

# NUCLEAR DIVISION NEWS

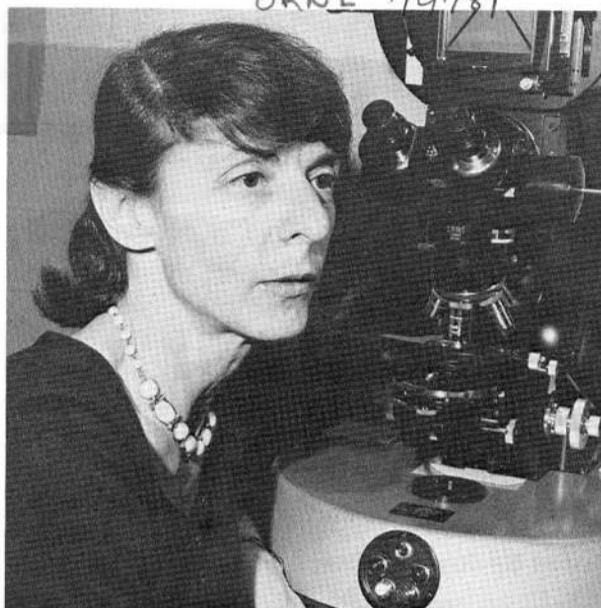
A Newspaper for the Employees of the Nuclear Division, Union Carbide Corporation

Volume 14/Number 14

July 14, 1983



## Liane B. Russell named Corporate Fellow



Liane B. Russell

Liane B. Russell, head of the mammalian genetics and teratology section in the ORNL Biology Division, has been designated a Corporate Fellow of Union Carbide Corporation.

"Designation as a Corporate Fellow is made on a limited basis to those who have chosen research as a career and whose contributions have been both significant and continually high over a period of years," said Roger F. Hibbs, president of the Nuclear Division.

Russell has achieved international recognition for her major contributions to studies of the genetic and reproductive effects of radiations and chemical agents in mice and in certain areas of basic mammalian genetics. She has performed pioneering research to provide a broad basis for assessment of genetic risk to humans from radiations and chemicals.

Among genetic tests she has developed that are used worldwide are the mouse spot test, in which a spot of altered color in a mouse's fur indicates genetic damage from a test substance, and a numerical sex-chromosome-anomaly test that is a genetic method for determining whether an environmental agent has caused the chromosomes to separate improperly during germ-cell divisions. A test of early developmental damage developed by Russell is the "homeotic shift method," which uses specific characteristics of certain mouse strains to indicate the effects

of even very small doses of radiation or chemicals received during embryonic life. Among her discoveries in basic genetics is the finding that only one of the two X chromosomes of female mammals is genetically active.

Russell, a native of Vienna, Austria, joined the Nuclear Division in 1947 after receiving her bachelor's degree from Hunter College, New York. She received her PhD from the University of Chicago in 1949.

She served as scientific advisor to the U.S. delegation at the first Atoms for Peace Conference held in Geneva, Switzerland, in 1955. In 1973 she was the first woman and the youngest person ever to receive the internationally awarded Roentgen Medal. She was elected to the Hunter College Hall of Fame in 1979.

Russell is a member of various committees and boards of the National Academy of Sciences and of the International Commission for Protection against Environmental Mutagens and Carcinogens, a fellow of the American Association for the Advancement of Science, president-elect of the Environmental Mutagen Society, and serves on the editorial boards of *Mutation Research* and *Environmental Mutagenesis*.

Russell and her husband, William, a Biology Division consultant, live at 130 Tabor Road, Oak Ridge. They have two children.

### In this issue . . .

A feature on Charlene Burt, ORNL's unofficial "plant doctor" from the Plant and Equipment Division, is found on page 5.

Other features:

Question Box . . . . . page 4  
 Retirees' column . . . . . page 7  
 Community Service Awards Program . . . . . page 8

## Nuclear Division selected as 'Employer of the Year'

The Nuclear Division has been honored by the National Council on Communications Disorders (NCCD) for its efforts in employing the handicapped and in providing employee programs to heighten awareness of communicative disorders. The Division received the NCCD's "Employer of the Year Award" presented annually to an employer in business or industry who hires or facilitates employment of the communicatively handicapped.

According to the NCCD, the Nuclear Division has demonstrated "a firm commitment to employment of the handicapped" and has developed many programs for deaf and hearing-impaired employees, including:

- A 50-minute videotape demonstrating the variety of jobs held by Nuclear Division handicapped employees, the problems these employees encounter, and possible solutions.
- Other videotapes and programs for all Division employees to promote understanding of persons with communicative disorders.
- Active recruiting for deaf employees through colleges and universities and the

(Please turn to page 3)



**WITH NCCD AWARD** — Displaying the "Employer of the Year Award" are, from left, Frank E. Horton, ORGDP Affirmative Action coordinator; Jane L. Patterson, a former coordinator of Employment for the Handicapped; Nuclear Division Vice President Clyde C. Hopkins; Joanne S. Gailar, Nuclear Division Equal Opportunity coordinator; Barbara G. Ashdown, ORNL Affirmative Action coordinator; and Hosie Simmons Jr., Y-12 Affirmative Action coordinator.

# Arnold Godsey named Y-12 department head

Arnold R. Godsey Jr. has been appointed head of the Production Chemical Engineering Department in Process Engineering.



A native of Sweetwater, Godsey attended Tennessee Wesleyan College and received his bachelor's degree in chemical engineering from the University of Tennessee. He has also done graduate work at UT and is a registered professional engineer.

**Godsey**

Godsey joined the Y-12 Plant in 1960. From 1970 to 1975 he served as a section head in Engineering Mechanics at Y-12, and he was head of that department at ORNL from 1975 to 1982. Recently he has been design coordinator for Nuclear Division Engineering at Y-12.

Godsey is a member of Tau Beta Pi honorary society and was co-winner of an IR-100 award for developing the Y-12 Acid Waste Facility. He and his wife, Mary, have two children. They live on West Ridge Road in Knoxville.



**1983 ORNL UNITED WAY COMMITTEE** — Herb Trammell, ORNL United Way chairman, has announced his campaign staff for 1983. Pictured at their first meeting are, seated from left, Marjorie Skipper, assistant to the treasurer; Trammell; and Jerry Swanks, co-chairman. Standing, from left, are Linda Bockman, assistant to the chairman; Paula Wright, publicity; Bob Sherlin, treasurer; Carl Johnson, associate chairman for the Atomic Trades and Labor Council; Jane Patterson, materials manager; and Jane Flanagan, solicitor training director. Not pictured are G. C. (Gerry) Johnson, associate chairman for the International Guards Union of America; G. F. R. (Gerry) Johnson, deputy treasurer; and Norma Callaham, transportation coordinator.

## Correction . . .

In the June 30 issue of *Nuclear Division News*, information was omitted from the obituary on Fred Jones Jr., a Y-12 employee. The names of Mr. Jones' daughters, Kimberly Jones and Tori Jones Scott, both of Oak Ridge, were not included in the list of surviving family members. The *News* editor regrets the omission.

## Safety tip

Turn on the defroster and fan to cut condensation on the inside of the windshield when it's foggy.

# Save Energy-Share the Ride

### ORGDP

**CAR POOL MEMBERS WANTED** from Farragut to Portals 3, 2 and 8, day shift. Don Muldrew, plant phone 6-0353; or Lonnie Holleman, 4-9048.

**RIDE NEEDED** from Hillside Drive, off Pennsylvania in Oak Ridge, to Portal 7, day shift. Velma Moore, plant phone 4-8807; home phone 483-9732.

**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.

**CAR POOL MEMBERS WANTED** from Cedar Bluff Shopping Center to Portal 2, day shift. Fredrick Markham, plant phone 6-2504, home phone 691-3067; or Roy Munsey, plant phone 4-7903, home phone 693-0130.

**TWO RIDERS NEEDED** from Cedar Springs Shopping Center or immediate vicinity to Portals 2 or 3, day shift. Plant phone 6-2810.

### 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** (five-person car pool) from Middlebrook Pike (Landmark, Stonebrook and Crestwood subdivisions) and Piney Grove Church Road to East Portal. Contact J. W. Sims, plant phone 4-5926, home phone 693-8829; or J. W. Nave, plant phone 4-4485, home phone 690-4395.

**CAR POOL MEMBER NEEDED** from Cloth World (Kingston Pike) to East, West or North Portal, 8-4:30. Paula, plant phone 4-4168; home phone 588-7765.

### Y-12

**VAN POOL RIDERS NEEDED** from Lake City, Norris and Clinton, 7:30-4. 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.

**RIDE NEEDED** from Joyner Community, 7:30-4. Brenda Burch, plant phone 4-2961; home phone 324-8492.

**WANT TO JOIN CAR POOL** from West Hills area, Knoxville, to Pine Ridge Portal, 7:30-4. Lynne Parker, home phone 690-8004.

**WANT TO JOIN or FORM CAR POOL** from Cumberland Estates Shopping Center, Knoxville, 8-4:30. Tom Butcher, plant phone 4-0481; home phone 584-8013.

**NEED TO JOIN OR FORM CAR POOL** from Burlington area, East Knoxville, to Pine Ridge Portal, "H" shift. J. C. Johnson, plant phone 4-3483; home phone 637-9609.

Published every other week for employees such as:

Pad. 8564



**McArthur Moore of the Paducah Plant's Safety Department.**



## Nuclear Division News

UNION CARBIDE CORPORATION  
NUCLEAR DIVISION  
Post Office Box Y  
Oak Ridge, Tenn. 37830

**EDITOR (Y-12)**  
Cindy Ross Lundy, 574-1643

**ORNL**  
Marilyn Z. McLaughlin, 574-4163

**ORGDP**  
Ruby A. Miller, 574-8092

**PADUCAH**  
Laura Trevor, Bell 208



# Employees donate 8,960 units during Medic drives

A total of 8,960 units of whole blood has been collected from Nuclear Division employees at the three Oak Ridge facilities by Medic since last August. This represents donations from some 54 percent of the approximately 16,730 employees at ORGDP, ORNL and Y-12. An even larger number of potential donors (10,088, or 60 percent) were registered as potential donors, but some were temporarily deferred or disqualified for medical reasons.

This was the Nuclear Division's first year of union/management involvement with Medic blood drives. Under the Blanket Blood Coverage Program, all employees of the Oak Ridge facilities and their IRS dependents are exempt from blood suppliers' processing fees anywhere in the United States.

"The unusual response to appeals for donations at all three plants has, we believe, influenced area business and industry expectations regarding what can be achieved," said Dr. Carl Nelson, medical director for Medic. "It is gratifying to see such positive dedication and determination as that shown by every single person involved in the Carbide drives," he added.

Jim Nook, who chaired Y-12's December drive, said, "What impressed me most was not the numbers we got, which were tremendous, but the spirit with which each person gave. It seemed that each donor felt it a privilege to give."

## Employee participation in Medic blood drives July 1982-June 1983

	Number of potential donors present at drives	Number of actual units received
ORGDP	2,804 (63 percent)	2,480 (55 percent)
ORNL	2,675 (62 percent)	2,392 (55 percent)
Y-12	4,608 (58 percent)	4,088 (52 percent)
Total	10,088 (60 percent)	8,960 (54 percent)

Nook is one of several facility chairmen who helped organize and schedule the six drives, held every other month at one of the three installations. "The succession of successes and the smooth operation of the drives were directly related to the caliber of people who chaired them" said Jean Drennen, Medic director of program development. Others who chaired drives were: Fran DeLozier and Roy Fenstermaker of ORGDP, Grover Cain and Susan Whatley of ORNL and Bill Maddux of Y-12.

Each drive lasted three or four days, involving approximately 45 Medic staff members as well as a contingent of Carbide retirees who volunteered their assistance for every phase, from sign-in to pouring coffee for the donors.

The drives produced from 1263 to 2145

units of whole blood each, enabling the blood center to keep up with a recent 20 percent increase in usage at the 27 hospitals in East Tennessee and Southeast Kentucky supplied solely by Medic. Presently, Medic collects an average of 250 units each day to meet this need, through in-house donations and blood drives in businesses and communities.

Dr. Nelson said that while "Carbide's response to donations was miraculous, the real wonder is that for every donor there is a patient — or two or three — who will feel better or become well again."

He explained that, with the increased use of blood component therapy to treat specific illnesses or deficiencies, several patients now may benefit from one donation.

## 'Employer of the Year'

(Continued from page 1)

State Department of Vocational Rehabilitation.

- Providing deaf and hearing-impaired employees with necessary equipment to accommodate their needs in the work area.

- Assisting deaf and hearing-impaired employees to achieve maximum potential in their jobs through career planning programs, interpreting services, sign-language courses for nonhandicapped colleagues and supervisors, seminars and workshops.

The Nuclear Division currently employs 17 deaf persons. These employees occupy a broad spectrum of occupations, which include machinists, typists, keypunch operators, drafting technicians, laboratory technicians and reproduction clerks.

Nuclear Division Vice President Clyde C. Hopkins accepted the "Employer of the Year Award" at the NCCD awards dinner in Washington. The following day, Equal Employment Opportunity Coordinator Joanne S. Gailar and Jane L. Patterson, a former coordinator of Employment for the Handicapped, participated in a day-long symposium on communicative disorders. Gailar spoke on "Getting the Affirmative Action Program off the Ground" and establishing relations with Vocational Rehabilitation, while Patterson discussed the actions that have been taken in the Nuclear Division to accommodate and incorporate deaf employees.



**SECOND MAGNET FOR LCTF** — Ray Beuligmann of General Dynamics-Convair Division, San Diego, was among the speakers at a ceremony June 28 to recognize the arrival of a second superconducting electromagnetic coil at ORNL's Large Coil Test Facility (LCTF). The General Dynamics magnet, 20 feet tall and weighing 45 tons, is externally identical to the Japan Atomic Energy Research Institute magnet received here late last year, although all six magnets to be received will be different internally for purposes of performance comparison. In November the LCTF staff will begin "two-coil tests" to check out the facility's vacuum, cryogenic, safety and instrumentation systems. The LCTF, built as part of the U.S. effort to develop superconducting magnets for toroidal fusion reactors, is located in Building 9204-1 at Y-12.

Question Box

## Classified ads in *Nuclear Division News*?

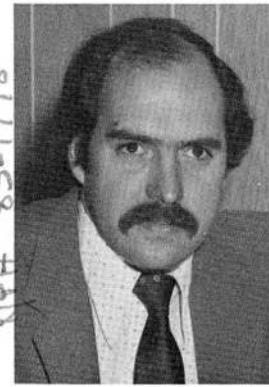
**QUESTION:** Why doesn't the *Nuclear Division News* contain "Lost and Found" and "Want Ads" sections as a service to employees? The publications of other Carbide subsidiaries, such as the South Charleston, W. Va., plant do.

**ANSWER:** The possibility of including "want ads" in *Nuclear Division News* has been considered in the past. It is estimated that such a column would require a minimum of a page in each eight-page issue. Since

readership surveys have indicated low interest in such a column, it was declared not to include "want ads" in the newspaper.

### Next issue . . .

The deadline for the next issue of *Nuclear Division News* is Wednesday, July 20. The issue will be dated July 28.



K/PH 83-1778

**Brown**



K/PH 83-1777

**Phillips**

## Brown, Phillips promoted at ORGDP

Tate J. Brown and Leonard P. Phillips Jr. have been promoted to development associates in the component stress analysis group, Centrifuge Development Department, Separation Systems Division at ORGDP. Previously both men were senior laboratory technicians in the Division's Test and Operations group.

Brown is originally from Harriman. He received his BS in mathematics from Tennessee Technological University and is attending evening school at the University of Tennessee. He joined the Nuclear Division in July 1977.

Brown and his wife, Lela Ann, live on Leona Road in Lenoir City. He is a member of an Atari Computer Users Group.

A native of Tullahoma, Phillips attended Motlow State Community College and graduated from Tennessee Technological University with a BS in industrial technology. He also is attending the University of Tennessee.

Phillips joined the Nuclear Division in March 1977. He and his wife, Marianne, live on Brookview Drive in Lenoir City.

## Cleveland promoted in Metal Preparation

David M. Cleveland Jr. has been named an assistant general foreman in the Metal Preparation Division at the Y-12 Plant.



Y-12 214353

Cleveland will have supervisory responsibilities for activities in the Rubber and Plastics Areas of the Metal Preparation Division. A native of Sweetwater, he joined the Nuclear Division in 1953 as a process supervisor at Y-12.

**Cleveland** Cleveland received a BS in chemistry from the University of the South and has done postgraduate work at the University of Tennessee. He is a member of the Society of Plastics Engineers and the Monroe County Commission.

He and his wife, the former Jacqueline Streitberger, live at 1310 Park Street in Sweetwater. They have two daughters.

## Company Service Anniversaries



Badger

**Mary P. Sims**  
General Accounting  
ORGDP  
40 years



Badger

**Ida F. Machir**  
General Accounting  
ORGDP  
40 years



Y-12 214713

**Robert D. Ellingson**  
Assembly  
Y-12  
40 years

### ORGDP

#### 35 YEARS

John A. Cochran, Process Support Division; Thomas W. Fulton Jr., Separation Systems Division.

#### 30 YEARS

Annamae J. Kobisk, Engineering; Mendle B. Phillips, Maintenance Division; Donald R. Vanover, Operations Division.

#### 25 YEARS

Harwell F. Smith Jr.

#### 20 YEARS

Woodrow Jackson Jr., Hobert L. Simmons Jr. and Betty B. Wilkerson.

### Y-12

#### 40 YEARS

F. Delmar Bender, Industrial Engineering.

#### 35 YEARS

Alexander K. Johnson Jr., Maintenance.

#### 30 YEARS

Lytle W. West and Fred R. Hardin, Metal Preparation; and William V. Blankenship Jr., Thomas N. Breazeale and Harold B. Milhorn, Maintenance.

#### 25 YEARS

Frederick L. Back, Herman G. Crigger, Shelton M. Hastings, Robert A. Curtis, George S. Stubbs and Luther H. Watson.

#### 20 YEARS

Paul A. Galyon.

### PADUCAH

#### 30 YEARS

Lennis B. Robertson, Process Maintenance.

#### 25 YEARS

Clovis R. Copeland.

### ORNL

#### 35 YEARS

Louie C. Henley, Industrial Safety and Applied Health Physics; Cecil R. Henline, Finance and Materials; Everett G. Richardson Jr., Physics; Emerson R. Rohrer, Instrumentation and Controls; Charles A. Culpepper, Operations; William H. Farmer, Metals and Ceramics; Charles F. Coleman, Chemical Technology; Charles F. Holloway, Engineering; and Richard B. Gallaher Sr., Engineering Technology.

#### 30 YEARS

Enoch L. Youngblood Jr., Chemical Technology; William N. Drewery Jr., Information; Jean W. Bangham, Biology; Richard D. Cheverton, Engineering Technology; and Helen H. Brown, Information Services.

#### 25 YEARS

Philip D. Miller Jr., David R. Vondy, Robert E. Cleveland, John A. Rucker, Herman D. Smith, Ross D. Thomas and John E. Jones Jr.

#### 20 YEARS

Billy G. Blaylock, Thomas H. Frye, Willie F. Kirk, Jay D. Story and Shirley P. Ogle.

# ORNL 'plant doctor' uses green thumb on the job

*(Editor's note: The following article is part of a continuing series about Nuclear Division employees with interesting or unusual occupations. If you are involved in a job that's just a little "out of the ordinary," or if you know of someone who is, please contact one of the Nuclear Division News editors listed on the masthead. We'll be happy to consider your suggestion for a possible feature.)*

If proper watering, gentle caresses and those special "conversations" with your office plants have produced only brown stalks instead of the desired verdant foilage, Charlene Burt may have the prescription. She is ORNL's unofficial "plant doctor" from the Plant and Equipment Division. In her case, "plant" refers not only to the physical facility but also to the vegetation gracing the grounds, many offices and lobbies at ORNL.

Burt's job responsibilities include the propagation, nurturing and maintenance of office and ornamental plants. She credits Dvon Brogan, a supervisor in the Plant and Equipment Division, with fostering her interest and education in the care of plants and shrubs. Brogan, who is in charge of the landscaping and maintenance of the grounds, was Burt's prime source for horticultural tips needed to help cultivate her "green thumb."

"On rainy days when I couldn't work outside, I would be assigned the job of working in the greenhouse (located on Southside Drive in the 3500 area)," Burt said. "I started reading books on plants and visiting greenhouses in the area on the weekends to obtain cuttings — mostly of very unusual plants — to take back and propagate in the greenhouse."

With Brogan supplying the necessary potting soils, planters and growing materials for the greenhouse's budding crop of vegetation, there was soon an abundant supply of plant species. It was actually cheaper to use certain types of the "in-house" plants rather than to make purchases from local nurseries.

As the popularity of the greenhouse project grew, requests were made for Burt to supply and assist in the selection of plants for specific offices or lobby areas. "The amount of light and the personnel available to care for the plants are the primary factors to be considered," said Burt. Devil's ivy is the most



**HANDLING HUSTLER** — Burt uses the "Hustler" to cut grass in front of the greenhouse, located on Southside Drive in the 3500 area.



**PAMPERING PACASANDRA** — Burt and Dvon Brogan examine pacasandra, a ground cover, which has been used recently around the base of trees at ORNL.



**NURTURING PLANTS** — Burt nurtures her favorite plant, the Boston fern, which is one of the many species propagated and maintained in the greenhouse.

popular plant requested, but she personally prefers the Boston fern because of its "frilly" appearance.

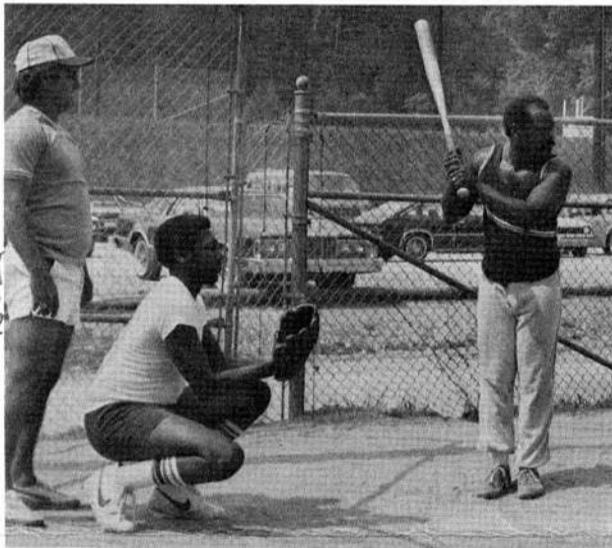
There are many other aspects of Burt's job that require more than a healthy green thumb. Because good physical condition and health are important for her job, she runs about two miles a day and tries to stick to a daily exercise routine. One of the first women laborers hired at ORNL in 1976 (there are now about 10), Burt is no stranger to manual labor. Previously, she had experience building a chicken house, barn and fences. She also had driven tractors and operated other types of

farm machinery. Employees may have seen her in action using a riding mower; weed eater; or snow-removal equipment.

"My job never becomes monotonous, and that's one reason I enjoy it. There are so many different things to do," she said. Some of those activities include delivering mail, digging ditches, mixing concrete for the crafts, washing cars, cleaning buses and occasionally even setting a mouse trap.

She and her husband, Joe, an electrician in the Plant and Equipment Division, and a son and daughter live on a minifarm in Anderson County.

# First Y-12 Maintenance picnic



**AT MAINTENANCE DIVISION PICNIC** — Some 550 employees, retirees and family members attended the recent Y-12 Maintenance Division picnic held at Clark Center Recreation Park. Activities included a tug-of-war contest (won by the Electrical and Electronics Department), softball tournament and greased-pole climb. Winners in other events included Harold Cofer and Myra Stroud (hole-in-one contests), and Tom Norris and Jim Galyon (horseshoe-pitching competition). Music for the event, which Division planners hope will become an annual affair, was provided by the Knoxville Grass.

## Nuclear Division golf league action . . .

### Y-12 . . .

Jim George's outstanding 65 led the Division I field in recent Y-12 golf action at Cedar Hills. Other top finishers included Mike Emery, 67; and Bob Carmack, Ed Crowder and S. K. Owensby, who tied with 72's.

John Towle and Lanny Dukes tied for the top Division II spot with scores of 81. They were trailed by Wen Thomas and Clark Bridgeman, who shot 82's, and Mike Whitt, with an 85.

In Division III action, Tom Compton and Jack McDonald led the field, shooting 86's. Other low scores were carded by Avery Kendig, 88; and Earl Smith and V. R. Hart, 91.

### ORGDP . . .

H. Cresswell took top Division I honors in the recent ORGDP golf tourney at Wallace Hills, shooting a 74. Other top scorers were C. McBee, 75; G. Bird, 77; L. Caldwell, 76; and J. Kirkpatrick, 77.

The Division II winner was E. R. Brewster, who carded an 81. He was followed by Steve Hinton and Jake Horton, 82; Bill Owen, 83; and Bill Schwab, 84.

Low scorer in Division II action was Bob Carter, with an 80. Other top finishers included Mike

Fung, 88; C. B. Henegar, 89; Roy Munsey, 91; and J. R. Fox, 92.

### ORNL . . .

In recent ORNL Division I play at Dead Horse Lake, D. Dutton and H. Tuck led the field, shooting 70's. They were trailed by L. Manley, 75; A. Wright, 77; and G. Holt, 78.

R. DeBakker and D. Hines tied for the top spot in Division II action, shooting 83's. They were followed by R. Livesay, 85; and J. Jackson and D. Montgomery, 86.

Division III linksters were led by R. Pawel, 83; P. Cooper and D. Easton, 90; C. Brown, 92; and R. Coleman, 93.

## 'Lucky Strikes' take lead in Monday Mixed League

The Lucky Strikes lead the Union Carbide Monday Mixed Bowling League, followed by the Whovers and Strikeouts. Bill Muenzer maintains the men's high average of 185, with Ruth Hardin (165) leading in women's action.

**Tee-off time application for:**  
July 30, 1983



(Check appropriate plant)

- ORGDP—Cedar Hills
- Y-12—Southwest Point
- ORNL—Wallace Hills
- Time preferred: \_\_\_\_\_

Leader:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**COMPLETE AND RETURN TO THE  
Y-12 RECREATION OFFICE  
Y-12 — BUILDING 9109-MS-2**

Entries must be received prior to drawing  
on July 28, 1983.

Tee-off times for all tournaments will be drawn on Thursdays prior to each Saturday's tournament. Please call the Recreation Department, 4-1597, after 12:00 p.m. Thursday for time.

## Bowlers, teams needed for Y-12 'C' League

New teams and individual bowlers are needed for the Y-12 "C" Bowling League. The league is the only one that will accommodate shift bowlers from any of the Oak Ridge plants. For more information about league play, which begins in September, call Dick Huber (4-3652) or the Recreation Department (4-1597).

## Two Paducah teams tie in softball standings

Standings in the Paducah Plant softball league are as follows:

Team	Won	Lost
Foul Balls	5	1
Riff Raff	5	1
Ball Busters	5	2
'D' fenders	3	2
Sweet Ole Bill's Gang	3	2
The 'A' Team	2	3
Bobcats	2	3
Buschleaguers	1	3
Mean Machine	1	3
Benchwarmers	0	7

## Larry Weston captures high-power rifle crown

Larry Weston of ORNL won the fourth high-power rifle match of the season, scoring a 733 out of a possible 800. Roger Wiegand of Y-12 claimed second place with a 732, while ORNL's Harry Hoy finished third with a 728. Other scorers included: H. Bertini (ORNL), 697; R. Crawford (ORNL), 683; C. Smith (ORNL), 635; D. Bland, (Y-12), 607; M. Baker (ORNL), 572; and A. Shifflett (DOE), 555.

# Retirees share news of recent trip and activities

by Virginia Donahoe  
UCRA president

Our fifth and final chartered flight to Hawaii will return to Knoxville July 17. The five flights carried more than 1000 people, mostly Carbide employees, retirees, family members and friends. For those who have asked, UCRA will not include another Hawaii trip in next year's travel plans, although many of this year's participants plan to return on their own. It is a truly beautiful trip and offers a wide variety of recreational, entertainment and sight-seeing activities.

Among the trips that we are planning for next year are a Caribbean cruise and a trip to Europe.

### Thank you

Thanks to all of the volunteers who worked at the Y-12 blood drive in June. Mabel Tyer and Emmett Moore, chairman and co-

chairman, did an excellent job of recruiting and scheduling our volunteer workers.

Congratulations to the drive organizers and all donors. This was the most impressive effort we've seen!

### Novelty band

We think we're going to have great fun with our novelty band. We have a good group of real musicians, plus a number of not-so-talented players. A special feature will be the "Quirk Sisters," who were chosen for their flair for giving bizarre performances! We still need a bass guitarist and someone to play the spoons. Please call if you have any recommendations.

We also need suggestions for both a band name and theme song. Tickets to our performances will be awarded to those submitting winning suggestions. Contest entries may be telephoned or mailed to the UCRA office. Winners will be announced in this column.

### Paducah news

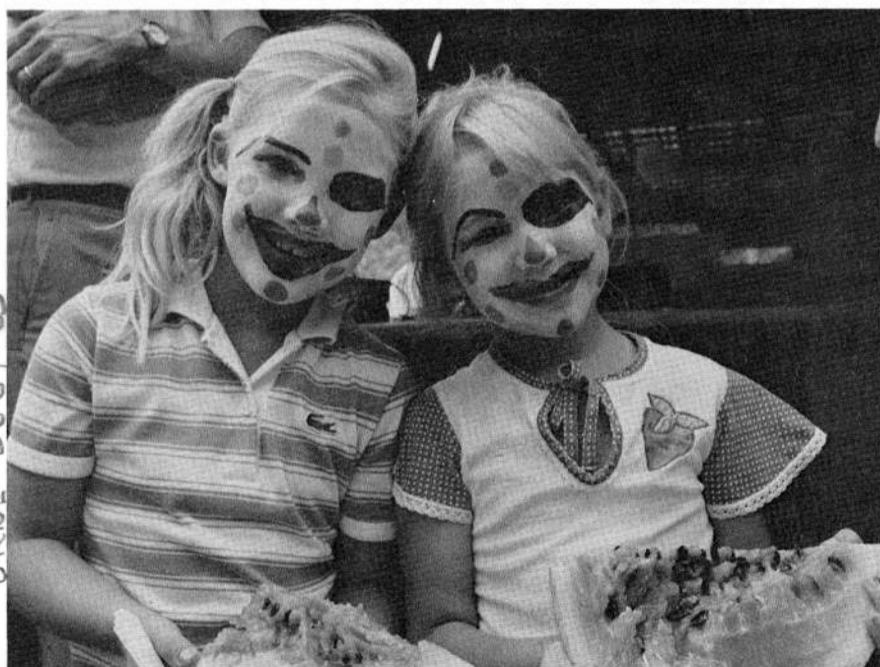
Paducah retirees enjoyed the barbershop harmony of the Kentucky Transfer Quartet following a recent business meeting. The popular group has also entertained such notables as country music star Louise Mandrell.

Welcome to the 10 new members of the Paducah retirees' group!

### Membership information

We are printing the UCRA membership application form again for 1983. Paducah retirees who want to join should complete the form and mail it to the Oak Ridge office for processing. The checks and forms will be forwarded to Gene White in Paducah.

## Fun at Engineering picnic



## Union Carbide Retirees' Association



576-1786  
P.O. Box 3501  
Oak Ridge, TN 37830

### UNION CARBIDE RETIREES ASSOCIATION

Membership Application  
576-1786

Annual fee: \$1 per member \$2 member and spouse

New member \_\_\_\_\_ Renewal \_\_\_\_\_

Name \_\_\_\_\_

Spouse \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone—Area Code \_\_\_\_\_/Number \_\_\_\_\_

(Please note if applicant is widow or widower. Fill in "Spouse" line with deceased employee's name, year of retirement and facility from which retired.)

Retired from:  
ORGDP \_\_\_\_\_ ORNL \_\_\_\_\_ Y-12 \_\_\_\_\_ Paducah \_\_\_\_\_ Staff \_\_\_\_\_

Indicate participation preference:

Golf \_\_\_\_\_ Christmas party \_\_\_\_\_

Travel \_\_\_\_\_ Bridge \_\_\_\_\_

Other activity \_\_\_\_\_ Reunions (2/yr) \_\_\_\_\_

Bowling \_\_\_\_\_

Suggestions: \_\_\_\_\_

Make check payable to:  
Union Carbide Retirees Association  
Mail to:  
P.O. Box 3501  
Oak Ridge, Tennessee 37830



## Patent granted . . .

Walter J. Kenney, ORNL, for "Conductor for a Fluid-Cooled Winding."

# Industrial gases complex dedicated

A \$30 million state-of-the-art industrial gases complex has been dedicated in Hatfield, Pa., by the Linde Division of Union Carbide Corporation.

The facility produces liquid oxygen, nitrogen and argon for customers in eastern Pennsylvania, New Jersey and southeastern New York. It replaces the division's 40-year-old operation in Essington, Pa., which was closed earlier in the year. In addition, the plant will supplement Linde's liquefaction capacity at Keasbey, N.J.

The plant, which recovers gases from the atmosphere and separates them into their elemental components, uses a closed-loop cooling system developed by Union Carbide. The closed-loop approach was cited for saving water by the Water Resources Association of the Delaware River Basin and Del-AWARE, a river conservation group.

With more than 100 air separation plants in the United States, Linde is the nation's leading producer of industrial gases. These facilities, coupled with gas-producing affiliates in 10 other countries, make Union Carbide one of the largest worldwide industrial gas producers.

Linde pioneered the use of the liquefaction method of air separation when it began business in the United States 76 years ago. At that time, the only gas being commercially produced was oxygen, used primarily for welding. Since then many Linde gases have become crucial to numerous industrial and technological processes.

Oxygen, for example, is widely used in steel making, chemical processes and as a propellant for spacecraft. Nitrogen, too, has found its way into areas as diverse as food freezing, space travel and providing inert industrial atmospheres, while argon is used in lasers, lamps, welding and the Linde-developed AOD (argon-oxygen-decarburization) steel process. Other Linde gases are used for everything from deep sea diving to the manufacture of electronic semiconductors and the sterilization of medical equipment.

Y-12 209706



**AMONG 1982 AWARD RECIPIENTS** — These Y-12 employees were among 37 Nuclear Division recipients of last year's Community Service Awards. Shown at the Y-12 1982 awards ceremony are, from left, E. H. Upton, Plant Manager Gordon G. Fee, Carl E. Ridenour, Floyd L. Teno, William F. Ferguson, Charles F. Chandler, William Boyd Crowder, Lon W. McNeil (retired), Patrick D. Guettner, R. Terry Weaver and J. Claude Maples. This year's 37 recipients will be honored at ceremonies this fall.

## Nominations for Community Service Awards now being accepted

Employee nominations are now being accepted throughout the Nuclear Division for the 1983 Union Carbide Community Service Awards Program, according to Ed Woy, Division program coordinator.

Nomination forms for the awards, which recognize employees who continuously demonstrate their commitment to community service, have been distributed, and additional forms are available in division managers' offices at each installation. The nomination deadline is July 29 at ORNL, ORGDP and Paducah, and August 5 at the Y-12 Plant. Completed forms should be submitted to the following facility program coordinators: Charles Kuykendall, ORNL; Doug Fain, ORGDP; Bill Thompson, Paducah; and Kathy Coleman, Y-12.

Employees engaged in voluntary, uncompensated activities that benefit their communities are eligible to be nominated by fellow

employees. Selection committees at each facility composed of Carbide and community representatives will review the nominations and select the award recipients.

Thirty-seven Nuclear Division employees will be recognized this year, with ten awards presented at each of the three Oak Ridge installations and seven at Paducah. The number of available awards is determined by each facility's employee population.

The awards will be presented at special ceremonies this fall. In addition to a \$200 contribution to the community organization(s) of his or her choice, each recipient will be presented a letter of commendation, an award certificate and a pin.

As part of the 1982 Community Service Awards Program, Union Carbide contributed nearly \$7500 to area agencies and service organizations selected by the 37 Nuclear Division award recipients.

### Safety Scoreboard

*SAFETY TIP: Don't smoke when working around furniture refinishing products. Smoking increases carbon monoxide levels in the bloodstream as well as creating a fire hazard.*

Time worked without a lost-time accident through July 7:

Y-12 Plant.....	86 Days	3,109,000 Employee-Hours
ORGDP .....	52 Days	1,126,880 Employee-Hours
ORNL .....	24 Days	452,625 Employee-Hours
Paducah.....	1,073 Days	8,563,269 Employee-Hours

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