Room in the Cafeteria will be the site for the drive.

Nook has appointed division representatives who will direct department solicitors to coordinate and schedule employee donations. Hours will vary from day to day so that shift workers will have the opportunity to participate.

In addition to the knowledge that Nuclear Division employees are helping other people, there is the additional bonus of coverage on a blanket contract. Blood needs for every employee (whether he or she gives or not) plus IRS dependents are taken care of. Medic emphasizes that there is no membership fee, no processing fee and no recruiting fee for any employee.

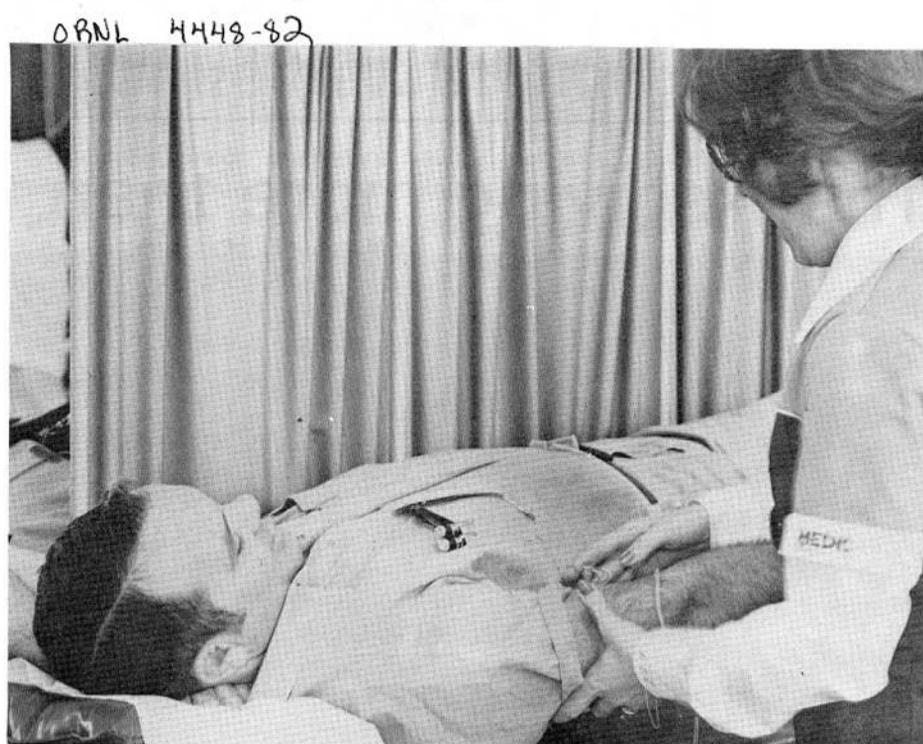
Much of the credit for the success of the drive at ORNL goes to Grover Cain and Harold Green, Laboratory Protection Division. Leila Sutherland handled scheduling and ensuring that donors arrived on time.

"I've never had such a good feeling that comes from lying down on the job," one ORNL employee was heard to say.

Patents

Walter G. Northcutt, Steven A. Wallace and Edward T. Creech, all of Y-12, "Process for Recovering Niobium from Uranium-Niobium Alloys."

Melton E. Garrison, Y-12, "Improved Method for Brazing Helical Shapes to Walls of Passageways."



READY TO DONATE — Dennis N. Leamon of ORNL's Plant and Equipment Division jokes with a Medic worker as he is prepared for his donation. More than 1200 units of blood were donated by employees at ORNL.



AT ORNL BLOOD DRIVE — Sharon S. Justice and her husband, Jon, both of the Laboratory Protection Division, are checked by Medic workers before donating blood during the recent ORNL drive.



INTERNATIONAL DONOR — Brigitte P. Cheynis (right), a French student on assignment to the ORNL Physics Division, gets a cup of coffee from retiree volunteer Sarah McIntyre after making her donation.

News about people

Moak awarded honorary degree



Moak

Charles D. Moak, research staff member in the Physics Division at ORNL, has been awarded an honorary doctor of science degree by the University of the Witwatersrand in Johannesburg, South Africa.

Moak was recognized for his research on heavy ion atomic physics and his work on the crystalline channeling of heavy ions. He has served as visiting lecturer at the university, which is South Africa's largest. Moak was cited at presentation ceremonies for his "direct involvement and interest in the university's nuclear physics research program," including the construction of a tandem accelerator and ion sources.

UNION
CARBIDE

Published every other week
for employees such as:



Zinat A. (Beeb) Habib of ORGDP's Finance, Materials, and Services Division.

Nuclear Division News

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INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

To "toys for tots"

Union Carbide donates toys to Marines for holiday gifts

About 5,000 toys have been donated by Union Carbide Corporation to the Knoxville Marine Corps Reserve for distribution as part of the unit's annual "toys for tots" programs.

In addition, Union Carbide has provided a supply of its ENERGIZER batteries for the Marines to assure that children receiving a toy will have the appropriate batteries for their gifts.

The toys provided are part of the supply obtained for Union Carbide's exhibit, "See How They Run," which was one of the attractions in the Life-style and Technology Center at the 1982 World's Fair. Visitors to the exhibit had an opportunity to try their hand at about 150 toys and games

which were obtained from American and foreign toy manufacturers. It is estimated that more than one million guests to the Fair visited the Union Carbide exhibit before it closed October 31.

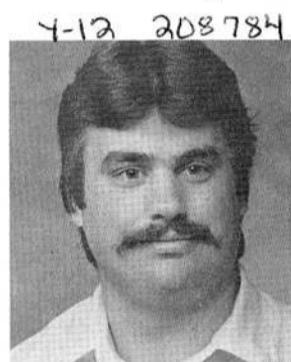
Since the life expectancy of toys and games varies, it was necessary to obtain a large number of each toy to assure that sufficient numbers were available for use by visitors to the exhibit during the six-month run of the Fair. All of the toys being donated to the Marines are unused.

The Marine Corps Reserve has indicated that it will give the toys and games at Christmas to various charities and needy families in the East Tennessee region.

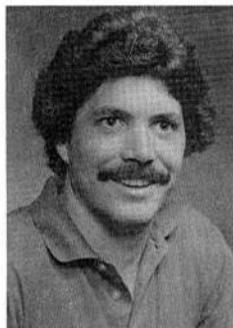


EXHIBIT TOYS DONATED — Roger F. Hibbs, Nuclear Division President, presents some of the almost 5000 toys the Corporation had available for its World's Fair Exhibit to the Knoxville Marine Corps Reserve. From left are: Janice Wright, UCC exhibit hostess; Sgt. Lori Thomas; Hibbs; Sgt. Gale McNeilly; and Cindi Freeman, also an exhibit hostess.

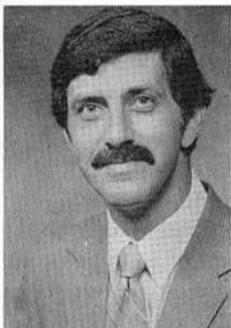
Seven promoted recently in various Y-12 plant divisions



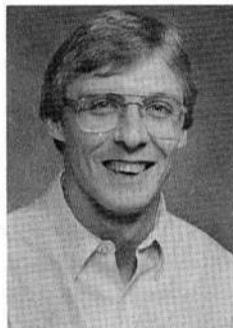
Cunningham



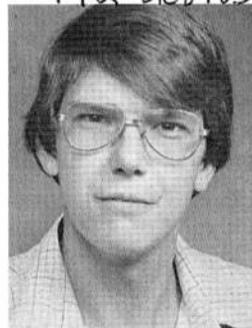
Herr



Holder



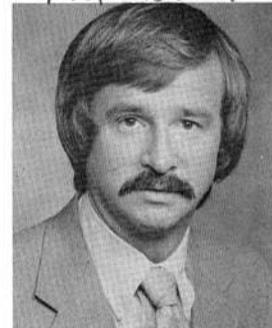
Scoggins



Slagle



Steele



Witt

Seven promotions have been announced in the Y-12 Plant. James D. Cunningham has been named a dispatching supervisor; David D. Herr a computing analyst; Terry B. Holder a laboratory supervisor; Terrell D. Scoggins a computing analyst; Richard E. Slagle a chemist; Mary C. Steele a computer supervisor; and Ben L. Witt, a radiation testing supervisor.

Cunningham, a native of Knoxville, joined Union Carbide in 1978 after

graduating from the University of Tennessee. He worked at the Knoxville Utilities Board while attending UT.

He is married to the former Melody Torbush, and they have two sons. The Cunninghams live at 3125 Deer Lake Drive, Knoxville.

Herr was born in Bristol and is a graduate of East Tennessee State University. He joined Union Carbide

in 1981 at ORGDP, transferring to Y-12 late last year.

He is married to the former Cheryl Ponder, and they live at 10430 Victoria Drive, Knoxville.

Holder was born in Somerset, Ky., and attended the Tennessee College of Automation. He is a graduate of the Training and Technology project in Y-12 and joined Union Carbide in 1970 as a radiographer.

He and his wife, the former Becky Smith, live at Route 7, Martel Estates, Lenoir City. They have two sons.

Scoggins was born in Cleveland, Tenn., and is a graduate of Tennessee Technology University. He came to Y-12 last year after hiring in at ORGDP.

He lives at 1915 Sutters Mill Lane, Knoxville.

Slagle was born in Knoxville and holds BS degrees in biology and chemistry from the University of Tennessee. He worked in retail sales before joining Union Carbide in 1979.

He and his wife, the former Deborah Insell, live at 2317 Black Bear Road, Knoxville.

Steele, a native of Savannah, Tenn., is a graduate of Robinson's Business College. She joined Union Carbide in 1964 as a keypunch operator.

She and her husband, Jerry, live at 123 West Lincoln Road, Oak Ridge. They have a daughter.

Witt, a native of Knoxville, joined Union Carbide in 1970, after attending the University of Tennessee and graduating from the TAT project. He worked at Nuclear Fuel Service before coming to Y-12.

He and his wife, the former Linda Shelton, live at 4111 Bruhin Road, Knoxville. They have one daughter.

National Guard unit to hold exposition

The Oak Ridge unit of the Tennessee Army National Guard will hold an exposition November 20 and 21 at the armory on the Oak Ridge Turnpike.

The purpose of the program, which will include demonstrations, activities and displays as well as prizes and gifts supplied by local merchants, is to help acquaint area residents with the missions and operations of the local Guard unit.

Many Nuclear Division employees hold "part-time jobs" with the National Guard, with positions ranging from drafting technician to tank platoon sergeant to unit commander.

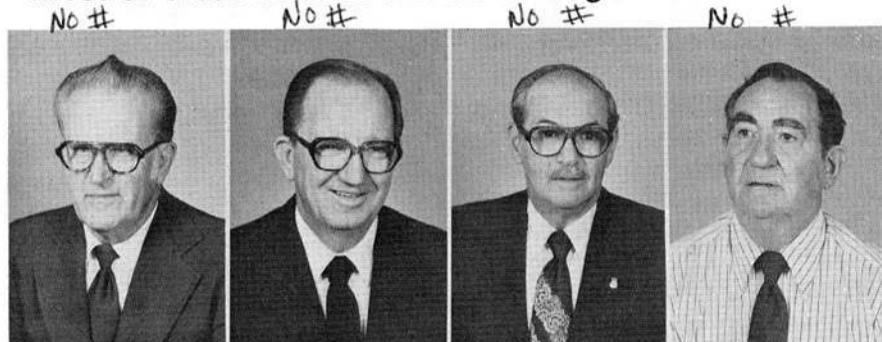
For more information about the Oak Ridge exposition, contact Fred Fillers of Y-12 at 4-1532.



NATIONAL GUARD EXPOSITION — Commander V. Bruce Isham of the 278th Armored Cavalry Regiment of the Tennessee Army National Guard will be among those involved in the Oak Ridge unit's exposition on November 20 and 21. Isham is a member of the ORNL Finance and Materials Division.

Recent Retirements

Most of these retirees will be retiring December 30.



<p>Charles R. Harper Operations ORGDP 17 years service N 82-224</p>	<p>James E. Rogers Operations ORGDP 38 years service N 82-241</p>	<p>Henry L. Floyd Operations ORGDP 37 years service N 82-223</p>	<p>William S. Watson Operations ORGDP 25 years service N 82-225</p>
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<p>Hayward G. Taylor Chemical Services Y-12 29 years service No #</p>	<p>Mary K. Housholder Plant Laboratory Y-12 38 years service No #</p>	<p>James L. Billings 9215 Rolling Mill Y-12 28 years service N 82-226</p>	<p>Venetta T. Lawson Development Division Y-12 31 years service</p>
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<p>Edsel F. Beasley Operations ORGDP 25 years service N 82-240</p>	<p>John A. Hall Maintenance ORGDP 32 years service No #</p>	<p>Daniel J. Cooley Special Services Y-12 35 years service No #</p>	<p>Bernard P. Rousseau Maintenance ORGDP 9 years service ORNL badge pic</p>
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<p>Theira J. Flood Technical Information Y-12 38 years service</p>	<p>John C. Hamby Maintenance ORGDP 32 years service</p>	<p>Clarence E. Robinson Maintenance ORGDP 31 years service</p>	<p>Paul S. White Biology ORNL 33 years service</p>
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Safety Scoreboard

Time worked without a lost-time accident through November 4:

Y-12 Plant.....	113 Days	4,238,000 Employee-Hours
ORGDP	265 Days	6,218,957 Employee-Hours
ORNL	140 Days	3,164,707 Employee-Hours
Paducah.....	828 Days	6,858,477 Employee-Hours

Smokeless tobacco — a safer alternative?

by T. A. Lincoln, M.D.



Anyone who watched the recent World Series games probably noticed the large number of athletes, coaches and managers who chewed tobacco. The frequent close-up views of bulging cheeks and spitting mouths provided rather dramatic evidence of nicotine addiction. Chewing tobacco does have "macho" implications in our society, but it is doubtful that many people would continue to chew if it were not for the pharmacological effect.

Dr. M. A. Russell of the Addiction Research Unit of London's Maudsley Hospital wrote recently in *The Lancet*, "There is little doubt that if it were not for the nicotine in tobacco smoke, people would be little more inclined to smoke than they are to blow bubbles or light sparklers." Chewing and snuffing tobacco are convenient ways of getting a nicotine "fix" when smoking is not possible or desired.

Snuffing and chewing

"Smokeless tobacco" is a relatively new generic term that refers to the methods of using the substance without smoking it. Powdered tobacco, or snuff, can be drawn quickly into the nostrils by inhalation. This practice, called snuffing, is more common in Europe than in the United States. Plug tobacco contains burley and Virginia tobaccos sweetened with honey, licorice, molasses and other ingredients pressed into flattened blocks. Twists are made from fermented cigar-leaf tobacco. Both of these forms are chewed. Dark tobaccos are powdered, flavored and usually packaged in a small cardboard can. A "pinch" of the powder is placed between the lower lip and gum and held as long as it has taste.

In the American Psychiatric Association's latest diagnostic manual, tobacco dependence is classified as "an addiction and an organic mental disorder." Dr. Ellen Gritz, associate research psychologist at UCLA, writes that nicotine is a powerful "arousal modulator." It can either energize or calm the user, depending on the specific need.

Effects of nicotine

When a person inhales cigarette smoke, approximately 90 percent of the nicotine in the smoke delivered to the lungs goes directly to the brain in about seven seconds. The effect develops more rapidly than the "rush" that results when heroin is injected intravenously. When powdered tobacco is inserted in the nose, it causes an extremely rapid rise in the level of nicotine in the blood. Although this occurs more slowly, nicotine also is readily absorbed from the mucous membrane of the mouth.

Because it is metabolized by the liver, nicotine absorbed from the gastrointestinal tract is rapidly inactivated; therefore, swallowing nicotine is not effective. The advantage of chewing a plug of tobacco or holding powdered tobacco in the mouth is that the level of nicotine in the blood may be maintained over a longer period of time. When tobacco smoke is inhaled, the nicotine effect develops quickly but does not last long.

Nicotine raises the blood pressure, increases the heart rate and slows circulation, especially to the hands and feet. It also stimulates the central nervous system, increases the breathing rate and reduces the time required for the stomach to empty, which may be why it depresses the appetite. Nicotine also appears to reduce one's desire for sweet foods. When one chews tobacco, the stimulation of the salivary glands caused by nicotine is obvious.

Other hazards

Long-term snuff use can result in other hazards besides the toxic effects of nicotine. In 1963, Dr. Louis Rosenfeld of Vanderbilt University reported on a form of "snuff dipper's" cancer found in the mouths of rural Tennessee women who chewed tobacco. Many articles have been written about the increased frequency of cancer of the mouth at the location where the tobacco quid usually is held. Prolonged use of oral tobacco can lead to leukoplakia, a whitish discoloration of the gums and cheeks that usually occurs in small spots. It is a precancerous lesion. Chewing tobacco also may lead to the recession of the gums from the teeth, increased wear and damage to the tooth sockets. As bad as these effects are, they are not nearly as serious as one of the main hazards of nicotine inhalation, lung cancer. Some 80 to 90 percent of all lung cancers and 30 percent of all cancers, regardless of location, are caused by tobacco smoking.

The habit of chewing tobacco is enjoying quite a remarkable resurgence in the United States, especially among teen-age boys. It has been estimated that at least 1 in every 15 Americans uses smokeless tobacco. Sales have increased by 25 percent since 1976.

As repulsive as the habit of chewing tobacco may seem to many people, it is not as hazardous as smoking. Since many people are addicted to nicotine and seem unable to overcome this dependence, the practices of snuffing or chewing tobacco may provide alternatives with less ominous health implications than those caused by smoking.

Anniversaries

PADUCAH

30 YEARS

Jo A. Grisham, Finance and Budget; Harold F. Connor, Cascade Operations; Hubert L. Conway Jr., Cascade Operations; Brice C. Edwards, Refrigeration and Mechanical Shop; Clarence F. Robertson, Cascade Operations; Charles A. McDaniel, Process Maintenance; Raymond H. Hunt, Process Maintenance; Charles L. Ashburn, Switchyards and Distribution Systems; Charles A. Hess, Instrument Department; Roy W. Perkins, Technology Laboratory Department; Alton Ross, Electrical Department; Rupert E. Wyatt, Cascade Operations; William H. Fox Jr., Electrical Department; Norman L. Harper, Plant Services; Frank L. Miller, Fabrication Shops; Max W. Thurmond, Refrigeration and Mechanical Shop; and Lois E. Davis, Plant Services.

ORNL

35 YEARS

Lee E. Tucker, Environmental Sciences; Zell Combs, Information; Arnold J. Wallace, Finance and Materials; Julian R. Gissel, Operations; George H. Johnstone, Plant and Equipment; Gerald Hamby, Instrumentation and Controls; and William C. Fox, Plant and Equipment.

30 YEARS

Anderson B. Galyon, Operations; John M. Canupp, Plant and Equipment; Duke R. Frizzell, Plant and Equipment; Percy A. Staats, Physics; James M. Galloway, Operations; and Eugene V. Dawson, Plant and Equipment.

25 YEARS

William O. Harms, Alvia E. Kerr and John H. Spence.

20 YEARS

Bob Sherrill (September), Charles W. Boggs, John Jackson, Sammy D. Lane, John M. Dale, Zane B. Egan and Clarence E. Packer Jr.

SCO services begin next week

The operation of a Statistical Computing Office (SCO) by the Mathematics and Statistics Research Department of Computer Sciences will begin November 15. The function of the office is to facilitate the use of statistical software in the Nuclear Division.

The SCO will assist computer users in obtaining statistical analyses of data, provide information about the availability of and documentation for statistical software, aid in the interpretation of computer output and serve as a general statistical consulting service for the Nuclear Division.

The office will be in operation Monday through Friday from 8:30 to 11:30 a.m. in Room D-214, Building 4500N at ORNL. Meetings also may be arranged for Y-12 in Building 9704-1. For more information, contact the SCO (4-5200) or Rick Schmoyer (4-1044).

Sal Smith is winner

Sal Smith also was a winner in the Carbide Camera Club Salon held recently at the Oak Ridge Community Arts Center. Smith captured a third-place and two honorable mention awards in the color print division.

Question Box

What about educational leave?

QUESTION: It is my understanding that those employees who take an educational leave of absence are not entitled to educational assistance from the Company. The sacrifice or loss of income for those on educational leave is compounded by the unavailability of these benefits. It seems as though the extension of these benefits to those on educational leave would result in tremendous benefit to the Company. What is the reasoning behind this policy?

ANSWER: The Educational Assistance plan provides assistance to active, full-time employees who are continuing to work while they are obtaining additional education which will be useful in connection with their employment. An individual who obtains a leave of absence is no longer working for the Company and there is no assurance he/she will return following the leave.

Costs associated with full-time enrollment are usually much higher than those associated with courses eligible for educational assistance. UCC's Educational Assistance plan, which was improved in 1980, is competitive with the plans of other large employers.

Blair Bridge

QUESTION: Since the Department of Energy closed the bridge on Blair Road, I have driven more than 700 extra miles to and from work. If DOE is interested in conserving energy, why don't they open the bridge?

ANSWER: The Blair Road Bridge was closed by the Department of Energy for safety considerations, which must be given priority over

energy conservation. This action does not negate the Department of Energy's interest in energy conservation. Roane County Executive, Kenneth Yager, has been in contact with DOE officials, and additional meetings with City of Oak Ridge and Roane County officials are being arranged for discussion concerning the bridge.

Personal errands

QUESTION: When an employee leaves the plant to run errands for her supervisor of a completely personal nature, shouldn't the time away from work be noted on the time card? What is the Nuclear Division's policy on this?

ANSWER: It is not uncommon for legitimate, business-related matters to require off-site travel. However, unless circumstances are very unusual, supervisors should not ask employees to run errands of a completely personal nature. If an employee is following instructions of his/her supervisor, the time involved is considered work time and should be shown on the time card.

262nd dividend

The board of directors of Union Carbide has declared the company's 262nd consecutive dividend. The amount is 85 cents per share on the outstanding capital stock, payable December 1, to stockholders of record on November 5. This is the same dividend paid per share on September 1.

UCC Vice President Robert Pyle tours Nuclear Division

ORNL 4587-82



ORNL 4584-82



ORNL 4583-82



TOURING NUCLEAR DIVISION FACILITIES — Union Carbide Vice President Robert E. Pyle, who recently assumed responsibility for the Nuclear Division, visited facilities in Oak Ridge and Paducah earlier this month. In the series of photos above, from left, Pyle tours the Holifield Heavy Ion Research Facility with ORNL Associate Director Alex Zucker (left) and HHIRF Director James B. Ball; gets a demonstration of an experimental acid rain machine from George E. Taylor, ORNL Environmental Sciences Division research staff member; and chats with ORNL Director Herman Postma. Pyle also visited ORGDP, the Y-12 Plant and Paducah Gaseous Diffusion Plant.

Bowling alley notes...

ORGDP Women's...

The Mousechasers hold a comfortable lead in the ORGDP women's League, rolling past the Bowling Aces, 2382 to 2361. Debbie Brown led with a 662 handicap series, as she rolled games of 222, 193 and 247.

The Ten Pinners took recent highs in team rolling, with handicap scores of 863 for a single and 2430 for a series.

Carbide Wednesday...

The Sues Sooners maintain a wide lead in the Carbide Wednesday League. The Demons recently rolled a high handicap count of 3087. Chuck McCluskey rolled a 611 scratch series, and Ellis Kerns posted a 254/284 single. Kerns' 683 handicap series is the new high for this season's competition.

ORNL A...

ORNL's A League has a new leader, as the Woodchoppers have wrested first place from Elwood's Chargers. Roy Vandermeer scored a 730 handicap series, and Lamar Wagoner rolled a 256 single. Wayne McLaughlin's high scratch scoring, with a 235 single, 645 series, set new highs.

Ray Smith passed the 200 mark for averages, with a 202.

K-25 Tuesday...

The Double X team holds a rather safe lead in the K-25 Tuesday bowling circles and also holds a 1071 high handicap single count. The City Slickers are leaders with a 3018 handicap series.

Individual scoring was led by D. M. Williford with a 622/673 series and Len Hart with a 247/259 single.

UCC Mixed...

The Tidy Bowlers have moved up to tie the Split Images in the UCC Mixed Bowling League, two points ahead of

the M & M's. Linda Burnett, Bob DeBakker, and Bobby Rutherford share the high average in the league, with 176.

Monday Mixed...

The Go-Getters and Hi-Rollers share first place in the UCC Monday Mixed League just ahead of the Pace-setters. Bill Muenzer and Penny Jessen, both rolling for the Lucky Strikes, hold high series in the league. Muenzer has a 596 and Jessen a 585.

In singles, George Byrd is still on top with a scratch game of 234 and Mary Johnson holds a 211.

Y-12 Classic...

The Ridgers and Apollo Five are one-half-game leaders in the Y-12 Classic ahead of the Has Beens and Fes-Kids. The Splinters have rolled a fantastic 3314 handicap series with a 1169 single to their credit.

Ernie Lamb's high single of 289 is tops, and Larry Hammonds holds a high series of 726.

Carbide Family Mixed...

In the Carbide Family Mixed League, Dave Foster recently rolled a high 224 single, 569 series. His 249 handicap single was also high, along with John McElligott's 681 handicap series. Edith Duckworth took women's honor with a single of 215/247 and series of 563/659.

Becky Woods rolled three games with the same score, earning a tripligate patch.

Y-12 C...

Charley Baxter, Sunflowers, recently rolled a 235 single, 246 handicap game and a 603 scratch series. The Badger's Dillion posted a 223 single, and the Anode's Cloyd rolled a 221. The Irregular 5's Powers put a 655 handicap series on the boards.

1982 CARBIDE CHRISTMAS DANCE

FRIDAY Dec. 10

9 P.M.
to 1 A.M.

DOORS
OPEN
AT 8

DRESS
SEMI-
FORMAL



TUXEDO JUNCTION

METROPOLIS, ILLINOIS

*George Keller Orchestra
(from Carbondale - Big Band Sound)*

TICKET PRICE 10.00 (SAME FOR ADVANCE AND AT DOOR)
Hors d'oeuvres included

SPECIAL HALF PRICE (5.00) FOR RETIREES AT DOOR

TICKETS AVAILABLE: NOVEMBER, 12

CARBIDERS ONLY - FIRST TWO WEEKS ● GUEST SALES - REMAINING TWO WEEKS

Ticket holders:

Alex Alexander,	Bell 376	Jim Freeman,	Bell 342
Steve Chambers	456	Carol Page	287
Curtis Chenault	307	Scotty Ray	494
Kay Copeland	211	Brenda Rice	285
Ed Cothran	461	Brenda Stokes	386
Jeff Vandeven	407		

APPLICATION FOR TICKETS

PADUCAH CARBIDE CHILDREN'S CHRISTMAS PARTY

(For Children Ages 2-9)

SATURDAY, DECEMBER 11, 9 A.M.

(Doors will open at 8:30 a.m.)

ARCADE THEATRE, PADUCAH, KY.



Employee's Name _____ Badge No. _____

Home Address _____

(Please Print Street Address or RFD, City and Zip Code)

Number of your children who will attend the party (please list)

Name _____ (BOYS) Age _____ Name _____ (GIRLS) Age _____

Name _____ Age _____ Name _____ Age _____

Name _____ Age _____ Name _____ Age _____

NOTE Fill out form completely and return as soon as possible, to the Recreation Office, Union Carbide Corporation, P.O. Box 1410, Paducah, Ky. 42001. Tickets will be mailed to parents at their home addresses.

Application for Tickets



to Oak Ridge Christmas Parties



FOR CHILDREN OF UNION CARBIDES EMPLOYEES

(AGES 2-10 ONLY)

SATURDAY, DECEMBER 18

Employee's Name _____

Home Address _____

City _____ Zip _____

Plant Address _____ Mail Stop _____

Number of Tickets (Children) _____

Number of Tickets (Adults) _____

—CHECK TIME PREFERRED—

Saturday, December 18

Only

9 A.M. _____ 11 A.M. _____ 1 P.M. _____ 3 P.M. _____

Please mark first and second choice (write in space "1" or "2") as only a limited number of tickets will be issued for each party. Preference will be given to early applicants and if tickets for first choice are exhausted, tickets for second choice will be issued.

Return this form, properly and completely filled out, to the Carbide Recreation Office, Building 9711-5, Mail Stop 1, Y-12 Plant. Please apply for tickets before December 11.

Union Carbide Retirees Association



P.O. Box 3501 P.O. Box 238
Oak Ridge, TN 37830 Paducah, KY 42001

576-1786

News editor: Al Burris Associate editor: Warner Taylor

A special thanks to Dramia Smith for the excellent job she did in recruiting and scheduling the 28 retirees who worked at ORNL during the Medic blood drive last month. The volunteers enjoyed their work so much that they offered to work during drives at the other facilities if needed. Their assistance was certainly appreciated.

Emmett Moore will coordinate volunteer workers for the Y-12 blood drive, which will be held in early December. Emmett is already enlisting volunteers, and anyone who is interested may call him at 483-5979.

Christmas party

It has been several months since we announced our plans for a very special Christmas party this year, so we want to remind you that the event is less than a month away!

Date: December 9
Place: Elks Lodge, Oak Ridge
Music by: Back Door Band
Time: 8 p.m. to midnight

We are excited about having a band for the first time, and if you have never heard the Back Door Band, you are in for a treat.

Since the ballroom at the Elks Club will not accommodate more than 250 people, reservations will be required. Don and Ann Matlock are in charge of the party, and reservations may be made by contacting them at 483-

6733 or 114 W. Iona Circle, Oak Ridge, 37830. You also may call or write the UCRA office.

There also will be a minimal charge to offset the cost of the band and room rental; the amount will be announced in the next issue of *Nuclear Division News*. Tables will not be reserved.

All Carbide retirees and spouses, widows and widowers are invited to attend. Membership in UCRA is not necessary.

Travel news

The last of our 1982 trips takes place this month when our group of Carbide retirees, employees and friends flies to Las Vegas for four days of entertainment during the long Thanksgiving weekend. For those who are not participating, we hope you will plan to go with us to Mexico, Hawaii or Nova Scotia in 1983.

Bowling League news

Recent highlights of the UCRA Bowling League include:

Men's: High scratch game — Virgil Murphy, 234; high handicap game — Jim Moore, 261; scratch series — Ernie Bogle, 604; and handicap series — Jim Conners, 668.

Women's: High scratch game — Fay Hale, 217; high handicap game — Fay Hale, 265; scratch series — Mary Eckhardt, 503; and handicap series — Emma Taylor, 623.



NEW METEOROLOGICAL TOWER — Gerald R. Jones and James W. Skidmore (top, partially hidden), ORNL lineman, descend the 100-meter tower after checking the meteorological equipment.

New towers installed at ORNL

Information is now being gathered from a new system of meteorological equipment designed to improve air monitoring and emergency management capabilities at ORNL.

The meteorological equipment, mounted on a 100-meter and two 30-meter towers at different Laboratory locations, provides data to ORNL's Department of Environmental Management. The instruments measure wind speed and direction, temperature and temperature differences at various altitudes, humidity, rainfall and barometric pressure.

The meteorological towers are to be part of a network of similar towers at other area facilities, including the Y-12 Plant, ORGDP, Clinch River Breeder Reactor Project and TVA's Bull Run and Kingston power plants.

"Through the use of central monitoring and computer storage facilities, we will be equipped to determine meteorological conditions at all of these facilities at any time, in case of any incident or release of hazardous materials," said Thomas W. Oakes, ORNL environmental coordinator. "Used in combination with our existing air monitoring system, this will provide a big boost to our total environmental monitoring program."

The height differences in the ORNL towers are significant, according to Oakes. "Recent tests involving smoke-plume monitoring have indicated that materials released from

the same area may move in the air in different directions, according to altitude and variety of terrain. Therefore, it's important to have monitoring equipment in several locations and at various altitudes to effectively determine plume or material movement," he said.

The height and placement of the towers were determined by a meteorological user committee, chaired by Oakes and composed of representatives from Y-12, ORGDP, the National Oceanic and Atmospheric Administration, and the ORNL Shift Supervisors' Office and Health and Safety Research, Operations, Environmental Sciences and Energy Divisions.

Planning began in 1980 for the system, which meets the following objectives: provides a means for predicting patterns of movement of material in case of a release; conforms to a DOE order on determining Cumulative Population Dosages for the area; and meets all EPA monitoring standards, as well as providing improved research capabilities.

The 100-meter tower also is equipped with instrumentation that provides solar-intensity measurements. Oakes said that his staff would provide meteorological information to the Shift Supervisors' Office when necessary. Air samplers and other research equipment also may be added near the towers soon, he said.



ON ALASKA TRIP — On their recent trip to Alaska, Nuclear Division retirees placed a sign that reads, "4350 Miles to Oak Ridge, TN" on this site at mile 635 on the Alaska Highway. The sign joins hundreds of others from cities all over the world.

No #.



JoAnn Pharis

Thanksgiving more than ...

(Continued from page 1)

From Y-12's Computer Sciences, **Jean G. Jones** says she has so many things to be thankful for that it's difficult to innumerate them. "First I would list good health...and, then, always, there are your family and friends. With all of that, you really don't need anything else."

From Y-12's General Shops, **Chester R. Anderson** and **James F. Ball Sr.** list the bounty of the land we live in as part of their Thanksgiving. "I am proud to live in an area where most people are prosperous and will have lots of food on the table for Thanksgiving Day," Anderson said.

Ball listed "good health as one of the main things I am thankful for. I will be retiring at the end of the year and am looking forward to enjoying my retirement days and continued good health."

JoAnn Pharis of the Paducah Employee Relations Division said that she is most thankful for "God and my family. I feel that through belief in God all else is provided. My family helps me to enjoy those things that God has given," she added.

Nancy Hardin of ORNL's Environmental Sciences Division said, "I'm thankful for family and friends, good health and the fact that I'm employed, but I am especially thankful for the freedom that we still enjoy."

When asked what things she is most thankful for, **Melissa Alexander**, Engineering Division at Paducah, replied, "I'm very thankful for the freedom of worship, which allows me to publicly serve the Lord. I'm also thankful for my close family and friends and the love that they've given me. And, of course, my health means a lot to me, because it enables me to enjoy life."

Sandra Hough, who works in General Accounting's Information Processing Center at the Federal Office Building, said she is especially thankful this year to still have her

home. "A few weeks ago our home almost caught on fire when a heating element malfunctioned in the dishwasher. I started the dishwasher as we left for work that morning. Upon returning about 10 hours later, we were greeted by the horrible smell of melted plastic. The element had continued to heat all day and everything meltable in the dishwasher — including the inside coating, cutlery trays and plastic dishes — was gone. Counter tops and appliances nearby were hot to the touch. I am so thankful we didn't go shopping or out to dinner before coming home that evening," she said.



Sandra Hough

Lowell M. Foust, who works in ORNL's Plant and Equipment Division, said, "Most of all, I'm thankful to be alive each day. I'm especially thankful for the many blessings that we have had, for my family and for my good health."

Nuclear Division engineers organize new scouting group

Nuclear Division engineers have helped organize a new scouting group, the Oak Ridge Engineering Explorer Post 322. Membership is open to anyone between the ages of 14 and 20 who is interested in learning about the field of engineering.

The Post recently held its first meeting at ORAU. Dan Johnson, field director of the Great Smoky Mountain Council, Boy Scouts of America, presented the Post's charter to Finis S. Patton, director of Engineering for the Nuclear Division.

A panel of practicing engineers discussed careers in engineering. Panelists were Patton; L. Mike Cuddy, head of the Mechanical Engi-

neering Department at ORNL; Paul Jorden, engineering manufacturer's representative at Holterhoff and Associates of Knoxville; and Edward Stickle, Y-12 Engineering, who currently serves as president of the Oak Ridge Chapter of the Tennessee Society of Professional Engineers.

Post 322 will meet each month to hear talks on various engineering disciplines, participate in tours of engineering, solar, hydroelectric and nuclear facilities; discuss high school and college curriculums; and receive information on job outlooks and salary trends.

For additional information, contact Earl Allred at 4-4442.

Save Energy / Share The Ride

ORNL

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 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.

VAN POOL RIDERS NEEDED from UT and West Knoxville area to main portals, 8:15-4:45. S. L. Wyatt, plant phone 4-4165; home phone 584-4839.

RIDERS NEEDED FOR BUS POOL from Maryville via Highway 73, with stops in Lenoir City. Joel Horton, plant phone 4-3121; home phone 983-9160.

ORGDP

CAR POOL MEMBERS NEEDED from West Hills to Portal 2, 7:45-4:15. Steve Napolitan, plant phone

4-9707; home phone 588-6190.

CAR POOL MEMBER NEEDED from Walker Springs/I-40 to Portal 2 and K-1007, 7:45-4:15. Call George Pilgram, plant phone 6-0506; home phone 690-6856.

RIDE WANTED from Hardin Valley/Pellissippi Parkway Area to Portal 7, "B" Shift. Call M. C. Quarles, plant phone 4-8994; home phone 690-5165.

CAR POOL MEMBER from Clinton, via Oak Ridge, to Portals 2, 3 or 4, 8-4:30. Margaret Mayes, plant phone 6-0232; home phone Clinton 457-4848.

Y-12

RIDERS NEEDED FOR BUS POOL from Maryville via Alcoa Highway with stops in Knoxville and potential stops on Pellissippi Parkway. Joel Horton, plant phone 4-3121; home phone 983-9160.

RIDE OR WILL JOIN CAR POOL from Hardin Valley area to Bear Creek Portal, 8-4:30. Lloyd Quarles, plant phone 4-3718; home phone Knoxville 690-5165.

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