

210134 (4-12)



Roger F. Hibbs, Alec Flamm and Robert J. Hart

Division employees cited for recent safety efforts

Nuclear Division employees have again been honored for being among the nation's safest workers on the job.

"Nuclear Division employees assisted significantly in producing Union Carbide's outstanding 1981 safety record, which was one of the best among United States corporations," said Union Carbide President Alec Flamm at the annual safety luncheon in Oak Ridge.

Offering his "heartiest congratulations to all who have helped contribute to these outstanding safety achievements," Flamm also challenged Nuclear Division employees to improve their rates for off-the-job accidents as well.

Earlier in November, Paducah employees were honored for their outstanding safety record at a luncheon attended by UCC Vice President Robert E. Pyle.

'Great safety year'

Nuclear Division President Roger F. Hibbs presided at both luncheons, attended by staff members and representatives of unions at each of the facilities. Hibbs reviewed the "great safety year" in 1981, in which only three lost-workday accidents occurred. He called it a "tremendous effort and the result of sustained accomplishments by everyone in the Division. We should all be extremely proud of our wonderful safety record for 1981," he said.

While congratulating employees, Hibbs also issued a challenge for the coming year, urging workers to reduce their off-the-job accident rates by one-third and to "maintain the current excellent safety record on the job."

Vincent J. D'Amico, DOE assistant manager of Safety and Environment, Oak Ridge Operations, attended the

Paducah ceremony, while Robert J. Hart, manager of Oak Ridge Operations, represented the Department at the Oak Ridge luncheon. Hart praised the efforts of employees, adding that "these Union Carbide facilities have had excellent and consistent safety records that certainly personify the ideals of the Department of Energy."

Presentations included the UCC Outstanding Safety Performance Silver Award to the Y-12 Plant for more than 12 million employee hours worked without a lost-workday incident. The first UCC gold award to be presented to a Union Carbide facility was given to ORNL in recognition of more than 16 million employee hours, and the Laboratory also received a silver award.

Gold award winner

The Nuclear Division also received the gold award for more than 16 million employee hours worked, becoming the first divisional winner of the Corporation's premier safety award.

Carbide's Distinguished Safety Performance Award was presented to the Paducah Plant for accumulating more than four million employee hours within a one-year period without a lost-workday accident.

(Please turn to page 3)

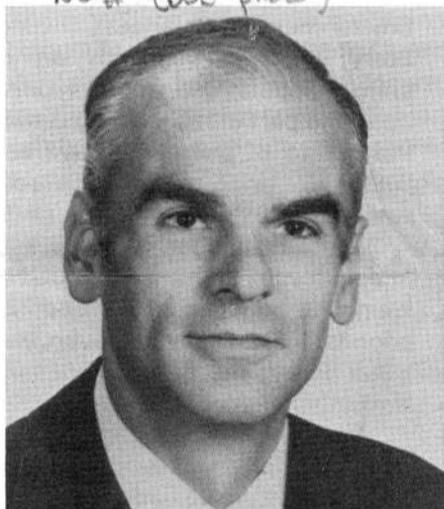
Hodel named Energy Secretary

Donald P. Hodel has been appointed Secretary of Energy, succeeding James B. Edwards, who resigned to become president of the Medical University of South Carolina.

Hodel, a veteran in the energy field, was most recently under secretary in the Department of the Interior.

A native of Portland, Ore., Hodel has practiced both corporate and private law. He has degrees from Harvard and the University of Oregon School of Law. In 1969 he joined the Bonneville Power Administration, and in 1972 was named administrator. He received the Interior Department's Outstanding Service Award for energy conservation. This was the first such award conferred by any Federal agency for energy conservation.

In 1978, he and his wife, Barbara, formed an energy consulting firm, Hodel Associates, Inc. During that period he served a two-year term as



Donald P. Hodel

president of the National Electric Reliability Council. He has been a delegate to the World Energy Conference and has served in the Interior Department since his appointment in 1981.

Hodel's appointment is subject to Senate confirmation.

In this issue . . .

The onset of late autumn weather means the mating season for the two to three thousand white-tailed deer on the Oak Ridge Reservation, and it also means that motorists should be particularly alert for deer crossing area roads and highways. Safety tips for avoiding vehicle-deer collisions are found on page 2.

Other features:

- Additional safety award presentations page 3
- News About People page 4
- Y-12 blood drive planned page 5
- Question Box page 7
- Crime column page 7

ORNL photo (no#)



Anniversaries

ORGDP

35 YEARS

Raymond M. Wolfenbarger, Maintenance.

30 YEARS

Oddis J. Baker, Engineering; Clarence W. Castle Jr., Separation Systems; Margie B. Hall, Purchasing; Lawrence B. Howerton, Maintenance; Alex H. Marshall Jr., Finance, Materials and Services; Zane R. McNutt, Auditing; Henry L. McWane, Engineering; Robert T. Payne, Computer Sciences; Herbert A. Pohto, Engineering; and Franklin N. Wiggins, Technical Services.

25 YEARS

Madie G. Gallaher, Viri J. Hobson, Thomas R. Lemons Jr., David W. Murrah and Eugene C. Williams.

20 YEARS

Vera R. Dinkins and Wayne A. Neff.

Y-12

35 YEARS

James R. Martin, Chemical Services; Byron H. Hale, Engineering; and Frank N. Yodzukinas, General Can Fabrication Shop.

30 YEARS

Don E. Troutman, Engineering; Larry E. Fenstermaker, Equipment Services; Bobbie L. Mowell, Building Services; Cleo Sideris, Superintendents Division; Freeman B. Parrott, Electrical and Electronics; and Lewis C. Watson, Assembly Staff Support.

25 YEARS

Robert B. Burditt, Joseph R. Ryan Jr., Kenneth S. Whitehouse, George

H. Rains, Frank B. McDonald and Robert W. Hayes.

20 YEARS

Jerald E. Insell and Russell L. Dagley.

ORNL

40 YEARS

Henry S. McKown, Analytical Chemistry.

35 YEARS

Frank C. Sims, Instrumentation and Controls; and William B. Cottrell, Engineering Technology.

30 YEARS

Ray R. Beatty, Finance and Materials; William H. Shinpaugh Jr., Health and Safety Research; Joe H. Bratten, Information; Ivy L. Miller, Operations; Billy A. Tye, Instrumentation and Controls; William J. McDowell, Chemical Technology; David G. Thomas, Engineering Technology; and Jack W. Forseman, Engineering.

25 YEARS

Jack H. Moneyhun, Edward T. Arakawa and William O. Williams.

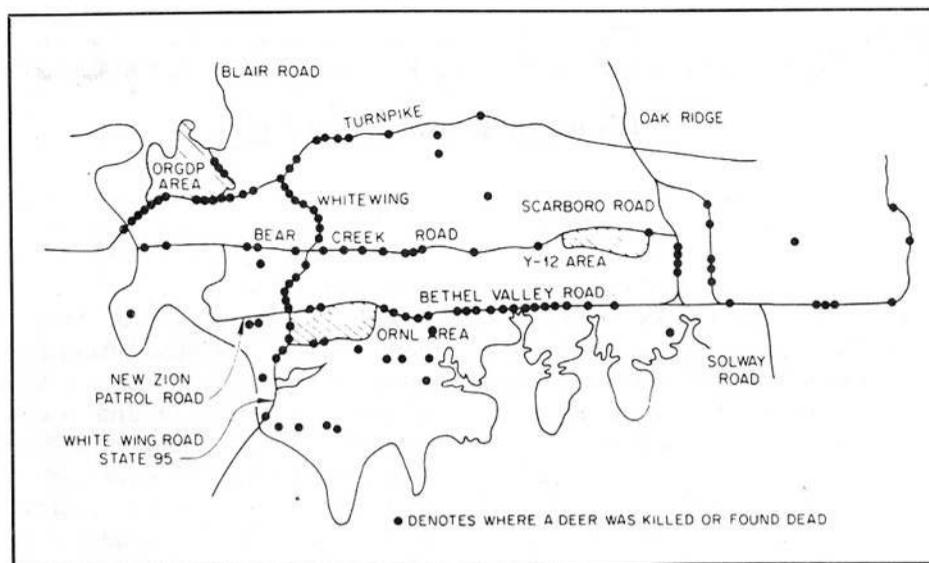
20 YEARS

Carroll K. Johnson and Edgar H. Bryant.

Energy-saving tip

If one heavy sweater doesn't keep you warm enough when you've set your thermostat at 68 degrees, don't turn up the heat. Wear two light sweaters instead.

The space between the two provides insulation — and an extra degree or two in warmth.



During late autumn

Drivers warned to be alert for deer crossing highways

November and December are the mating season for the two to three thousand white-tailed deer on the Oak Ridge Reservation, and a dangerous time for motorists and deer alike.

"The bucks are especially active during this time of year," says Jay Story, research associate in ORNL's Environmental Sciences Division. Story conducts research on the animal populations in the reservation, and part of his job is to retrieve the bodies of deer who have been killed alongside reservation roadways.

"We had four deer, all bucks, killed in one day this month. Three of them weighed between 190 and 200 pounds," Story says. Eleven were killed during the first two weeks of November.

"A 200-pound buck can do a lot of damage to any vehicle that hits it," Story adds. "We've had a lot of cases in which the car that struck a deer had to be towed — the damage was so extensive. So far, we've been lucky that drivers and passengers have only suffered minor injuries, but there have been cases in other states where drivers have been killed when a deer was hit."

Recent injuries

Recently, two employees were treated for injuries sustained when their small truck hit a deer.

Deer are totally unpredictable, according to Story. "A deer alongside the road can suddenly run in front of your vehicle, or turn around and go back into the woods."

While these unpredictable white tails are a hazard to the less-than-alert motorist year round, the mating season poses special dangers.

Bucks, which easily can weigh 200 pounds in the reservation's "very healthy" deer herd, appear to lose their sense of danger during the mating season, Story says. "They can easily come bolting across a roadway from out of nowhere, and they don't seem to care if a car is coming. Additionally, deer move around a lot on the reservation during the mating

season and that means crossing a lot of roads."

The majority of vehicle-deer collisions occur on Highways 58 and 95, Bethel Valley Road, Bear Creek Road and Scarboro Road. Most of the collisions occur between 6 and 8 a.m. and 10 p.m. to midnight. Last year 115 deer were killed on reservation roads.

"During most of the year, the majority of deer killed by collisions are female," Story says. "But during the November and December mating season, the bucks take the brunt of the punishment."

Specific steps

While the best prevention of costly vehicle-deer collisions is an alert driver, there are several specific steps all drivers should take to help prevent an accident or at least make it less severe:

Slow down. The higher the speed of the vehicle, the less reaction time available and the greater the risk of personal injury and property damage.

Be alert to traffic ahead of and behind you, and keep an eye on the shoulder of the road in case you have to hit your brakes or pull over.

Make a habit of fastening safety belts. If you do hit a deer, the chances of injury to driver and passengers are reduced.

Be alert

Be especially alert at dusk and just before dawn. Deer tend to travel in groups, so if you spot one deer crossing the road, assume there's another not far behind.

If you do hit a deer, try to get your car off the road. Don't go near an injured deer; you may be struck by a hoof or antlers. Contact the shift supervisor's office so the deer can be removed. Deer killed on the reservation are collected and inspected for disease, and specific organs are analyzed. The deer population of the reservation is carefully monitored to determine population trends and health of deer.

UNION
CARBIDE

Nuclear Division News

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EDITOR (Y-12)

James A. Young, 574-1643

ASSOCIATE EDITOR (ORNL)

Cindy Ross Lundy, 574-4163

ORGDP

Ruby A. Miller, 574-8092

PADUCAH

Laura Quigley, Bell 208

Published every other week
for employees such as:



Carol Page, Paducah
Plant Engineering

INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Nuclear Division employees among safest 'on the job'

(Continued from page 1)

The Department of Energy's Outstanding Performance Award recognizing one full year of work without a lost-workday injury was presented to both ORNL and the Paducah Plant. Both facilities also received DOE Awards of Achievement for reducing the incidence of lost-workday and restricted-work cases by at least 15 percent.

The Y-12 Plant received the Department's highest award, the Award of Excellence, for maintaining the incidence of lost-workday and restricted-work cases equal to or below 0.4 for four consecutive years.

The National Safety Council's highest award, the Award of Honor, was presented to the Paducah Plant, ORGDP, ORNL and the Y-12 Plant. It recognizes a record of 3 million or more employee hours worked consecutively without a lost-workday injury, or a specified improvement in this area. ORNL also received NSC awards in the categories of Best Record for Research and Development Laboratories and First Place for 1981 Chemical Section Safety Contest, Division 1, Group 1.

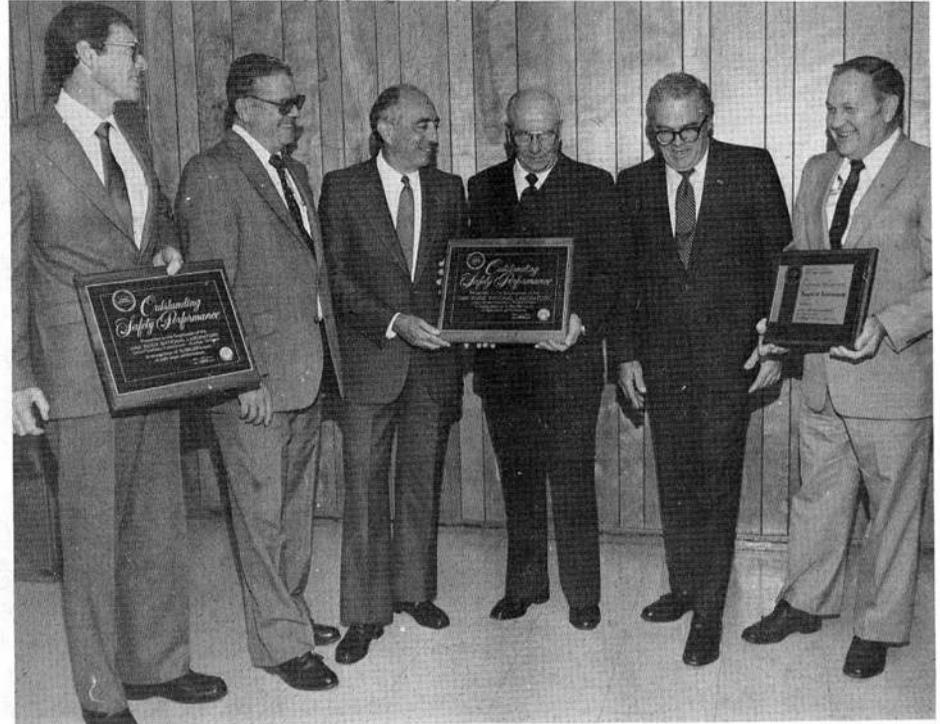
Employees at ORNL worked for over two years without a lost-workday accident, recording more than 17 million employee hours from May 1980 until June 1982.

Hibbs recognized union leaders at the luncheons, expressing his thanks for "the important contributions

made by their organizations to the Nuclear Division safety program."

Representing the unions at the Oak Ridge luncheon were: Vestel M. Austin, member of the ORGDP company-union safety advisory committee and representing Local 3288 of the Oil, Chemical and Atomic Workers; Norman L. Beeler of ORNL, vice president of the Atomic Trades and Labor Council; John E. Davidson of Y-12, president of Local 3 of the International Guards Union of America; Robert G. Keil of ORNL, ATLC president; Charles E. Robinson of Y-12, ATLC vice president; J. Doug Stephens of ORGDP, vice president of OCAW Local 3288; and I. C. Williams of ORGDP, president of Local 109 of the United Plant Guard Workers of America. James R. Lane of ORGDP, vice president of Local 109 of the UPGWA, was unable to attend.

Union representatives attending the Paducah luncheon included: Danny Bucy, member of the company-union safety advisory committee and steward of OCAW Local 3550; Willard Curnel, representing Local 111 of the United Plant Guard Workers of America; Valor L. Moore, member of the management-union safety advisory committee and representing OCAW Local 3550; and Rodney Pryer, member of the company-union safety advisory committee and representing OCAW Local 3550.



Herman Postma, Roger F. Hibbs, Alec Flamm, Norman L. Beeler, Robert J. Hart and Robert G. Keil



Clarence E. Johnson, Y-12 safety director; John E. Davidson; Charles E. Robinson; Roger F. Hibbs; and Gordon G. Fee



Danny Bucy, Robert E. Pyle, Willard Curnel, Rodney Pryer, Clayton D. Zerby, Valor L. Moore, Roger F. Hibbs and Vincent D'Amico

Safety Scoreboard

Time worked without a lost-time accident through November 18:

Y-12 Plant.....	128 Days	4,970,000 Employee-Hours
ORGDP	279 Days	6,510,965 Employee-Hours
ORNL	154 Days	3,448,742 Employee-Hours
Paducah.....	842 Days	6,956,477 Employee-Hours



Roger F. Hibbs, Alec Flamm, William F. Thomas, J. Doug Stephens, I. C. Williams, Vestel M. Austin and Robert J. Hart

News About People



WINNERS — Scott Eatherly and Barbara Lankford display the award-winning posters. Standing, from left, are Ken Ziehlke, Bob Neal and Steve DeKanich.

Staff members in the Materials and Chemistry Technology Department, Process Support Division at ORGDP, received two awards at the 15th Annual International Metallographic Exhibit.

The first-in-class award went to W. Scott Eatherly, Ken T. Ziehlke and Robert B. Neal for this entry titled "Explosively Welded Aluminum—Steel Transition Joints Used in Large

Heat Exchangers." The entry, "Drive Hub Failure Analysis," by Barbara S. Lankford and Steve J. Dekanich, received a third-in-class award.

Sponsored jointly by the International Metallographic Society and the American Society for Metals, the exhibit is designed to promote excellence in metallography. It includes ten classes covering all fields of optical, electron and color microscopy.

Garber named ASNT fellow

Joel W. Garber, manager of Centrifuge Support Services in the Operating Contractors Project Office (OCPO), has been named a "fellow" of the American Society for Nondestructive Testing (ASNT).

This honor is awarded to ASNT members who have made "continued significant contributions to the advancement of nondestructive testing and evaluation in areas such as management, engineering, science, education and administration of planning."

A native of Johnson City, Garber received his bachelor's degree in engineering physics and his master's degree in physics from the University of Tennessee.

Garber joined the Nuclear Division in 1961 at the Y-12 Plant. He was



Garber

manager of the Material Quality Evaluation Department at ORGDP before transferring to OCPO in 1979.

Garber and his wife, Sandra, have a son and a daughter. They live on Dominion Circle in Knoxville.

Paducah engineers gain certification

Ronald K. Dierolf and Boyd G. Warriner, Paducah's Cascade Operations, have been granted certification as Professional Engineers.

To receive certification, an engineer must have four years of experience in engineering and must complete the certification examinations.



Dierolf



Warriner

Laing receives ASTM award



Laing

William R. Laing, a section head in the ORNL Analytical Chemistry Division, has been named a 1982 recipient of the Award of Merit by ASTM, an international standards-writing organization.

The award recognizes distinguished service to the cause of voluntary standardization through service to ASTM, leadership, publication of papers or other contributions. Laing was cited for his leadership in the development of test methods for the nuclear fuel cycle and his contributions to standards for fuels, absorbers and moderators.

Liu awarded platinum membership



Liu

Chain T. Liu, senior staff researcher in ORNL's Metals and Ceramics Division, was recently awarded the Platinum Membership by the Board of Directors of the International Precious Metals Institute (IPMI). The Platinum Membership is the highest personal achievement award presented by IPMI. Liu has been instrumental in the development of several specialized alloys, including iridium-based alloys for the space power program.

New program offered at UT-Oak Ridge

Courses in the engineering management option of the Master of Science program in industrial engineering are now being offered at the University of Tennessee-Oak Ridge. The program is geared toward technical managers and offers flexibility in choosing electives to suit student/employee needs. All courses

required for a degree will be offered in Oak Ridge, and qualified persons may begin the program during the 1983 winter quarter.

Other course offerings during winter quarter include: Computer Science 4550-Systems Programming; Computer Science 4980-Special Topics: Real-time Operating Systems; Chemistry 6211-Special Topics in Mass Spectroscopy; and Management 5230-Human Problems in Administration.

Additional courses in finance; management; statistics; public health; aerospace, industrial, chemical and electrical engineering; engineering science and mechanics; mathematics, and physics also will be offered.

Winter quarter registration will be held January 3 and 4 from noon to 6 p.m. For more information, call the UT-Oak Ridge office at 576-3429 after noon.

Elected to radiation protection council

Three ORNL staff members have been elected to terms on the National Council on Radiation Protection and Measurements.

Chester R. Richmond, associate director for biomedical and environmental sciences, and John B. Storer, MD, senior scientist in the Biology Division, have been re-elected to six-year terms on the council; and R. J. Michael Fry, MD, head of the carcinogenesis section in Biology, has been elected to his first term. John A. Auxier, director of the Industrial Safety and Applied Health Physics Division, and James E. Turner of the analytical dosimetry and surface physics department in the Health and Safety Research Division are other council members from ORNL.

The council, comprised of some 73 members, was chartered by Congress in 1964 to collect, analyze and disseminate scientific information and recommendations concerning radiation safety standards and protective measures.

Safe driving tips . . .

Tennessee was the first state to enact laws requiring child-restraint devices in autos. The measure has saved countless lives since it was passed.

Safety officials, however, say that many more lives could be saved if adults used their safety belts. There is no law requiring adults to use their seat belts. Survival is the main incentive, however, and that should be reason enough to "buckle up."

Medic to hold blood drive at Y-12 early next month

After record-breaking blood drives at ORNL and ORGDP, Y-12 blood chairman Jim Nook, says "It's our turn now," as he readies for the mobile unit's visit to Building 9711-5, December 7, 8, 9 and 10.

ORNL's recent Medic drive netted 1270 units, seven above the number drawn at ORGDP in August. Nook, Y-12 Maintenance, pointed out that Y-12's larger number of employees, plus the location of some ORNL divisions at Y-12, should provide the opportunity for the December drive to break the previous records.

Medic officials believe that the ORGDP and ORNL drives have set records for community blood banks throughout the country. "It's not the numbers we're concerned with, however," said Jean Drinnen, Medic program director. "It centers around the increased need for blood in the area. Some hospitals have doubled their use of blood and its components just in the past year. Surgery is being performed in our hospitals that was reserved exclusively for Birmingham or elsewhere in the past. By-pass operations are almost routine in the Knoxville area today. Large quantities of blood and its derivatives are used in chemotherapy and in the

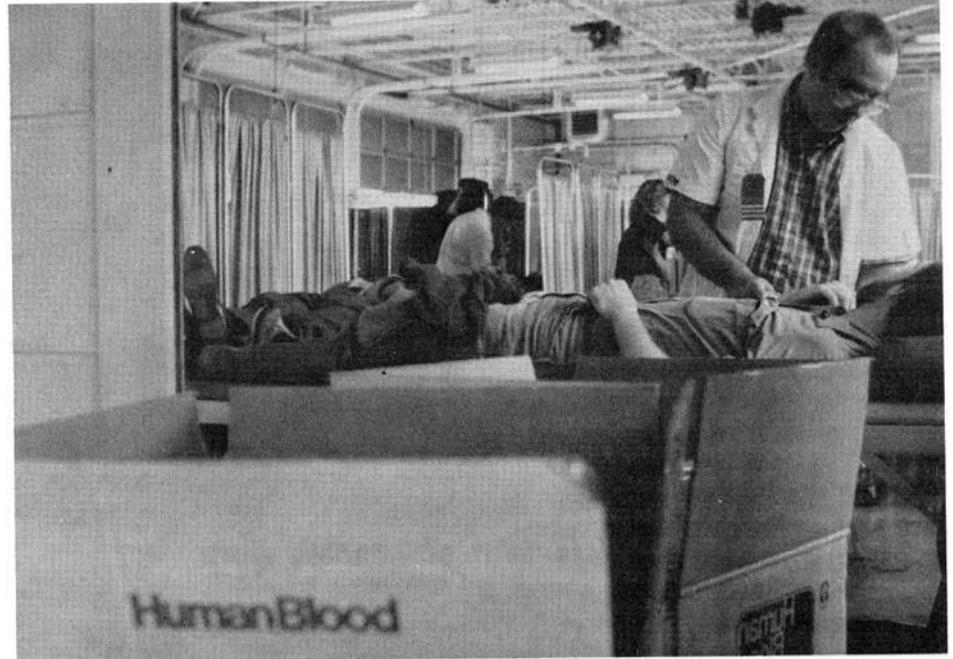
treatment of leukemia. It's almost an 'Alice in Wonderland' situation, where we have to run just to stay in one place."

The blood needs of Nuclear Division employees have been covered since July 1, when an agreement was made with Medic to stage at least two drives each year in the three Oak Ridge facilities. "Coverage" refers to the needs of the employee, plus his or her IRS dependents.

Rust Engineering employees also are urged to donate during the early-December drive at the Y-12 Cafeteria building. They will receive the same coverage that Carbide employees gain from the drives.

All donors are issued Medic cards. When a nondonor who is covered through the Nuclear Division receives blood, both the hospital and Medic's Knoxville office (524-3074) should be notified so that processing fees are not charged to the patient by the hospital.

Nook has appointed division leaders throughout the plant to solicit and schedule donors. Staggered hours will be arranged for the December 7, 8, 9 and 10 bloodmobile visits.



LYING DOWN ON THE JOB — Medic technicians are seen at the recent blood drive at ORNL when 1270 units of blood were donated to fill the needs of hospitals in the Tennessee/Kentucky areas.

L. Michael Cuddy to manage Employee Relations at Y-12

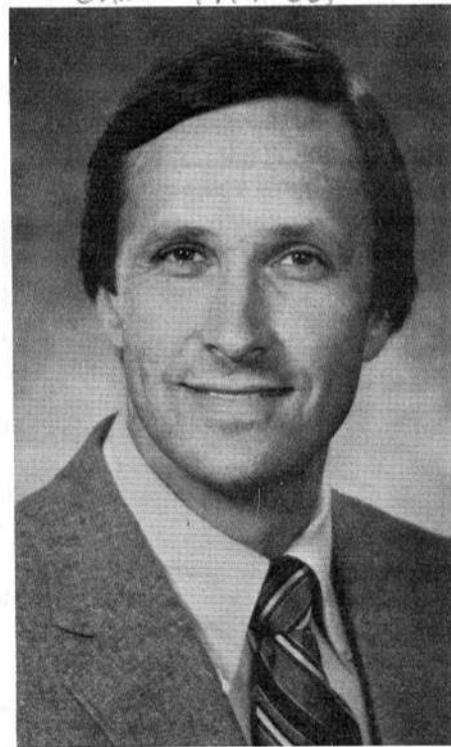
L. Michael Cuddy has been named Employee Relations Division manager at the Oak Ridge Y-12 Plant. On January 1, Cuddy will succeed Herman G. P. Snyder, Employee Relations manager since 1965, who is retiring with more than 36 years service.

Currently, Cuddy is superintendent of the Mechanical Engineering Department at ORNL. A native of Kingsport, Tenn., he received his BS in mechanical engineering and MBA in finance and operations research from the University of Tennessee.

Cuddy joined the Nuclear Division as a mechanical design engineer at the Y-12 Plant in 1967. He was named a design engineering group leader at ORGDP in 1972, and, in 1976 was appointed principal mechanical engineer for the proposed add-on gaseous diffusion plant project.

Cuddy transferred to the Y-12 Plant as manager of the Engineering Mechanics Department in 1977, with responsibility for three design engineering groups. In 1979, he was named Maintenance Department superintendent in ORNL's Plant and Equipment Division.

Cuddy has been in his present position at ORNL since April 1981. In addition to providing mechanical design services for remote control systems, reactor experiments, facility layout planning, and special machines for energy research and development, the Mechanical Engi-



L. Michael Cuddy

neering Department conducts systems engineering for the Laboratory's waste management activities.

Cuddy is certified as a professional engineer in Tennessee. He is a member of the Tennessee Society of Professional Engineers, Pi Tau Sigma honorary mechanical engineering fraternity and Beta Gamma Sigma honorary business fraternity.

He and his wife Carolyn have two children. They live on Crown Point Drive in Knoxville.

Y-12 BLOOD DRIVE

Division Representatives

Analytical Chemistry	Warner H. Christie, 3735, MS-1 (4-2449)
Assembly	Louise Rogers, 9204-4, MS-1 (4-3650)
Biology	Stan Cook, 9207, MS-12 (4-0018)
Development	Rebecca Jackson, 9204-2, MS-3 (4-1707)
Employee Relations	Rosemary Sluder, 9704-2, MS-5 (6-5896)
Energy	Kathi Vaughan, 9102-2, Rm. 201 (4-5271)
Engineering	Glen W. Stout, 9739, MS-3 (4-1054)
Engineering Technology	Uri Gat, 9108, MS-2 (4-0559)
Fabrication	George A. Gregory, 9212, MS-1A (4-1073)
Finance, Materials and Services	Don McMurray, 9720-8, MS-1 (4-0040)
Technical Services	Charlie Gillihan, 9723-11A, MS-1 (4-2590)
Fusion Energy	Carl Brock, 9201-2, MS-1 (4-0139)
Health, Safety and Environment	William T. Mee, 9723-10, MS-1 (4-2561)
Industrial Engineering	Glen Kitts, 9103, MS-3 (4-3801)
Maintenance	Francis W. Henson, 9737, MS-1 (4-0524)
Metal Preparation	Juan Perez, 1420, MS-347 (4-9007)
Product Certification	Sue Tate, 9723-14, MS-1 (4-2327)
Quality	Letitia Murr, 9723-11A, MS-1 (6-3750)
Security, Plant Protection and Utilities	George Yarborough, 9201-3, MS-9 (6-5857)
Information	Curtis Boles, 9766, MS-1 (4-1287)
Rust Engineering	John J. Eckerle, 9711-6 (4-3020)

Bowling alley notes...

Thursday Mixed...

The Par Busters lead the Lenoir City League, with the Unpredictables and Spoilers tied for second. Recent high series were rolled by Glenn Monger, 610; Jack Skinner, 525; Glenn Way, 524; and Sue Lowe, 521. High game honors went to Jim Cook, 216; Glenn Monger, 214; Glenn Way, 211; and Jack Skinner, 207.

Carbide Family Mixed...

Wayne McLaughlin took recent men's high game honors, with a 219 scratch and 247 handicap. Men's series highs were rolled by John McEligott, with a 522 scratch, 660 handicap. Edith Duckworth led the women with a high scratch game of 193, high scratch series of 554 and high handicap series of 641. Eloise Kirk rolled a 224 high handicap game.

ORGDP Women's...

The Mouse Chasers lead the ORGDP Women's League by a point over the Woodbees. Recent high series were rolled by Mary Hawkins, 510 scratch; and Anne Keese, 663 handicap. Marie Hickson rolled a high scratch game of 189.

K-25 Tuesday...

The Team leads the K-25 Tuesday League, followed closely by the All Stars and Double X. The Atoms rolled a high series of 3064, while the City Slickers took single-game honors with a 1091. Recent individual high scorers were: G. J. Marrow, 222 scratch game; T. L. Hansford, 252 handicap game and 675 series; and D. Pollitt, 604 scratch series.

Carbide Wednesday...

Sues Sooners still lead the Carbide Wednesday Men's League, trailed by the Operators. The Sooners rolled a recent team high series of 3070, while the Demons led in team game scoring with a 1072. Individual high scores were rolled by Chuck McCluskey, 244 scratch game and 638 scratch series; Frank Scheitlin, 257 handicap game; and Moe Carmichael, 662 handicap series.

ORNL A...

The Woodchoppers are clinging to a slim lead over Elwood's Chargers in the ORNL A League. Recent individual highs were rolled by Don Hendrix, with a 731 high handicap series; Gene Roy, with a 242 handicap game; and Wayne Paul with a 222 scratch game. The Half Frames rolled a high team series of 3027.

Y-12 Classic...

The Ridgers and Apollo Five are tied for the lead in the Y-12 Classic League, just ahead of the Has Beens and the Fes-Kids. Recent team highs were recorded by the Splinters, with an 1169 game and a 3314 series. Ernie Lamb has rolled a high game of 289, while Larry Hammond's 726 series is high for the season.

Y-12 C...

Recent highs in the Y-12 C League included a 233 scratch game, 277 handicap game and 700 handicap series by W. Sanders of the Anodes. The Hardtimes' Manos rolled a 594 scratch series. Mary Sheffler converted the difficult 6-7-10 split in recent action.



Reva Trotter with scrimshaw work



Tom King with stained glass

December crafts fair features work of Division employees

Several Nuclear Division employees and their families are involved in the Pilot Club's annual arts and crafts fair at the Oak Ridge Civic Center, December 3, 4 and 5.

Reva Trotter, wife of Troy C. of ORGDP Engineering, and herself a former Y-12er, will specialize in scrimshaw, the art of incising designs on ivory and mother-of-pearl. Her works include pendants, bola ties, earrings, belt buckles and rings. Tom King of ORNL's Engineering Technology Division has been doing stained glass for the past five years, and his works include handcut and assembled lampshades, carriage lanterns, boxes, and a variety of glass figures, ornaments and trays. Virginia Tyle, wife of Y-12 welding inspector Henry Tyle, will show handmade and hand-embroidered blouses and hand-quilted pillows.

Ann Ashley, wife of James C. of ORNL's Health and Safety Research Division, does folk art and decorative painting; Ollie Butturini, wife of Charles W., Y-12 Maintenance, live plants; Delores Cole, wife of James S., Y-12 Product Engineering, pressed floral pictures; J. C. McCown, Product Certification Y-12, watercolors; Bobbie Newman, wife of B. G., Information Research and

Development, ORNL, needlecraft; and Richard Taylor, Y-12 Technical Services, pottery, stoneware and raku ware, a form of lead-glazed Japanese pottery.

Admission to the craft fair is free. Hours on December 3 are from 1 to 9 p.m.; December 4, 9 a.m. to 6 p.m.; and December 5, noon to 5 p.m.

(More recreation news on page 8)

Winning anglers named at Paducah

Winners were announced recently in the annual Paducah Plant fishing contest. In the catfish competition, Cletus Bell took first place with a 34-pound, 4-ounce catch. Dorothy Pottinger, wife of Hardy Pottinger, won the striped bass competition with a 3-pound, 1-ounce entry. William Cage placed first in the black bass contest with a 6-pound, 5-ounce catch, and James Turner won in the crappie category with a 2-pound, 4-ounce entry.

Consolation prizes for nonwinning entries went to Jeffrey Bennett, son of Jack Bennett; Elvis Courtney; Edward Krinard; Melvin Ballard; and Thomas Pierce and his son, Keith.



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.

Where are Carbide bonuses?

QUESTION: A letter from plant management explaining the three-month postponement of all exempt-salary increases and adjustments without annualization says, "In the past, when Union Carbide benefits and salary programs have been improved, these improvements have been made effective in the Nuclear Division." If this is true, where are all my Corporation bonuses for the past twenty years?

ANSWER: It is true that the Nuclear Division has followed the Union Carbide practice in connection with employee benefits and compensation policies, including the various incentive plans which apply to a very limited number of employees. The most publicized plan is the 1979 Union Carbide Incentive Compensation Plan for key employees, which since its inception has been explained each year in the Annual Proxy Statement. In 1982, only 359 officers and key managers out of a total employment of 110,000 received bonuses under the plan.

Severance pay?

QUESTION: How much in total severance pay was provided to the 163 recent recipients of voluntary reductions in force at ORNL?

ANSWER: The amount of severance pay depended on the payroll involved and the length of service of each individual. For those employees who were retiring, part of the layoff allowance would have been paid in any event, but an incremental, additional amount was involved. In all instances, those receiving voluntary and involuntary layoff allowances received pay for the same periods of

time if company service was equal and they were on the same payrolls.

Extended workday

QUESTION: What is the Nuclear Division policy concerning a monthly salaried supervisor who is required by his supervisor to work a regularly scheduled extended workday?

ANSWER: Exempt employees are expected to work overtime as necessary to accomplish their assigned responsibilities.

If unusual workload conditions require that all employees in a department or group be scheduled for extra hours of work on a continuing basis over an extended period of time, it is Company policy to place these employees on an extended workweek, which provides for additional compensation.

It is possible that an individual or a limited number of exempt employees may be scheduled to work overtime regularly for a period of time to meet a special operating problem. If such overtime becomes excessive and is not included in a paid, extended-workweek arrangement, some compensating time off should be given as soon as practicable.

Safe driving tips

To avoid a rear-end collision, you should:

- 1) Signal your intentions in time.
- 2) Stop smoothly.
- 3) Keep clear of tailgaters by slowing down and allowing them to pass you.
- 4) At an intersection, stop far enough behind the car ahead so that you can see its rear tires.

Should you install a home alarm system?

By Larry R. Moore

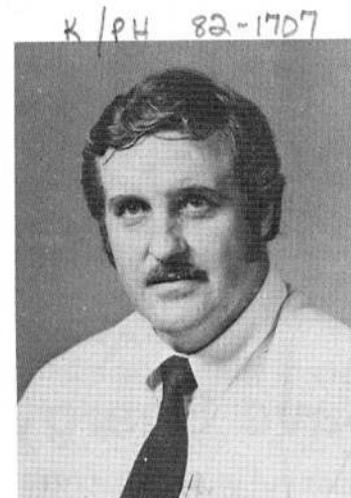
It is estimated that the use of electronic crime countermeasures would prevent some 95 percent of all burglaries. The installation of an alarm detector network probably represents the maximum effort in physical protection of your home.

Before installing such a system, one should determine his or her security objectives. For example, does the occupant wish to detect attempted entry at the perimeter (doors and windows) of the dwelling, to detect an intruder once entry is made, or both? If perimeter detection is the objective, electronic devices such as magnetic switches and vibration detectors are essential. If internal detection is desired, ultrasonic and pressure-sensitive mat detectors must be used. For the most complete protection, a combination of these measures should be utilized, with the motion-sensitive devices serving as backups for the perimeter system of magnetic switches and vibration detectors.

Analyzing the home

An analysis of the home to maximize the electronic coverage may result in considerable savings. A strategically positioned motion-detection device may provide adequate protection for several rooms, doors or windows.

The illustration shows a sample alarm network system. In the diagram, the windows are secured with magnetic switches and the strategic entry areas are protected by motion-detection devices. Electronic alarm pressure mats also secure any areas where potential burglars could leave the dwelling. The installation of such an electronic alarm system, coupled with the use of proper locking de-



vices and common sense, would make it extremely difficult (but not impossible) for an intruder to burglarize your home.

Supplemental devices

A possible supplement to the system is the use of inexpensive, portable motion-detection devices that can be repositioned throughout the home. All of the devices should operate at maximum range to protect as large an area as possible, rather than just a door or a specific item.

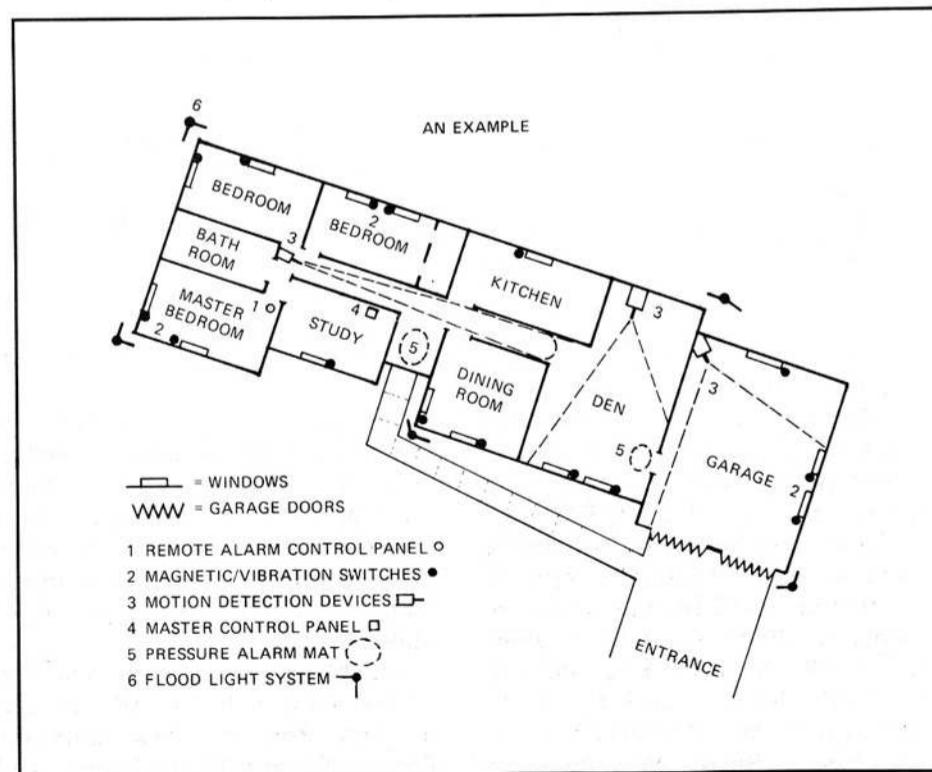
Your alarm detector network should be tested every 30 to 60 days to ensure peak performance. The alarm should be wired so that it will signal both the local police station and a neighbor. The system also should contain loud, strategically located horns and should be connected to a floodlight system, as illustrated.

Patents

John Lewis Jr. and George E. Wrenn Jr., both of Y-12, "Method for Depositing a Uniform Layer of Particulate Material on the Surface of an Article Having Interconnected Porosity."



MISSOURI INDUSTRY DAY — Charles F. Spencer, Paducah Plant Engineering, answers questions about the nuclear industry and the gaseous diffusion process at the 1982 Missouri Industry Day sponsored by the University of Missouri-Rolla. David M. Massey of Electrical also visited the campus with Spencer.



Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
July 82	21.5778	42.8226	12.0114
August 82	21.7696	45.7450	13.1057
September 82	21.9623	49.3688	13.2389
October 82	22.1557	51.6194	14.2607

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 11% for 1982. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Save Energy / Share The Ride

Y-12

CAR POOL MEMBER from Cedar Bluff Shopping Center to all portals, 7:30-4. Bill Brosey, plant phone 4-0881; home phone Knoxville 693-4542.

CAR POOL MEMBERS from Rockwood or Harriman to any portal, 7:30-4. David, plant phone 4-2422; home phone 354-4404; or Bob, plant phone 4-2418; home phone 354-1077.

RIDER WANTED from Walker Springs Road area, Knoxville, to all portals, 7:30-4. Jerry Whittaker, plant phone 4-0886; home phone Knoxville 693-4718.

RIDE NEEDED from Bakertown Road, Cumberland Estates, to North Portal, 7:30-4. Edith Holliday, plant phone 4-1140.

RIDE NEEDED from Westcliff Apartments, Lyons View Drive, Knoxville, via Northshore Drive area, Papermill Road exit, to Biology Portal, 8-4:30. A. G. Vest, plant phone 4-1242.

JOIN or FORM CAR POOL from Broadway/St. Mary's area, Knoxville, to East Portal, 7:30-4. Pat Duncan, plant phone 4-2244.

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 RIDER NEEDED from West Knoxville (Sutherland Avenue, Lonas Road, Papermill Road, Middlebrook Pike areas) to main portals, 8:15-4:45. S. L. Wyatt, plant phone 4-4165; home phone 584-4839.

CAR POOL MEMBER NEEDED from West Knoxville (Cloth World Parking Lot, Kingston Pike) to East or West Portal, 8-4:30. Paula Wright, home phone 588-7765.

BUS RIDERS NEEDED from Burlington area (East Knoxville) and Asheville Highway, via Clinton Highway, to any portal at ORNL (except south) 8-4:30. P. R. Long, plant phone 4-4154; home phone 637-3231 or Twana Taylor, plant phone 4-7281.

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

ORGDP

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

ORNL

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson,

More bowling action . . .

UCC Mixed...

The Split Images and M&M's are tied for the top spot in the UCC Mixed League, just ahead of the Tidy Bowlers and the Alley Cats. The Lickity Splits hold the top score for team series, with a 2496, while the Split Images have a high game of 914. Individual high scores are held by Dave Medovich, 661 series; Trish Lankford, 716 series; Jim Young, 266 game; and Trish Lankford, 265 game.

Monday Mixed...

The Go-Getters continue to lead the UCC Monday Mixed League, followed by the Hi-Rollers. Bill Muenzer (596) and Penny Jessen (585) hold high scratch series, while Joe Carr (655) and Brenda Williams (692) are handicap leaders. Top scratch games have been rolled by George Byrd (234) and Brenda Williams (234), and Ken Cochran (248) and Mary Johnson (247) lead in handicap scoring.

Inspector general's office established

An Eastern Regional Office of the DOE Office of the Inspector General has been established in Oak Ridge. One of the functions of the office is to receive and act on reports of possible fraud, abuse or other wrongdoing in DOE programmatic activities.

Employees with knowledge of such acts should contact the office. Confidentiality will be respected to the full extent of the law. The regional office can be contacted as follows: Office of the Inspector General, U.S. Department of Energy, P.O. Box 3196, Oak Ridge 37830, telephone 576-5774.

1983 tournament set for February

The 1983 Carbide Mixed Bowling Tournament will be held February 5, 6, 12, 13, 19 and 20 at the Tri-County Lanes in Oliver Springs. Entry deadline for the tournament, which is sanctioned by the ABC and WIBC, is January 19.

Entry forms are available at Tri-County Lanes and from league secretaries and the Nuclear Division Recreation Office.

Clarence E. Zachary dies in Knoxville

Clarence E. Zachary, a senior laboratory technician in the ORNL Metals and Ceramics Division, died November 14 at the University of Tennessee Hospital in Knoxville.

Mr. Zachary, a 28-year Carbide employee, lived at 611 Churchill Road, Knoxville. He was a member of Heritage Presbyterian Church.

Survivors include his wife, June L., and daughter, Judith Zachary Fenton, both of Knoxville.

Services were conducted at Clapp's Chapel Cemetery. Memorial contributions may be made to the Heritage Presbyterian Church Building Fund.

Carbide retirees plan holiday party

A Christmas Party for Union Carbide retirees, spouses, widows and widowers will be held December 9 beginning at 8 p.m. at the Elks Lodge in Oak Ridge.

Admission is \$2 per person for the event, which will feature music by the Back Door Band. Cheese hors d'oeuvres will be provided by the ORNL Credit Union, and punch will be furnished by the Retirees Association.

Only 250 reservations will be accepted. If space is available, guest reservations will be accepted beginning December 6.

For reservations or more information, call Don and Ann Matlock, 483-6733; Marge Walker, 483-4418; or the UCRA Office, 576-1786. Reservation requests may be mailed to the Union Carbide Retirees Association, P.O. Box 3501, Oak Ridge, 37830. Membership in UCRA is not a requirement for attending.

Pool league forming

Efforts are now under way to form an eight-ball pool players' league. Interested employees should contact Bill Maddux of the Recreation Department at 4-1598.



Mr. Zachary

Next issue...

The next issue will be dated December 9. The deadline is December 1.



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