

# NUCLEAR DIVISION NEWS

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

Volume 14/Number 15

July 28, 1983



K/PH 83-2136

## Question Box

### Who should drive Security vehicles?

**QUESTION:** Why are secretaries, clerks and fire-truck drivers at ORGDP permitted to drive Security vehicles containing loaded firearms, when these employees are not authorized to handle or carry weapons?

**ANSWER:** When a vehicle equipped with a firearm is to be used for other than protective force assignments, the firearm is removed. Under unusual and infrequent circumstances, the chief of the protective force has authorized a member of his direct staff to operate a vehicle inside the plant perimeter without removing the firearm from its special locked rack. Only authorized armed protective force personnel are issued weapons keys.

### Carbide net income drops 48 percent

Union Carbide has reported second quarter 1983 net income of \$61.5 million, 48 percent below the \$118.2 million posted in the same period a year ago. Earnings per share were 87 cents, compared with \$1.71 in the 1982 second quarter.

Net income in the first six months of 1983 totaled \$109.6 million, down 48 percent from the \$209.0 million reported for the 1982 first half. Earnings per share for the six-month period were \$1.56, compared with \$3.03 a year ago.

Sales for the second quarter were \$2.18 billion, down 5 percent from the \$2.30 billion of the 1982 second quarter. For the six-month period, sales totaled \$4.37 billion, compared with \$4.61 billion in 1982.

Results for the second quarter were in line with expectations. Markets in the consumer product area — Batteries/Home and Automotive Products — were strong, and sales in this segment increased through the quarter. Signs of recovery were evident in the Chemicals and Plastics industry segment, where sales were the highest for any quarter since the 1982 second quarter. Sales in the Metals and Carbons segment and to a lesser degree in Industrial Gases were below last year's, as the steel and steel-related industries lagged the general economic recovery.

The Corporation's continuing program to reduce inventories provided an after-tax gain of approximately 21 cents per share in the second quarter as a result of LIFO adjustments. Reflecting continuing management emphasis on productivity, the gross profit margin ratio in the second quarter was higher than in any quarter since a year ago.



**BORDER COLLIES AT WORK** — Bill Wyatt orders his border collies, Roy, Cap and Shep, to hold a small flock of sheep in position during a demonstration. Wyatt, a staff engineer in the Computer Sciences organization, has raised and trained animals of the hard-working breed since 1968.

### Including ORGDP geese

## Bill Wyatt's border collies herd 'anything that moves'

All work and no play may make Jack a dull boy (or Jill a dull girl), but it seems to have the opposite effect on Bill Wyatt's specially trained border collies. The intelligent animals, members of a breed that has been used along the English-Scottish border for nearly 300 years, love to work. Specifically, they work sheep...and goats...and cattle...and turkeys...and ducks. These dogs work anything that moves, even the Canada geese that nest near ORGDP.

Wyatt, a staff engineer in the Computer Sciences organization at ORGDP, got his first border collie in 1968, after discovering that his two young daughters "were not much help" on his 150-acre farm near Kingston. "I needed help herding my 150 or so head of cattle, so I decided to try a border collie," he recalled. "These dogs are one of the most useful breeds around. They don't just work cattle and other livestock, they handle them, sense them. They're a wonderful tool for farming."

Since getting his first dog (which he still owns), Wyatt has raised some puppies, imported others from Scotland, England and Wales, and trained many himself. He currently has nearly 30 at home. "The dogs are not only great workers, but they are nice, affectionate and good with children. They make excellent pets," he said. According to Wyatt, purebred border collie puppies cost approximately \$150-200 each, and a trained, mature animal may sell for \$1500 and up."

Border collies, though purebred, are not recognized by the American Kennel Club, Wyatt said. "We prefer to have our own registries. Border collies are bred for intelligence, ability and style, not for confirmation [color and coat markings], although that is important," he added. The dogs stand about 21 inches high and weigh between 30 and 50 pounds. Most are black and white, although some have brown or reddish colorings.

(Please turn to page 3.)

# Woodrow E. Davis promoted in Auditing

Woodrow E. Davis Jr., Auditing Division, has been promoted to supervisor of the Contract Audit Department. Prior to this promotion, he was a senior staff auditor in the Contract Audit Department.



Davis joined the Nuclear Division in 1983. He is from Weston, West Virginia. He received his BS degree in accounting from West Virginia University and an MBA degree from Southern Illinois University. He is certified as both an internal auditor and an information systems auditor.

**Davis**

Before joining the Nuclear Division, Davis completed an extensive career in auditing in the U.S. Air Force.

Davis is a member of the Beta Gamma Sigma Business Honorary Society, the Institute of Internal Auditors and the American Society of Military Comptrollers.

He and his wife, Judith, have two children. They live on Arcadian Lane in Oak Ridge.

## Y-12 Development picnic announced

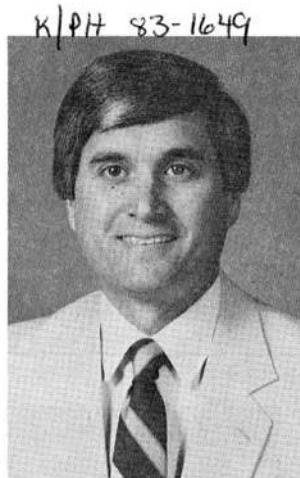
The Y-12 Development Division will hold a summer picnic Saturday, August 6, at Clark Center Recreation Park. The picnic, which begins at noon, will include a cookout with hamburgers, hot dogs, cole slaw, chips, beans, soft drinks and beer.

Each Development Division department will compete and receive points in softball, horseshoe pitching, "field escapades" and other games. The overall winner will receive a trophy. All family members and friends are encouraged to participate. A square-dancing demonstration and children's activities also will be offered.

Costs for the meal will be \$4 for adults and \$2.25 for children. Reservations may be made through department secretaries. For more information, contact Georgette Alexander-Morrison at 4-1051.



**Anderson**



**Seneker**



**Boyer**



**Wright**

## Four appointments announced in Computer-Aided Engineering

Four appointments have been announced in the Computer-Aided Engineering organization of Nuclear Division Engineering.

P. J. (Jack) Anderson has been named manager of Computer-Aided Design; James A. Seneker is manager of Computer-Aided Design Operations; Paul F. Boyer is in charge of Numerical Control Engineering; and Colman C. Wright heads Applications Support.

The Computer-Aided Engineering organization, managed by Keith G. Kahl, was established in 1982 to coordinate the Nuclear Division's entry into this new field. More than twenty computer-aided design (CAD) stations have been installed to evaluate systems produced by three different companies. These systems can perform a variety of engineering tasks, including drafting, conceptual design, analyses, modeling and development of bills of materials.

Anderson is a native of Knox County. He received his bachelor's degree in mechanical engineering from the University of Tennessee, where he has also done graduate work. He joined the Nuclear Division in 1959 after serving as a co-op at Robertshaw Fulton Controls Company in Knoxville.

Anderson served in various engineering positions at the Y-12 Plant and most recently was a department head in Numerical Control Engineering. He is a member of the National Society of Professional Engineers.

He and his wife, Betty, have two children. They live on Raccoon Valley Road in Heiskell.

Seneker is originally from Bristol. He received his BS degree in mechanical engineering from the University of Tennessee, where he was a member of Pi Tau Sigma and Tau Beta Pi honorary fraternities.

Seneker joined the Nuclear Division in 1975 and was assigned to ORNL Engineering at Y-12. He later worked at the ORNL site as section head of a mechanical design group.

Seneker and his wife, Judith, have two sons. They live at Blackwood Drive in Knoxville.

Boyer, a native of Pottsville, Pa., received an associate in engineering degree from Pennsylvania State University. He is a certified manufacturing engineer and a registered professional engineer.

Boyer served in the U.S. Air Force before joining the Nuclear Division in 1957. He worked in mechanical engineering and tool design at Y-12 and later as a project engineer for the ORGDP Drilling Machine Project. He also has held several positions in Numerical Control Engineering and most recently was a section head.

Boyer has been a member of the Society of Manufacturing Engineering since 1961 and has held several offices at the local, regional and national levels. He received the Society's "award of honor" in 1980. He is also a member of the Tennessee Society of Professional Engineers.

Boyer and his wife, Ramona, have a grown daughter. They live on Walnoaks Road in Knoxville.

Colman Wright is from Mt. Juliet. He received his BS degree in electrical engineering and has done graduate work in physics and mathematics at the University of Tennessee.

Wright worked as an engineering co-op student at the Y-12 Plant and joined the staff on a full-time basis in 1957. He served as engineer, group leader, section head and supervisor in the Y-12 Development Division and was manager of the Y-12 Interactive Graphics Pilot Project prior to his recent appointment.

Wright is Y-12's representative to the Computer-Aided Manufacturing International Advanced Technical Planning and Programs Advisory Committees. He recently served as co-chairman of an international conference on flexible manufacturing.

He and his wife, Jane, have a son and a daughter. They live on Newton Lane in Oak Ridge.



### Nuclear Division News

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NUCLEAR DIVISION  
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Oak Ridge, Tenn. 37830

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

**PADUCAH**  
Laura Trevor, Bell 208



Published every other week for employees such as:

(Y-12) No #



**Judy Didier of Nuclear Division Purchasing.**

# Wyatt's collies herd sheep, cattle, ORGDP geese

(Continued from page 1)

Training of a border collie begins when the dog is between eight months and a year old. "It usually takes about a year and a half of concentrated training and additional months of polishing to produce a solid, well-trained dog," Wyatt said. First, the dog is taught basic obedience and to answer to verbal commands. "The dog has a natural instinct for herding the livestock, so we train it next to understand basic directional commands," he explained. "There is a series of standard commands that are used all over the United States, in Canada and in Great Britain. The dog learns the signals for right, left, stop, back up, go forward and bite. The 'bite' signal is used only for cattle," Wyatt said.

*In a typical trial, a dog must successfully herd a group of sheep or cattle around a field and through a series of gates within a time limit.*

Once the dog learns the voice commands, the trainer begins to use a shrill, high-pitched whistle to give additional signals. "It's not unusual to work a dog with a whistle from 500-700 yards away," Wyatt said.

Border collies are trained to work individually, and they also can work in groups of two or three, especially with cattle. "There are so many uses for them; they can even be trained to work as seeing-eye dogs," Wyatt explained.

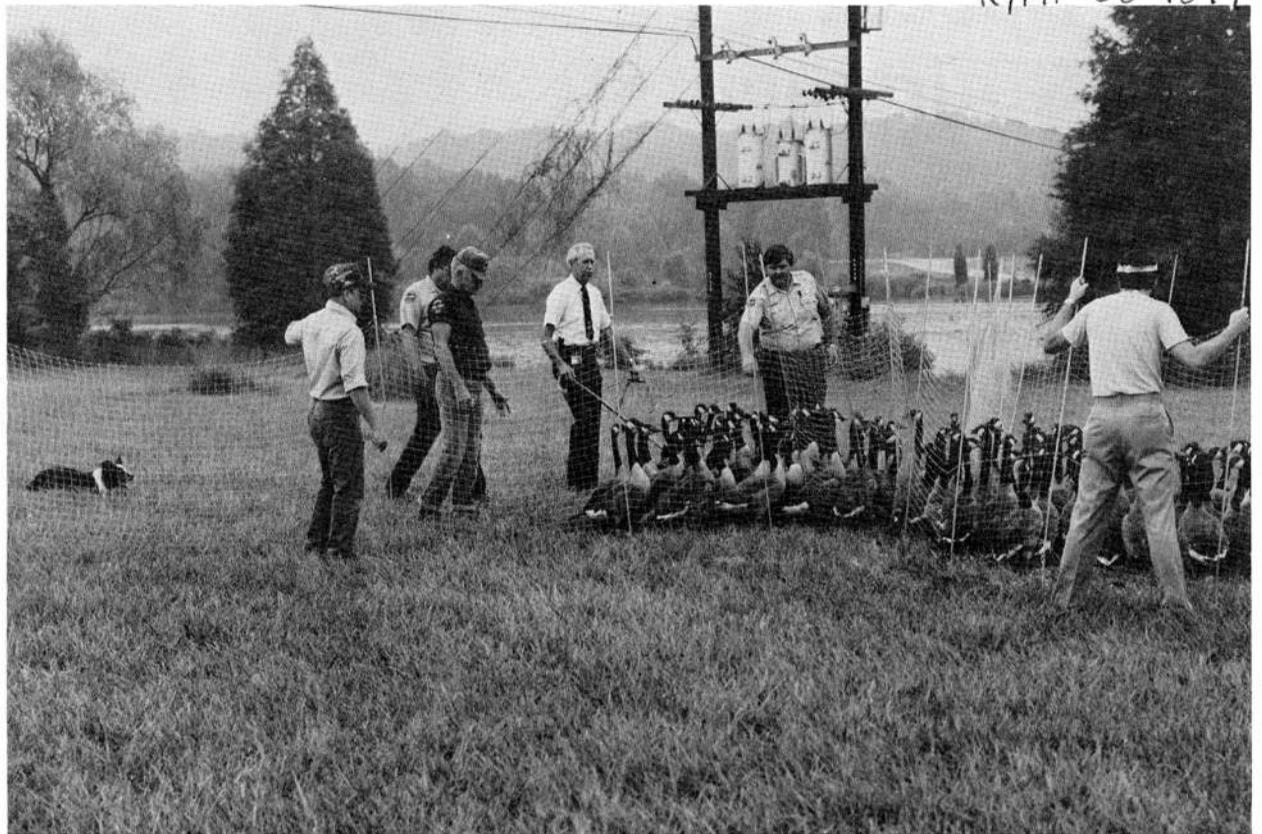
In addition to training and breeding the collies, Wyatt also is active in competition and exhibitions. "Competing with the dogs is my hobby," he said. "I've entered dogs in trials all over the United States and in Canada, averaging 15 or 20 events each year." His wife, Iona, of the General Accounting Division at ORGDP, often accompanies him.

In a typical trial, a dog must successfully herd a group of sheep or cattle around a field and through a series of gates within a time limit. The collie is directed only by the verbal and whistled commands of the trainer, who often is hundreds of yards away. Wyatt and his dogs have fared well in such competitions, with several collies finishing in the Top Five in the United States and Canada, and one dog, Roy, being named Reserve Grand Champion in the American Grand Finals for the past two years.

*Wyatt and his collies have fared well in competition, with one, Roy, being named Reserve Grand Champion in the American Grand Finals for the past two years.*

Wyatt also has become a "regular" at the annual Scottish games in Grandfather Mountain, N.C., where he and his dogs present exhibitions. He frequently serves as a judge at trials, too, although he said he'd "rather be performing."

He is a charter member and co-founder of the East Tennessee Stock Dog Association, an organization whose aim is to help its members "get the most out of their stock dogs."



**GEESE ROUNDUP AT ORGDP — Roy, one of Wyatt's border collies, helps herd the Canada geese into nets as Wyatt (fourth from left) assists TWRA representatives and others. Some 150 geese were rounded up during the June drive.**

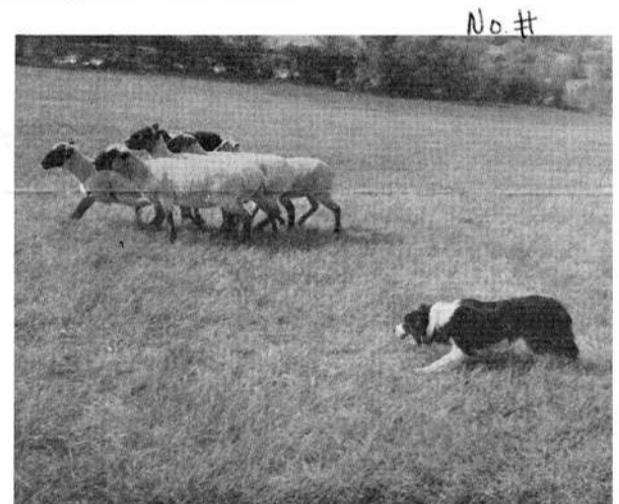
Wyatt said it's gratifying to see members who began only a few years ago now compete successfully in trials. Owners of other breeds, including the Australian shepherd, blue heeler, kelpie and English shepherd, may join the Association, but Wyatt said that "none of these breeds will take training like the border collie."

*He and his collies have assisted in the annual Canada geese roundup at ORGDP for the past two years.*

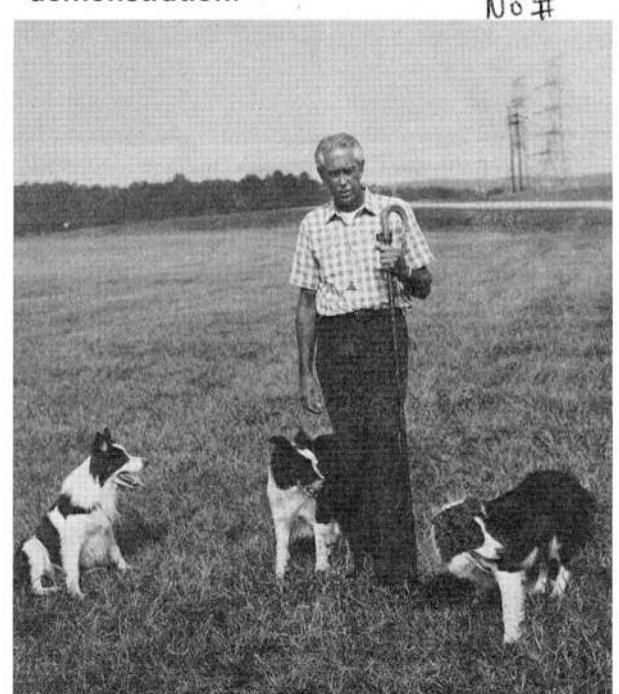
Some of the Canada geese at ORGDP are now familiar with just how well Wyatt's dogs have "taken training." He and his collies have assisted the Tennessee Wildlife Resources Agency (TWRA) with the annual roundup for the past two years. "Last year, I noticed all the activity — there must have been 7 or 8 vehicles and I don't know how many people out there trying to round up those geese," Wyatt recalled. "I walked down and asked if they would like some help. I'm not sure they took me seriously at first, but when I explained that my dogs could round up the geese quickly and not harm them, they agreed to let me use them. It went well, so this year a TWRA representative called to ask if I could help. They also wanted to videotape the activity for showing in Nashville. I brought out two of my dogs, Roy and Cap, and we herded the 150 geese in about 25 minutes."

Wyatt, who joined the Nuclear Division in 1947, plans to eventually retire to work on his farm, handle his own dogs and train collies for others. "The dogs are such wonderful workers — it's just a bonus that they also happen to be so much fun," he said.

— C.R.L.



**CAP IN ACTION — Another collie, Cap, herds sheep for Wyatt during a demonstration.**



**HIS PRIDE AND JOY — Wyatt poses with three of his purebred border collies, Shep, Roy and Cap.**

# Recent Retirements



**Betty G. Underwood**  
Finance and Materials  
ORNL  
32 years service



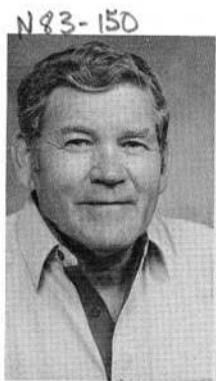
**Eric E. Johnson**  
Quality Division  
Y-12  
29 years service



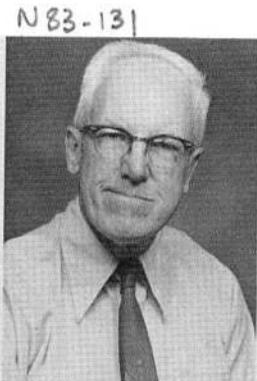
**Jake Chance Jr.**  
Finance, Materials  
and Services  
Y-12  
37 years service



**Coy V. Copeland**  
Metal Preparation  
Y-12  
29 years service



**Earl L. Walker**  
Maintenance  
Y-12  
30 years service



**Robert C. Anderson**  
Development  
Y-12  
27 years service



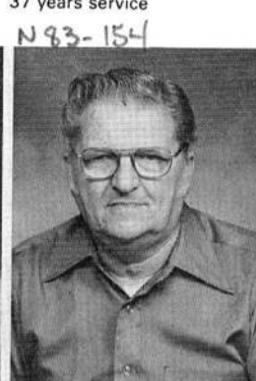
**James R. Sheehan**  
Metal Preparation  
Y-12  
30 years service



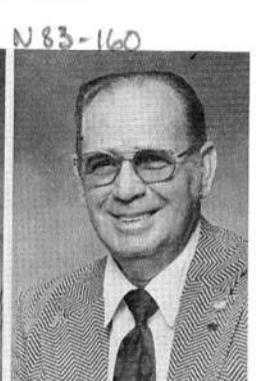
**Paul D. Deniston**  
Fabrication  
Y-12  
30 years service



**James H. Marable**  
Engineering Physics  
ORNL  
30 years service



**Louis A. Watson**  
Fabrication  
Y-12  
36 years service



**Leonard R. Brooks**  
Fabrication  
Y-12  
32 years service



**Andrew G. Wilde**  
Operations  
ORGDP  
37 years service



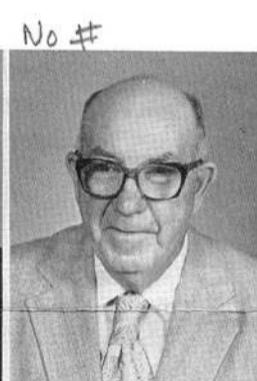
**Paul D. Harris**  
Maintenance  
ORGDP  
38 years service



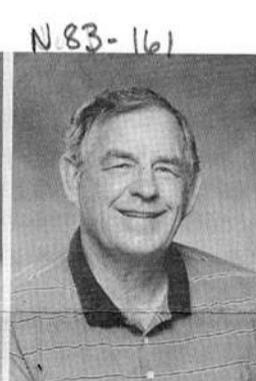
**Flora M. Lewis**  
Finance, Materials  
and Services  
ORGDP  
39 years service



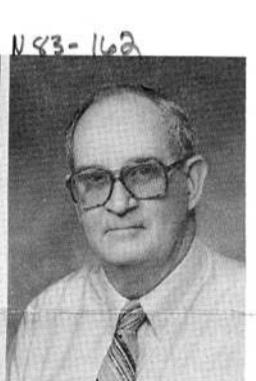
**George R. Cook**  
Separation Systems  
ORGDP  
6 years service



**James A. Walls**  
Maintenance  
ORGDP  
36 years service



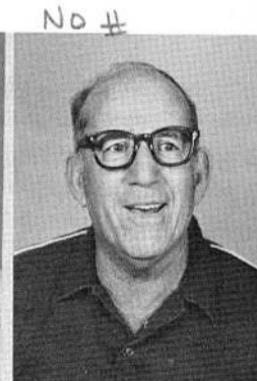
**Charles J. Buchanan**  
Security, Plant Protection  
and Utilities  
Y-12  
36 years service



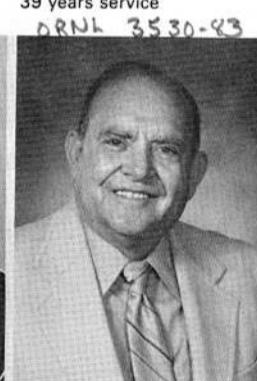
**Howard B. Jarvis**  
Fabrication  
Y-12  
32 years service



**Edsel R. Hensley**  
Maintenance  
ORGDP  
27 years service



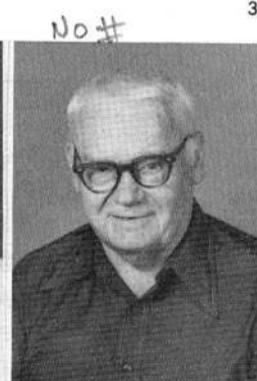
**James E. Keene**  
Maintenance  
ORGDP  
31 years service



**Ray F. Benson**  
Engineering Technology  
ORNL  
36 years service



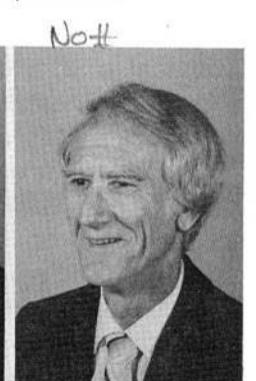
**J. F. Simmons Jr.**  
Technical Services  
ORGDP  
30 years service



**Guy P. Hargis**  
Maintenance  
ORGDP  
33 years service



**William H. Lockett**  
Maintenance  
ORGDP  
37 years service



**Mendle B. Phillips**  
Maintenance  
ORGDP  
30 years service



**Robert W. Langston**  
Engineering  
Paducah  
32 years service



**Hobert H. Haymond**  
Engineering  
ORGDP  
23 years service



**Harley L. Bridges**  
Metal Preparation  
Y-12  
30 years service



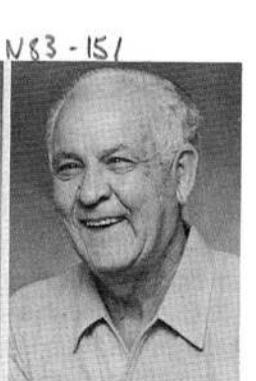
**John H. Worthington**  
Fabrication  
Y-12  
29 years service



**James R. Brandon**  
Finance, Materials  
and Services  
ORGDP  
37 years service



**Edgar H. Erickson**  
Maintenance  
Y-12  
32 years service



**Curtis B. Wilson**  
Maintenance  
Y-12  
32 years service

# ORNL Biology Division saves on energy costs

(Editor's note: The following article, the third in a series of stories on energy conservation at Nuclear Division facilities, discusses current and proposed conservation programs in the ORNL Biology Division. Watch future issues of Nuclear Division News for additional features.)

by Donna Griffith  
Chair, ORNL General Energy  
Conservation Committee

The Biology Division facilities were constructed at a time when little thought had to be given to energy efficiency. The result, in most cases, is a mixture of areas with radically different environmental control requirements housed under one roof — labs and animal rooms that must meet strict air-quality and humidity standards and offices that have no special requirements.

To cut energy costs, Biology Division staff members have begun working with management, Engineering personnel and the ORNL General Energy Conservation Committee (GECC) to identify and solicit support for sound energy conservation projects. A committee composed of Biology Division management personnel; representatives from the Engineering, Maintenance and Development Divisions; and the GECC chair meets every three weeks to discuss concerns and possible projects and to review the progress of current projects.

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*DOE is the primary supporter for funding energy conservation projects.*

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Virtually all funding for these projects comes from sources outside the division. DOE is the primary supporter and has already provided more than \$1.3 million for energy management retrofit projects through its In-House Energy Management Program. The GECC also has assisted this year by providing \$42,000 of its expense money for studies of potential energy conservation projects in the division.

The following are highlights of current and proposed projects for the division.

**Consolidation of staff.** Efforts to consolidate staff in fewer buildings began as early as last fall. Building 9769, most of Building 9219, and two trailers have already been vacated, at a total savings of about \$13,000. The most significant consolidation will take place in the next few months, however, when nearly 70 percent of Building 9207 will be vacated. Eliminating this 168,000 square feet of the division's floor space is expected to save \$1.4 million annually.

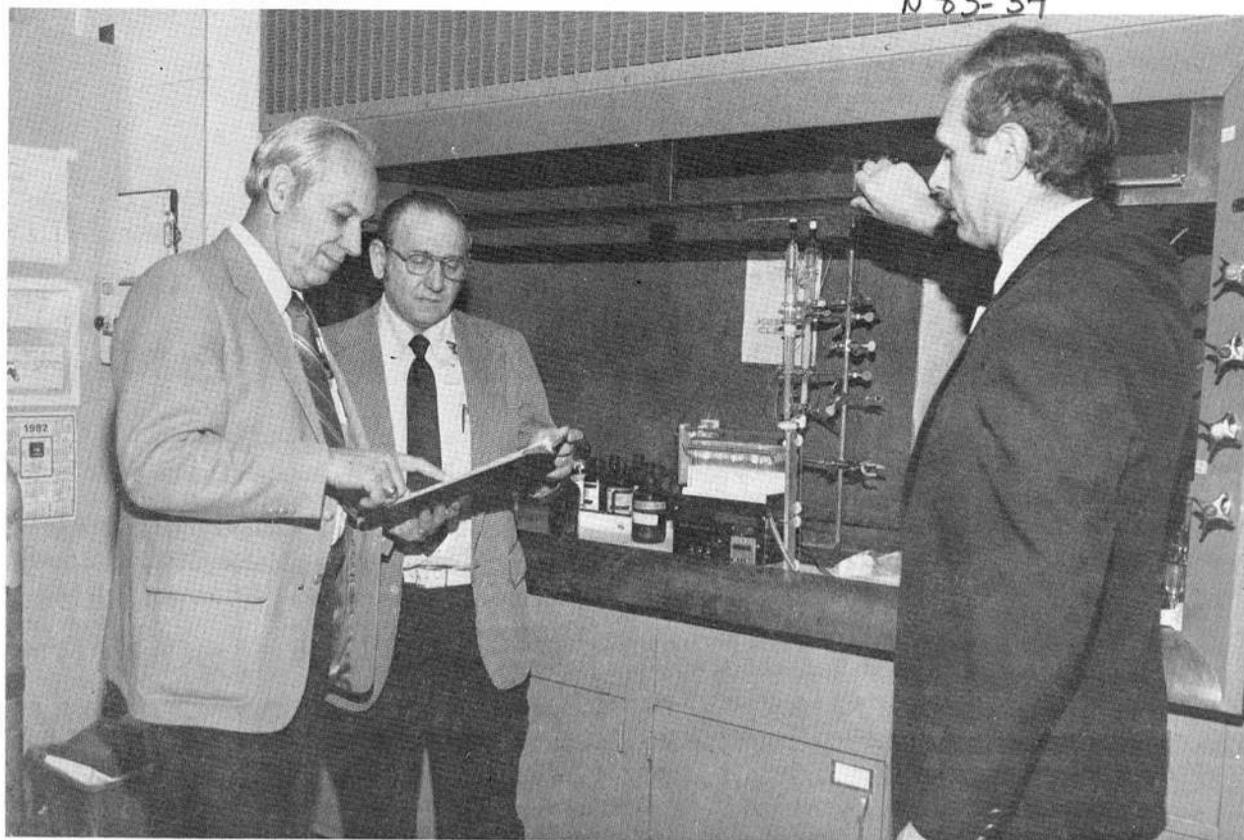
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*Air-filter replacement is expected to save \$35,000 a year.*

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**Replacement of filters in air-handling systems.** Installation of a new type of filters on the air-intake systems is already in progress. The new filters are cheaper and will reduce the pressure differential, which will reduce the power needed to drive the fans and increase filter life. To make the transition in the most cost-effective manner, the estimated 600 filters in Biology will be replaced as they become soiled. Replacement of all filters, which should take about a year and a half, is expected to save \$35,000 a year.

**Replacement of electric reheat coils by steam reheat coils in air-supply systems.** At current rates, steam heat is less expensive than electric heat, so the possibility of replacing electric reheat



**CHECKING LABORATORY HOODS** — Analyzing data from a laboratory hood in Building 9207 are, from left, Howard J. Hicks Sr., Engineering; C. Robert Abercrombie, Y-12 Maintenance; and L. Allen Stephens Jr., Engineering.

coils with steam coils is being explored. One such changeover already is under way on the first floor of Building 9211; this changeover is estimated to save \$30,000 annually. Conversion of the coils on the second floor, which is projected to save \$50,000 a year, has been proposed for DOE funding as part of a package of Biology conservation projects.

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*A hood-usage survey has been conducted to identify hoods that could be shut down part-time or permanently.*

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**Shutdown of laboratory hoods.** In an effort to minimize the energy loss that occurs when large quantities of conditioned air are exhausted through hoods, a hood-usage survey has been conducted to identify hoods that could be shut down part-time or permanently. Engineering staff members have analyzed the responses to the division-wide questionnaire and have performed extensive fieldwork to determine how many shutdowns are possible. Because the research conducted in some of the division's labs involves hazardous materials, and because shutdown of hoods can alter the air balance within buildings and thus between labs, any proposed changes must be studied very carefully to ensure safe shutdowns. The proposed plan for shutting down hoods and for making the building modifications necessary to enable safe shutdown is to be completed in early August. An average six-foot hood has an approximate energy cost of \$4,500 each year.

**Modification of preheat controls for air-handling systems.** Supply air is now being preheated to 90 degrees Fahrenheit from October through May so that it is hot enough to be humidified to meet the requirements of the animal areas, in particular. The installation of improved preheat controls would allow the air to be heated only to the temperature needed to achieve the desired moisture content and could save an estimated \$128,000 a year.

**Floating temperature and humidity.** Relaxation of temperature and humidity requirements (allowing temperature and humidity to "float" across a wider range during heating and cooling seasons) could save at least \$62,000 a year.

**Winter shutdown of cooling tower.** The division has already saved about \$5,000 from the winter shutdown of one cooling tower that was being used during the heating season to supply water to some constant-temperature rooms. Switching the water supply for these rooms to another source made this savings possible.

Other projects in progress or under consideration include reduction of the number of air changes required in some parts of the buildings and replacement of leaking condensate return and steam lines. Studies are being conducted to identify possible projects suitable for future DOE funding, including conversion of some once-through air-supply systems to recirculating systems; installation of a computerized energy monitoring and control system; and a long-range plan to group areas having like functions (for example, labs with labs, offices with offices, etc.).

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*The Biology Division is almost an 'uncharted territory' in terms of energy conservation.*

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The Biology Division is almost an "uncharted territory" in terms of energy conservation, and much can be done to make the operation of its facilities more energy efficient. The maximum potential savings for all projects, both those now being implemented and those considered to date, is \$2 million annually. Implementation of these projects may span 2-5 years.

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**Next issue . . .**

The deadline for the next issue of *Nuclear Division News* is Wednesday, August 3. The issue will be dated August 11.

## Hoy, Wiegand win last rifle matches

In the fifth match of the High-Power Rifle League, Harry Hoy of ORNL led the field with a 744 out of 800. ORNL's Larry Weston was second with a 735, while Glen Newton of DOE finished third with a 704.

Other scores included: H. Bertini (ORNL), 675; H. Fell (Y-12), 658; B. Bland (Y-12), 625; and M. Baker (ORNL), 535.

Y-12's Roger Wiegand captured the final match, scoring a 733. Hugo Bertini of ORNL finished second with a 707, while Y-12's Harold Fell was third with a 659.

Other scores were: D. W. Bland (Y-12), 652-6x; A. Beasley (Y-12), 652-2x; and M. A. Baker (ORNL), 553.

N 83-164



**CLASSIC LEAGUE BOWLING CHAMPS** — The Has Beens captured the 1982-83 championship in the Y-12 Classic Bowling League. Team members include, from left, Herman Stewart, Walt Sherrod, Bill Mee, Bobby Bowers (captain), Rudy Pletz and Bob Rutherford.

## Lucky Strikes continue to lead UCC Mixed League

The Lucky Strikes continue to lead the Union Carbide Monday Mixed Bowling League, followed by the Whoevers, JW's and Strikeouts. Bill Muenzer continues to hold the men's high average with a 185, while Ruth Hardin (162) leads in women's action.

## Y-12 'C' League seeking additional teams, bowlers

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).

## New bowling team sought for K-25 Tuesday League

An additional team and new individual bowlers are needed for the K-25 Tuesday Bowling League, which rolls at the Tri-County Lanes at 8:15 p.m. For more information about league play, which begins in September, call Marty Ginsburg (4-8160) or the Recreation Department (4-1597).



**PADUCAH GOLF WINNERS** — Jerry Neale of the Paducah Operations Division and Tick Allbritton of Paducah Maintenance teamed up to win the June golf scrabble at South Highland Country Club with a score of 69. Each received a box of golf balls.

## Fishing rodeo winners announced

These Y-12 anglers took top honors in the January-June fishing rodeo:

		D. H. Garrett	1 lb., 9 oz.
		John D. Hart	1 lb., 4 oz.
<b>Smallmouth Bass</b>		<b>Sunfish</b>	
C. D. Adkins	5 lbs.	Cindy Vornehm	11 lbs., 13 oz.
E. L. McGee	4 lbs., 5 oz.	T. S. Warrington	11 lbs., 12 oz.
C. E. Whited	4 lbs.	R. A. Jago	11 lbs., 8 oz.
<b>Largemouth Bass</b>		<b>Trout</b>	
Mike Bowers	8 lbs., 10 oz.	P. A. Bryant	4 lbs., 10 oz.
D. L. Jones	7 lbs., 12 oz.	E. H. Jaynes	1 lb., 8 oz.
J. R. Harris	6 lbs., 9 oz.	F. M. Shoemaker (Chris)	11 lbs., 14 oz.
<b>Striped Bass</b>		<b>Hybrid or Rock</b>	
R. B. Parton	5 lbs., 1 oz.	J. T. Asbury (wife)	32 lbs.
W. R. Jago	3 lbs., 4 oz.	M. E. Walls	30 lbs.
A. T. Hudgens	2 lbs., 9 oz.	E. H. Hudgens	22 lbs.
<b>Walleye</b>		<b>Roughfish</b>	
J. W. Graves	5 lbs., 13 oz.	P. A. Hammock	12 lbs., 4 oz.
W. A. Kramer	4 lbs., 4 oz.	R. G. Vornehm	2 lbs., 8 oz.
G. T. Riggs	3 lbs., 2 oz.		
<b>Crappie</b>		★ ★ ★ ★ ★ ★	
J. E. Brown	1 lb., 15 oz.	ORNL fishermen taking top honors in the recent	
R. D. Hill	1 lb., 14 oz.	Carbide fishing rodeo included:	
L. E. Pate	1 lb., 13 oz.		
<b>Trout</b>			
C. R. Bieber	3 lbs., 8 oz.	<b>Smallmouth Bass</b>	
Tom Snyder	2 lbs., 2 oz.	L. L. Anderson	2 lbs.
E. R. McCulloch	1 lb.	<b>Largemouth Bass</b>	
<b>Roughfish</b>		Jerry Martin	7 lbs.
B. E. Walton	19 lbs., 4 oz.	D. R. Fairchild	6 lbs., 4 oz.
Earl Needam	13 lbs., 8 oz.	C. D. McGown	5 lbs., 1 oz.
George T. Riggs	13 lbs., 4 oz.	<b>Striped Bass</b>	
★ ★ ★ ★ ★ ★		J. T. Walker	2 lbs., 11 oz.
The following ORGDP fishermen were winners		<b>Walleye</b>	
in the fishing rodeo, which ended in June:		G. A. West	5 lbs., 4 oz.
<b>Smallmouth Bass</b>		<b>Crappie</b>	
H. E. Walters (wife)	4 lbs., 12 oz.	G. H. Jones	1 lb., 13 oz.
<b>Largemouth Bass</b>		G. A. Kelley	1 lb., 12 oz.
C. F. Prater	8 lbs., 6 oz.	S. S. Hurt	1 lb., 5 oz.
Bill Price	8 lbs., 3 oz.	<b>Sunfish</b>	
C. M. Parker	7 lbs., 4 oz.	B. C. Wright	11 lbs., 10 oz.
<b>Striped Bass</b>		<b>Trout</b>	
N. H. Hord	2 lbs., 14 oz.	Marilyn Tatum	2 lbs., 10 oz.
L. K. Barding	2 lbs., 13 oz.	R. L. Atchley	1 lb., 6 oz.
W. E. Brown	2 lbs., 11 oz.	<b>Rockfish</b>	
<b>Walleye</b>		A. L. Beets	33 lbs., 10 oz.
S. R. Williams	4 lbs., 8 oz.	C. L. Fiszpatric	24 lbs., 1 oz.
<b>Sauger</b>		C. R. Schaich	23 lbs., 8 oz.
L. W. Clowers	3 lbs., 9 oz.	<b>Roughfish</b>	
<b>Crappie</b>		J. G. Heiskell	14 lbs.
R. E. Collins	2 lbs., 1 oz.	A. D. Ryon	11 lbs., 8 oz.
		J. W. Foresman	11 lbs., 4 oz.

# Anniversaries

## Y-12

### 40 YEARS

Ralph L. Stanfill, Metal Preparation.

### 35 YEARS

James E. Miner, Development.

### 30 YEARS

Hugh Breazeale Jr., Metal Preparation; Bobbie O. Watkins, Finance, Materials and Services; Jesse B. Brabson, Malcolm P. Crews Jr. and John A. Griffin Jr., Fabrication; David R. Masters, Development; Paul L. Beeler, Security, Plant Protection and Utilities; Horace E. Hamilton Sr., Industrial Engineering; and Willie H. Aiken, Maintenance.

### 25 YEARS

Richard R. Williams, F. Frank Carringer Jr. and Daniel L. Morgan.

### 20 YEARS

Rose N. Spears, Louise S. Presley and Hubert L. Richards.

## ORNL

### 35 YEARS

Melvin R. Bennett, Chemistry; David J. Crouse Jr., Fuel Recycle; Robert M. Farnham and James H. Pittman, Plant and Equipment; John D. Blanton, Instrumentation and Controls; and Victor L. Fowler, Chemical Technology.

### 30 YEARS

Estel Westmoreland, James M. Shoopman and Jesse M. Kesterson, Plant and Equipment; Bernard S. Borie Jr., Metals and Ceramics; and James T. White, Information.

### 25 YEARS

Louise F. Dean and Truman D. Anderson.

### 20 YEARS

Edwin D. Hines Jr., Charles R. Kirkpatrick, Roland L. Stone, Robert E. Foust, Fred R. Gibson, Joanne H. Luckett and Eddie M. Robinson.

## ORGDP

### 35 YEARS

Arthur G. Rea, Finance, Materials and Services; John W. Hill Jr., Engineering.

### 30 YEARS

James E. Collins, Maintenance; Joseph B. Phillips, Separation Systems.

### 25 YEARS

William W. Lee Jr.

### 20 YEARS

Jimmy O. Adams, Joseph E. Anderson, Frances H. Hickey, Erskine H. Hudgens Jr. and Charles D. Knox.

## PADUCAH

### 30 YEARS

Prentis Moore, Data Services.

## Firefighters to compete

The first firefighters team competition and fire equipment exhibition will be held Saturday, August 13 at the Norris Fire Department in Norris Square.

ORNL's Fire Department, which will represent the Nuclear Division in the fire equipment exhibition, will show large-industry equipment including an emergency truck with emergency and rescue equipment and a fire pumper.

For more information, contact Wayne Waggoner at 574-5678.



**IMPROVING PADUCAH PLANT PERFORMANCE — As part of the Paducah Plant Performance Improvement Program, Loyce Lovvo and Betty Hunt of the work-order section use new techniques in conjunction with the old data base to process maintenance service requests more quickly and easily.**

## Paducah employees set improvement goal

As part of the Plant Performance Improvement Program, Paducah employees have begun 16 interdivisional projects, 25 intradivisional projects and some 30 "mini-projects" within departments during the past few months. The employees' goal is to make their jobs easier while improving their products. The push for efficiency is on — having spread from the training room to the process buildings and C-710 labs.

Jay Collins, Maintenance Division, heads a project to reduce delays in handling maintenance service requests. By studying the work-order system and applying special charts and statistical tools of control, the team members pinpoint areas where the system is likely to develop snags.

As a result of the team's work, different schedules and logs have been combined into one form. The use of the single form puts an end to repeated filing of reports and reduces the amount of time maintenance supervisors must devote to paperwork.

During the first month of operation, use of the revised system reduced the number of labor charges rejected by the data base from three to one percent.

Lavon Pease, project team member and work-order section employee, said, "We've had some problems, but the new system makes things easier overall. We can now update labor charges and correct rejected labor charges more quickly."

## William R. Laing heads new section

William R. Laing has been appointed head of a new radioactive materials analysis section in the Analytical Chemistry Division at ORNL.

Laing formerly was a group leader responsible for the Analytical Chemistry Division's radioactive materials analytical laboratory. Also included in the new section are the transuranium laboratory and portions of the former analytical development group.



Laing

A member of the Nuclear Division staff since 1951, Laing was first named to a supervisory position within the Analytical Chemistry Division in 1956. His responsibilities have included general, environmental and radioactive materials analyses, nuclear coatings evaluation and analytical development.

A native of Georgia, Laing holds the BS degree in chemistry and the MS in analytical chemistry from Emory University, Atlanta.

Laing was a 1982 recipient of the Award of Merit presented by the American Society for Testing and Materials (ASTM), an international standards-writing organization. The

award recognized distinguished service to voluntary standardization, particularly his leadership in the development of test methods for the nuclear fuel cycle and contributions to standards for fuels, absorbers and moderators. He currently is vice chairman of ASTM Committee C26, Nuclear Fuel Cycle.

In addition to ASTM, which also in 1982 named him a fellow of the Society, Laing's professional affiliations include the American Chemical Society and the American Nuclear Society.

He and his wife, Jean, live in Oak Ridge. They have two children.

## UCRA bridge marathon set

The Union Carbide Retirees' Association will hold a bridge marathon beginning August 11 at the Oak Ridge Senior Center. Sessions will be held the second and fourth Thursdays of each month through November, from 1 to 4 p.m.

Prizes will be awarded to the man and woman with the highest average score. Contestants must participate in at least five of the eight sessions to be eligible for prizes.

For more information, contact Charlie Kienberger, UCRA Bridge Committee chairman, at 482-2566.

# 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.

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

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

CAR POOL MEMBERS NEEDED from Lenoir City High School/Eaton's Crossroads area to Portal 4, 8-4:30. C. B. Henegar, home phone 986-9469.

## 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.

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

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

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

## Y-12

WANT TO JOIN OR FORM CAR POOL from Cedar Bluff area, Knoxville, to any portal, 8-4:30. Gerald Russell, plant phone 4-3658; home phone 691-3475.

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

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

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

VAN POOL RIDERS NEEDED from Andersonville, Norris and Clinton; 8-4:30. Charles Knowles, plant phone 4-2628; or Bob Worthington, home phone 457-3780.

CAR POOL MEMBER NEEDED from Blaine area to any portal, day shift. Linda, plant phone 6-4940; home phone 933-4862.

K/Plt 83-1860



**1983 ORGDP UNITED WAY COMMITTEE** — Bryant Bowden, ORGDP United Way chairman, has announced his campaign staff for 1983. Pictured are, front row, from left, Warren Bass, substituting for I. C. Williams, associate chairman for the United Plant Guard Workers of America International Union, Amalgamated Plant Guard Local No. 109; Doug Stephens, associate chairman for Oil, Chemical and Atomic Workers International Union; Buck Alexander, materials manager; Ann Crowe, treasurer; Frank Gethers, assistant publicity manager; Lula Bartholomew, assistant to chairman; and Cheryl Wham, assistant solicitor training director. On the back row, from left, are Harold Conner, publicity manager; Jack Holt, reports coordinator; Ben Walker, assistant treasurer; Steve Giles, meeting and transportation coordinator; Bowden; and Dan Anderton, co-chairman. Committee members not pictured are Dave Rupert, solicitor training director; Jerry Upchurch, assistant meeting and transportation coordinator; and I. C. Williams.

## Surplus-property items on sale at Paducah Plant

Various surplus-property items will be available through a sealed-bid sale at the Paducah Plant. These include a 1975 GMC dump truck, 1976 Chevrolet van, 1977 Chevrolet van, three 1976 Dodge vans, 1977 Chevrolet pickup, 4000-pound forklift, 20,000-pound forklift, five Cushman industrial vehicles, seven typewriters, four industrial floor machines, 23 welding machines, adding machines, calculators and other miscellaneous industrial equipment and supplies.

Additional information or bid documents may be obtained by phoning bell extension 282 or pax 686. Bids will be opened in the C-720 Purchasing Conference Room at 12:01 p.m. August 19, 1983.

## Safety Scoreboard

*SAFETY TIP: When driving in fog, roll the side window part-way down so you can hear road noises better. Your sense of hearing may help compensate for your reduced ability to see.*

Time worked without a lost-time accident through July 21:

Y-12 Plant.....	100 Days	3,725,000 Employee-Hours
ORGDP .....	66 Days	1,404,610 Employee-Hours
ORNL .....	38 Days	784,550 Employee-Hours
Paducah.....	1,087 Days	8,661,000 Employee-Hours

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