



NUCLEAR DIVISION HONORS — Displaying the "Outstanding Employer of the Year" awards are, from left, Joanne S. Gailar, Nuclear Division Equal Opportunity coordinator; Doug Woods of ORGDP's Finance, Materials and Services Division; Nuclear Division President Roger F. Hibbs; Susanna C. West of the ORNL Information Division; and Jane L. Patterson of the ORNL Training Department, who has coordinated employment of the handicapped for the Nuclear Division.

Nuclear Division receives 'employer of year' awards

The Nuclear Division has been named Tennessee's Outstanding Employer of the Hearing Impaired by the Tennessee Council for the Hearing Impaired.

The award, presented by Governor Lamar Alexander during recent ceremonies at the Capitol, recognizes an employer in the state who has "extensively hired and successfully incorporated hearing-impaired employees within the business, and has provided an example for other employers to follow." The Nuclear Division had previously been named recipient of a similar award from the Knoxville Area Committee for the Deaf.

Fifteen persons with severe hearing impairments are currently employed by the Nuclear Division. They work in varied roles, including those of word processors, keypunch operators, machinists, reproduction clerks and laboratory technicians.

The Nuclear Division recently observed Hearing-Impaired Awareness Week, which emphasized the employment and training needs of persons with hearing impairments. Activities included discussions on career opportunities, working with the deaf and understanding deafness. Barbara G. Ashdown, ORNL Affirmative Action Coordinator, and Susanna C. West of the ORNL Information Division coordinated the week's activities.

Ongoing communications programs for hearing-impaired employees within the Nuclear Division involve the use of teletypewriters, interpreting and sign language. Employee development programs, including the Career Planning Program and the Defensive Driving Course, also have been adapted for the hearing impaired.

"Our effort to hire hearing-impaired persons has been a joint one," explained Joanne S. Gailar, UCC-ND Equal Opportunity coordinator. "Recognition of the Nuclear Division as 'Outstanding Employer of the Year' is due in large part to the efforts of our employment staffs, Equal Opportunity/Affirmative Action staffs and supervisors of the hearing-impaired employees at each of our facilities."



DISPLAYING AWARDS — Shown with the state and area "Outstanding Employer of the Year" awards are, from left, Eric L. Plunkett, Y-12 Affirmative Action coordinator; Barbara G. Ashdown, ORNL Affirmative Action coordinator; Doug Woods of ORGDP's Finance, Materials and Services Division; Nuclear Division President Roger F. Hibbs; Susanna C. West of the ORNL Information Division; and David R. Rupert, ORGDP Affirmative Action coordinator.

ORNL summer seminars begin

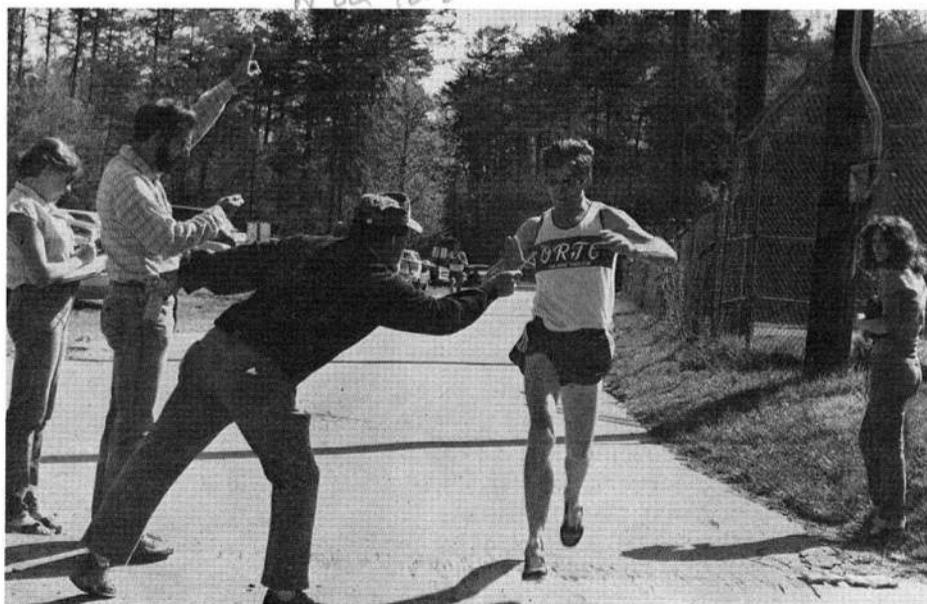
A weekly series of seven energy-related seminars for summer student and faculty visitors to ORNL will begin June 15.

The opening presentation, "Do Energy Conservation Programs Work?" will be given by Eric A. Hirst, group leader in the ORNL Energy Division's Conservation and Use Analysis Section.

Other ORNL speakers in the series, which continues through August 3, will be: William O. Harms, director of Nuclear Reactor Technology Programs, "Nuclear Fission — The Role of the Breeder" (June 22); Charles D. Scott, associate director, Chemical Technology Division, "Biotechnology for Energy Production and Conservation" (June 29); Truman D. Ander-

son, director of program planning and analysis, "The Case for Energy Research and Development" (July 13); John Sheffield, associate director, Fusion Energy Division, "Magnetic Fusion Research and the Role of ORNL" (July 20); David E. Reichle, associate director, Environmental Sciences Division, "The Global Carbon Cycle" (July 27); and Ronald M. Canon of the Chemical Technology Division's Advanced Technology Section, "Strategic Materials: Long-term Problems" (August 3).

The seminars will be held at 3 p.m. each Tuesday (except July 6) in ORNL's East Auditorium, Building 4500 North. For more information, contact the Laboratory's Office of University Relations, 574-5922.



In this issue...

Marshall Adams breaks the tape to take the Carbide roadrunner contest held at Clark Center Recreation Park. Winners and photos are on page 7.

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Anniversaries

ORNL

35 YEARS

William C. Waggener, Chemistry; James F. Land, Chemistry; Ernest W. Davis, Plant and Equipment; Roy W. Webber, Laboratory Protection; Paul Crawford, Plant and Equipment; and Lawrence R. Hall, Analytical Chemistry.

30 YEARS

Russell G. Jenness, Plant and Equipment; Roy E. Thoma Jr., Central Management; Charles S. Yust, Metals and Ceramics; Robert A. Weeks, Solid State; Kyle E. Sowder, Plant and Equipment; Joel A. Carter, Analytical Chemistry; Geraldine O. Brown, Engineering Technology; Troy N. Burklow, Engineering; and Charles A. Lewis, Engineering.

25 YEARS

Sydney J. Ball, Robert E. Minturn, Karl W. Haff, Gladys M. Carpenter, Mary Helen Owen, Richard L. Becker, Walter C. Cox, Albert H. Gregory and Burl F. Henry.

20 YEARS

Charles D. Gibson, Robert B. Fitts, John A. Biggerstaff, Fred J. Stenglein Jr. and Brady D. Holcomb.

Y-12

35 YEARS

Myrl F. Greene, Security.

30 YEARS

Elmer L. Turnbill, Electrical and Electronics; Calvin H. Goins, Utilities Administration; William R. Ellis, Talmadge C. Wilson and Donal G. Shaner, all of Engineering.

25 YEARS

Rodney Von Gruenigen, John W. Towle, James C. Moon, William J. Werner and Daisy L. Harris.

ORGDP

40 YEARS

Dale W. Magnuson, Advanced Isotope Separations.

35 YEARS

Mary H. Hughes, Plant Managers; Gordon M. Lindner, Enrichment Technology; and Max Wyatt, Operations.

30 YEARS

Robert W. Browell, Computer Sciences; James R. DeMonbrun, Engineering; Robert B. Harrington, Maintenance; Richard D. Hughes, Maintenance; Donald R. Kellogg, Engineering; Jerry S. Klobe, Engineering; Robert G. Longmire, Maintenance; James L. Madix, Enrichment Technology; Donald R. McCammon, Purchasing; Richard R. Shelton, Enrichment Technology; and Harmon G. Smith, Engineering.

25 YEARS

Douglas E. Fain, Doris W. Frazier, Sybil K. Gunter, James D. Kirkpatrick and Thomas W. Selby.

20 YEARS

John Csurny III, Frank E. Frye, Norman F. Kuneman, Harry G. Mills and Kibbee D. Streetman.

PADUCAH

30 YEARS

Forrest P. Smith, Power, Utilities and Chemicals; K. Glen Cherry, Electrical Maintenance; W. J. Kelly, Cascade Operations; J. S. Triplett, Materials Department; Robert W. Parks, Guard Department; L. George Bourgeois Jr., Instrument Maintenance; Robert W. Murry, Electrical Maintenance; George Koster, Electrical Maintenance; and Clifford R. Adams, Analytical Laboratory.



"INSPECTOR OF THE YEAR" — G. Richard Jones, Technical Services Division at ORGDP, is presented the "Award of Excellence" by Chuck L. Carter, chairman of the Awards Committee, American Society of Quality Control. Jones was honored as international inspector of the year at the organization's Annual Quality Congress and Exposition held recently in Detroit, Mich.

Jones named Inspector of Year

G. Richard Jones has been selected international "Inspector of the Year" by the American Society of Quality Control (ASQC). Earlier this year, Jones, who is a senior inspector in the Centrifuge Quality Control Services Department, Technical Services Division, at ORGDP, was named inspector of the year by both the Nuclear Division and the Tennessee Section of ASQC.

dates from nine regions throughout the U.S. and Canada.

The award goes to a quality control inspector who has made outstanding contributions to his employer in the areas of on-the-job knowledge and abilities; interpersonal relationships with peers, supervision and off-site manufacturers; training of others; and continued professional development efforts.

Jones is a native of Oak Ridge. He received his associate of science degree from Roane State Community College and attended Middle Tennessee State University. He and his wife, Gail, live on Farmers Hollow Road in Clinton with their son.

Question Box

How long do retirees live?

QUESTION: How long does the average Union Carbide retiree live after retiring?

ANSWER: It depends, of course, on the age at which the employee retires. Since Union Carbide began operating in Oak Ridge in 1943, about 4,680 Nuclear Division employees have retired. Approximately 78 percent (3,636) are still living.

A recent study made by statistical experts at the Y-12 location focused its attention on all employees who retired between age 55 and 66. They concluded that the life expectancy varies from 20.9 years for a 55-year-old retiring employee to 14.2 years for a 65-year-old retiree.

This conclusion is reasonably close to the nationwide average life expectancy of 20.8 years for white males aged 55 and 14.0 years for white males aged 65 (U.S. National Center for Health Statistics, 1978). White males have historically composed 90 percent of the Nuclear Division's retirees.

Vending machine service

QUESTION: Why don't the vending machines in the plants contain better-tasting, fresher and higher-quality snack foods? Very few "name brand" foods appear; and when they do, they often are near or past the expiration date. Also, the prices of the lower-quality foods are just as high as those of the "name brands," so why not carry only the better selections?

ANSWER: The Oak Ridge vending company currently buys snack merchandise for resale from 11 different bakeries and suppliers in an effort to offer a wide selection of quality products. The pastries have code dates ranging from 5 days up to 30 days and are removed from the machines when the code date expires.

Suggestions and recommendations concerning snack selections are welcomed and can be relayed to the vendor through the Cafeteria Manager at each installation.

UNION
CARBIDE

Nuclear Division News

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NUCLEAR DIVISION
Post Office Box Y
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ORGDP

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PADUCAH

Ann J. Erwin, Bell 368

Published every other week
for employees such as:



Joe W. Mack, Paducah
Cascade Operations
Division

INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS



Medicine chest

Treating retina degeneration

by T. A. Lincoln, M.D.

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

QUESTION: I read a brief note about a new laser treatment for degeneration of the retina. It was described as a "breakthrough" that could prevent some 70,000 cases of impaired vision or blindness. People were urged to seek treatment promptly, because delay could render the treatment useless. In the article, however, the symptoms were not described. Please discuss them.

ANSWER: Senile macular degeneration, a result of aging, affects about 10 million Americans over age 50. The macula occupies a total area of less than one square millimeter in the center of the retina, the nervous coating inside the back of the eye. This is the most sensitive part of the retina and is essential for sharp or detailed vision like that required for reading.

In the center of the macula is a cup-shaped depression measuring only 0.4 mm., called the fovea. It is here that nerve cells called cones are directly exposed to focused light. In all other retinal areas, the light is filtered through several layers of the

retina. In this area, other layers are displaced to one side rather than resting directly on top of the cones.

'Deterioration more common in blue-eyed persons.'

After a person reaches the age of 50, the macula sometimes deteriorates, usually in only one eye. This deterioration is more common in people with blue eyes and blond complexions. In 85 to 90 percent of such cases, the deterioration occurs slowly, and there may be no symptoms until a person tries to read using only one eye. Normally, if one eye remains healthy, a person may not notice a modest impairment in vision in the other eye. When reading, however, he or she may notice that the print is blurred or distorted, or that details that formerly could be seen easily can no longer be seen.

Sometimes macular degeneration is discovered when a routine vision test reveals impaired vision that cannot be corrected by wearing glasses.

Typically, the ophthalmologist will discover the degeneration when examining the back of the eye with special magnifying lenses.

'Tiny new blood vessels grow into the damaged area.'

In a few cases, the deterioration may occur quite rapidly. Tiny new blood vessels grow into the damaged area, apparently as part of scar formation. This process begins at the edge of the macula and extends toward the fovea. This sometimes requires only a few weeks, and, within a month or two, the fovea will be completely destroyed.

The best way to detect early vision loss is for the person to cover each eye separately (with glasses on, if he or she normally wears them), and then look at a straight line, such as a door or picture frame. If the edge appears bent or distorted, or if a blank spot appears, the procedure should be repeated after a few minutes. One can also try reading fine print using only one eye. Ideally, a person should try one of these quick tests each day. If a defect is detected, one should check with an ophthalmologist immediately.

Since few people have the discipline to check their vision carefully each day, an alternative is to pay attention when a vision problem ap-

pears. Don't ignore it. Cover one eye and try to determine which eye is affected. Visit or call an ophthalmologist right away, and tell the receptionist what you have noticed. If the ophthalmologist has an alert office staff, you should be allowed to describe your symptoms directly to the doctor, or at least to make an appointment to see the specialist very soon.

The treatment that is proving so effective uses a laser beam to seal off the tiny blood vessels that are growing into the fovea. To be successful, the treatment must be performed promptly.

'Central vision often is almost totally destroyed.'

Initially, macular degeneration usually occurs in only one eye, but the other eye may sometimes be damaged months or years later. People with bilateral severe macular deterioration are functionally blind but can find their way around and see large objects. Their peripheral vision remains good, but central vision often is almost totally destroyed.

Protecting vision is crucial for a self-sufficient, happy retirement. Being alert to vision changes and performing daily checks are necessary for early discovery of this condition, whose progression may be halted by prompt treatment.

Named to Human Resource Development

Kathryn D. Coleman has been named manager for Human Resource Development in the Y-12 Employee Relations Division.

Coleman grew up in Laurel, Md. She received her BA degree from Tusculum College and her MBA from the Wharton School of the University of Pennsylvania.

After two summers as a student trainee, Coleman joined the Nuclear Division as a full-time employee relations representative at ORGDP in 1976.

In 1979, following a year-and-a-half of educational leave, she was named ORGDP Affirmative Action Coordinator. Since January 1981, she has served as Administrative Services Department supervisor in Y-12's Industrial Engineering Division.

In her new position, Coleman will report to Herman G. P. Snyder,



Coleman

Employee Relations Division manager. Her responsibilities will include the affirmative action and employee training and development functions at Y-12.

Coleman is a member of the American Society for Training and Development. She lives in Oak Ridge.



TRAFFIC AHEAD — The intersection of Highways 58 and 95 (White Wing Road) is undergoing a major face-lifting. A bridge span will accommodate motorists either entering or leaving White Wing. During the massive construction now in progress there, extreme caution is urged as commuters to all three of the Nuclear Division plants in Oak Ridge traverse this road. Traffic flow has been reduced, because the four-lane road has temporarily been changed to two lanes. The intersection has been the scene of several fatal accidents in the past few years.

Savings Plan-Personal Investment Account

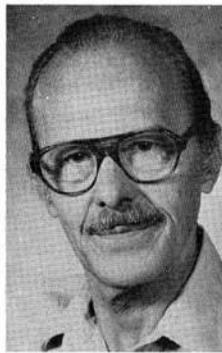
Table with 4 columns: Date, Fixed Income Fund, UCC Stock, Equity Investment Fund. Rows show values from December 76 to April 82.

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.

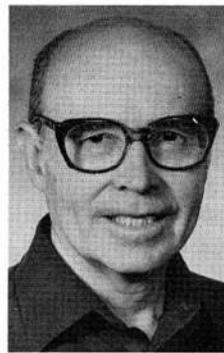
Recent Retirements



William E. Unger
Fuel Recycle
ORNL
36 years service



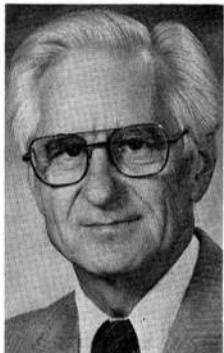
William F. Buker
Plant and Equipment
ORNL
34 years service



Hubert A. Parker
Analytical Chemistry
ORNL
35 years service



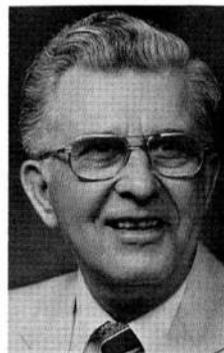
Kurgus C. Lannom
Analytical Chemistry
ORNL
28 years service



Aloysius A. Palko
Chemistry
ORNL
33 years service



Frank A. Hamley Jr.
Plant and Equipment
ORNL
23 years service



Charles E. Bolyard
General Machine Shops
Y-12
31 years service



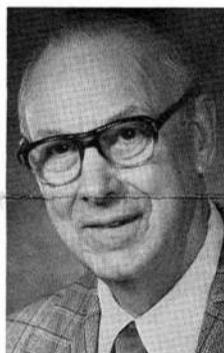
James H. Denton
Plant and Equipment
ORNL
28 years service



Richard A. Ticknor
Plant and Equipment
ORNL
35 years service



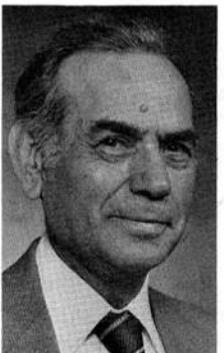
Eldred B. Hansard
Quality Assurance
ORNL
36 years service



James V. Harris
Finance and Materials
ORNL
30 years service



John G. Moore
Chemical Technology
ORNL
30 years service



Wiley B. Redmond
Alpha 5 West Shop
Y-12
31 years service



Herman G. James
Plant and Equipment
ORNL
23 years service



Benjamin B. Stanton Jr.
Mechanical Inspection
Y-12
38 years service



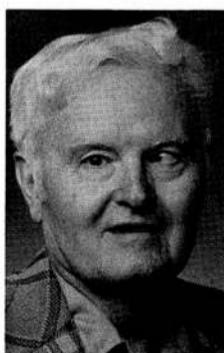
Arvil L. Scaggs
Electrical
Y-12
29 years service



William W. Walden
Plant and Equipment
ORNL
33 years service



Jo L. Long
Information
ORNL
35 years service



Robert S. Baker
Electrical
Y-12
29 years service



Robert E. Watkins
Fabrication Shop
Y-12
26 years service

Named department heads at Paducah

Pat D. Wooldridge and Dan Cunningham have been promoted at the Paducah Plant.

Wooldridge, an employee of 15 years, has been assigned to head the Analytical Laboratory Department in the Technical Services Division. She received a BS in mathematics and chemistry from Murray State University in 1960, an MS in chemistry in 1968 and a PhD in analytical chemistry from Memphis State University in 1976.

In 1979, Wooldridge was promoted to assistant head of the Microanalysis, Wet Chemistry and Analytical Development Department. She became the assistant department head for Analytical Services and Radiochemistry and Analytical Mass Spectrometry in 1981.

Wooldridge is a member of the American Chemical Society and was appointed to the Governor's Council for Medical Assistance in 1978. She is currently serving as a PGDP employee counselor, and is a member of the three-plant analytical committee, the Nuclear Division analytical committee and the PGDP Career Development Training Program. Wooldridge and her husband,



Wooldridge



Cunningham

Bob, reside on Pines Road with her daughter.

Cunningham has been assigned to head the Data Services Department in the Finance and Materials Division. He is a native of Christian County, Ky., and a graduate of Murray State University with a BS in mathematics.

In his new position, Cunningham is responsible for central data processing, commercial application programming and timekeeping services. He joined the plant in 1981. Cunningham and his wife, Hilda, live in Almo with their daughter.

News About People

Abraham named Ceramic Society fellow

Marvin M. Abraham, senior research staff member in ORNL's Solid State Division, has been elected a fellow of the American Ceramic Society. Fellowship status is granted in recognition of outstanding professional and research contributions.

Abraham's primary research interests have been in electron and nuclear magnetic resonance, especially dealing with rare earth and actinide elements, and the research and production of both high purity and doped refractory oxide crystals. In 1975, he was co-recipient of an "I-R 100" award, recognizing one of



Abraham

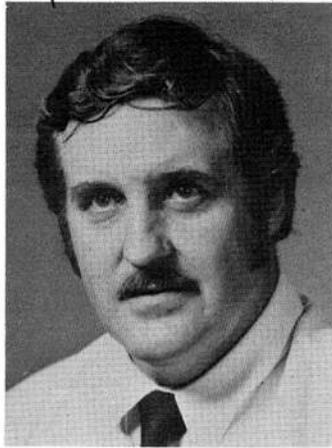
the year's 100 most important new technology advances, for his development with Yok Chen of large, totally transparent crystals of three alkaline earth oxides.

Named vice chairman of ANS group

M. Guven Yalcintas, research associate in ORNL's Health and Safety Research Division, has been elected vice chairman/chairman-elect of the Technical Group for Biology and Medicine of the American Nuclear Society. The technical group, established by the ANS Board of Directors two years ago, is concerned with the application and development of nuclear technology to the life sciences and the promotion of better understanding of the impact of such technology.



Yalcintas



Crime and prevention

by Larry R. Moore

(Editor's note: This column is part of a monthly series of articles on crime and crime countermeasures. The author, Larry R. Moore, is a security officer in the ORGDP Security and Plant Protection Division. A 20-year veteran of the Military Police Corps, Moore holds degrees in law enforcement and penology and criminal justice, and is currently at work on a PhD in safety. He is the author of several published articles on crime prevention and safety, and wrote a U.S. Army manual on physical security.)

In this series, we will discuss and sometimes analyze the various aspects of different types of personal and property crimes. For your interest and personal safety, some of the articles also will contain a question-and-answer section to test your knowledge and ideas about crime. The series also will cover crime statistics; crime programs; the property crimes of burglary, larceny and motor vehicle theft; and the personal crimes of forcible rape, aggravated assault, robbery and murder. Methods of ensuring your security and protection while in public areas, and during travel and visits to special events like sports activities and the World's Fair also will be covered.

Important studies on crime

The President's Commission on Law Enforcement and Administration of Justice conducted a detailed assessment of crime in America. It concluded that crime is not just a tough teenager snatching a woman's purse, but also a professional thief stealing cars "on order." Crime also can be a polite young man who suddenly murders his family, or it can be represented by well-heeled loan sharks, etc. The study emphasized that crime cannot and will not be controlled without the interest and participation of leaders of schools, businesses, social agencies, private groups and individual citizens. The nation as a whole experiences far more crime than is ever reported.

Burglaries occur about three times more often than they are reported, aggravated assaults and larcenies occur twice as often as they are reported and 50 percent more robberies occur than are reported. Crime has helped erode the quality of life of many Americans.

The National Advisory Commission on Criminal Justice Standards and Goals, in a lengthy study on crime in America, concluded that the greatest potential for reducing crime lies in institutional and individual activities directed at preventing crime. Thus, educating the public on crime and its countermeasures will

have tremendous impacts on reducing personal and property crimes.

1979 crime statistics

According to the FBI's Annual Uniform Crime Report for 1979, there were over 12 million offenses, constituting 5,522 crimes per 100,000 people. This represented a nine-percent volume increase from 1978, while the population in the U.S. increased by only one percent. The study showed that a crime occurred every 3 seconds, a personal crime every 27 seconds and a property crime every 3 seconds. Specifically identified by individual offenses, the crime volume reflects the following:

- A murder every 24 seconds;
 - A forcible rape every 7 seconds;
 - A robbery every 68 seconds;
 - An aggravated assault every 51 seconds;
 - A burglary every 10 seconds;
 - A larceny-theft every 5 seconds;
- and
- A motor vehicle theft every 29 seconds.

1980 statistics

The national crime rate, which relates the crime volume to population, increased by 7 percent in 1980 over the 1979 rates. The index of offenses reflected 5,900 offenses for every 100,000 persons in the U.S., with a sharp increase of crime in rural counties. The volume-of-crime index for 1980 showed that a crime occurred every 2 seconds, with one personal crime every 24 seconds and one property crime every 3 seconds.

When the 1980 crimes, extracted from the FBI crime clock, are individually identified, they reflect the following increases over 1979:

- A murder every 23 seconds;
 - A forcible rape every 6 seconds;
 - A robbery every 58 seconds;
 - An aggravated assault every 48 seconds;
 - A burglary every 8 seconds;
 - A larceny-theft every 4 seconds;
- and
- A motor vehicle theft every 28 seconds.

The FBI's 1981 statistics will be made available this fall.

QA awards presented

K/PH 82-1088



ORGDP WINNERS — ORGDP Manager William F. Thomas, center, presented prizes to James P. Mashburn, Separation Systems Division, and Roy L. Hill, Operations Division, for correctly deciphering the QA Week cryptograph.



LUCKY Y-12ERS — Herman A. Fischer, Maintenance Division; and Nancy M. Jones, Health Safety and Environmental Affairs Division; are presented their QA prizes by Gordon G. Fee, Y-12 Plant manager.



QA CONTEST WINNERS — ORNL winners of the cryptograph contest sponsored during Quality Assurance Week are shown with Ken Sommerfeld, ORNL Executive Director (standing). They are Ron L. Klueh, Metals and Ceramics Division; and George C. Battle, Information Division.

Nuclear links happenings...

ORGDP Golf...

Bob Neir seized the ORGDP tournament at Southwest Point...with a five-over-par tally.

Division I was taken by J. Sherrod, closely followed by H. Creswell, C. Richeson, E. Strunk, J. Winters, F. Tiller, J. Compton, R. Lynn and D. Whitson.

Division II went to S. Watson...followed by C. Reeves, D. Thacker, S. Rice, B. Owens, S. Hinton, D. Watkins, C. Hinegar and J. Winters.

D. Nichols took honors in Division III, followed by H. Aqurrie, J. Chaing, M. Friend, D. Kerley, B. Fowlkes, M. Farmer, P. Brandon and V. Houston.

Y-12 Golf...

L. K. White parred the course at Dead Horse Lake to lead Y-12 duffers all the way.

Division I was taken by D. Rowan, followed by C. Williams, R. Boyd, C. Haun, I. Jeter, D. Lincoln, G. Cantrell, J. Barnes and F. Clayton.

P. Parker took honors in Division II, followed by T. Bowler, W. Boles, V. Johnson, B. Burris, R. Vaughn, C. Whitson, L. Loveless and G. Baldwin.

Division III was grabbed by E. Smith, followed by B. Sahr, L. Shular, J. Royster, B. Mink, G. Norton, C. Neimeir, D. Johnson, H. Poly and G. Morris.

ORNL Golf...

W. Miller and A. Wright tied for scratch honors at ORNL's May golf battle, waged at Wallace Hills. Their 72-par score was low for the day.

Winners in Division I include W. Paul and C. Saffell. Down the line still in the winning circle, however, were P. Pair, C. Hunley, W. Burch, L. Gipson, C. Ray, J. Bridges and E. Bordes.

In Division II R. Roche led the pack, followed by B. George, R. Kress, R. Tucker Jr., J. Wiggins, J. Scarbrough, F. Schmollinger, C. Allen and M. Davenport in that order.

Division III was taken by R. Longgrove, followed by R. Stone, C. Wallace, J. Woods, M. Kelley, G. Courville, J. Setaro, J. Scott, B. Johnson and J. West.

Attention women golfers...

A women's golf clinic will be held at the Oak Ridge Driving Range June 21 and 22. This is for beginners only and is sponsored by the Recreation Department.

Additional information may be obtained by calling extension 4-1598.



URCA RUNNERS-UP — The "Clintonians" finished second in this year's UCRA roll-off. Team members are, from left, C. E. Jones, Edna Jones, Lela Delmonte and Joe Delmonte.



WINNING TEAM — Winners of the recent UCRA bowling league roll-off, the "Go-Getters," are, from left, Ruby Ratjen, M. J. Gibson, Polly Moore and George Bullock.

Hi Power Rifle...

Roger Wiegand, Y-12, won the third match of the High Power Rifle League with a 742 out of a possible 800. Don Kiplinger, ORNL, placed second with 731 and Hugo Bertini, ORNL, came in third with a 696. Other scores were L. Weston, ORNL, 690; R. Crawford, ORNL, 686; H. Hoy, ORNL, 669; H. Fell, Y-12, 664; R. Hatmaker, TIC, 617; S. Mobley, ORNL, 616; and M. Baker, ORNL, 612.

Investment seminars

The ORNL Credit Union is planning special seminars for employees taking voluntary reductions in force. Plans for investing termination pay, with tax benefits, will be discussed.

Persons wishing to attend the seminars are asked to call David Burress or Jean Eiler, extension 4-8364. Details will be worked out with each individual.

Bowling...

Monday Mixed...

The Go-Getters out-gunned the Pacesetters in the rolloff for the championship in the Carbide Monday Mixed League.

Churchill Moore carried the highest average for the men, 176; while Cheryl Womack ended the season with a 169 to lead the women.

The Davenports were the most improved bowlers...Mike led the men; Pat the women.

Mike Emery's 649 scored a 649 scratch series for season highs. Womack's 627 led the women. In singles it was Moore with 252; Jewell Mathews with 255.

In handicap highs it was Joe Carr, 701 series; Mary Johnson, 698. In singles it was Wayne Bell, 282; and Mary Johnson, 265.

Save Energy / Share The Ride

ORNL

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDERS NEEDED from Sutherland Avenue and Papermill Drive area to ORNL, 8:15-4:45. D. P. Atkins, plant phone 4-5463; home phone 584-3766.

CAR POOL MEMBER WANTED from Knoxville, Middlebrook Pike/Robinson Road/Piney Grove Church Road (Landmark, Stonebrook and Canby Hills subdivisions), to East Portal, 8:15-4:45. J. W. Nave, 4-4485; or J. W. Simms, 4-5926.

CAR POOL MEMBER WANTED from Sutherland Avenue and Papermill Drive area to ORNL, 8-4:30. S. L. Wyatt, plant phone 4-4165; home phone 584-4839.

ORGDP

CAR POOL MEMBER NEEDED from Inskip-Norwood area to Portals 5 and 6 (other Portals considered); 8-4:30. Jim McManus, plant phone 6-2466; home phone 687-8460.

WANTED TO FORM CAR POOL OR RIDE from Eatons Cross Roads area, Portals 2, 3 and K-1007 Building, 7:45-4:15. Parker Ragain; plant phone 6-3892; home phone 986-2180.

Y-12

CAR POOL MEMBERS from Powell, Broadacres, Sharp Road sections, to North or Central Portal, 8-4:30. Zela Buchanan, plant phone 4-0988; or Jymme Armstrong, 4-0488.

RIDE from Cumberland Estates area, Knoxville, to North Portal, 8-4:30. C. E. Stradlin, plant phone 4-3408; home phone Knoxville 584-7114.

VAN POOL RIDERS from Fountain City, Inskip, Norwood, Powell Shopping Center areas, to any portal, 8-4:30. Bill Moyers, plant phone 4-3195; home phone Knoxville 689-4087.

RIDE from Lakefront Home Park, Clinton, to Central Portal, 8-4:30. Linda, plant phone 4-3820.

Patents

James N. Abele, Phillip W. Watts and Douglas E. Bailes, all of ORGDP, for "Scoop-Deployment Apparatus for Gas Centrifuges."

Safety Scoreboard

Time worked without a lost-time accident through June 3:

Y-12 Plant.....	139 Days	5,198,000 Employee-Hours
ORGDP	111 Days	2,711,667 Employee-Hours
ORNL	754 Days	17,618,543 Employee-Hours
Paducah.....	674 Days	5,788,000 Employee-Hours



174 speedsters participate in Carbide's Road Runner Race

See how they ran...

Boston may have its marathon, but the Nuclear Division has its annual roadrunner to compensate for its lack of bean and cod.

Among the 174 participants, the over-30 crowd showed them a thing or two as Marshall Adams crossed the finish line at 21:15...a full minute under the time of Mike Hickey, who led the 29-year-olds and under.

Jane Edwards finished first for the women with a 28:22 time.

Rick Alderfer crossed the line second in the men's competition, with a time of 21:21.

Presented with trophies were Royce Sayer, 23:33; Love; Gus Aramayo, 24:32; Alderfer, Adams and Jeff Christian, 22:42; Robyn Schultz, 32:48; Nancy Owens (who jogs rain or shine on Blair Road every morning), 31:50; Edwards; Jan Coe, 39:31; Sandra Davis, 29:46; and Sue Tiegs, 30:45.

Wendy Williams, 29:40; and Peggy Kitchings, 34:15; also took awards.

Everyone finishing the course took home a tee shirt to mark the event.

The popular annual race, now in its infancy, promises to become a tradition in the park.



Royce Sayer
Robert Love
Gus Aramayo



Rick Alderfer
Marshall Adams
Jeff Christian

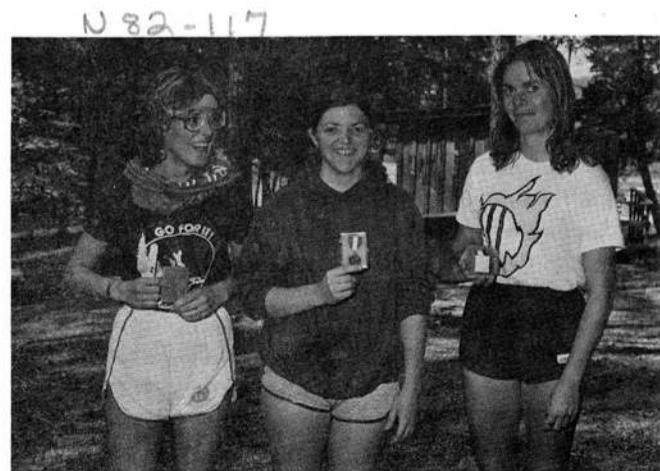


Peggy Kitchings

Wendy Williams



Robyn Schultz
Nancy Owens
Jane Edwards



Jan Coe
Sandra Davis
Sue Tiegs



UCRA TRAVELERS — These were among the participants in a recent UCRA trip to Michigan and Canada. They are shown at the Grand Hotel, Mackinac Island, Mich.

Retirees share news of letters, travels

We recently received a couple of letters to share with you. George Flack, retiree from Central Employment, wrote from Daytona Beach that he and his wife, Doris, plan to attend the World's Fair in September and hope to include our September 24 reunion in the trip. He said that they miss Oak Ridge and their many friends, and that they think the Retirees' Association is great.

Another letter from Maggie Parish of Orlando said that she and Earl, an ORNL retiree, love retirement and keep very busy. She told of their involvement with volunteer work, and said she would love to help with our "Volunteer Corps" for the World's Fair if she were here. She closed by asking us to say "hello" to all their retiree friends, and asked them to stop by when in Orlando.

Volunteer Corps

Speaking of our "Volunteer Corps" and World's Fair visitors, a surprising number of visitors at the ORGDP Overlook have said that they came to show their families the place where they worked during the early years of construction. Many had worked for J. A. Jones or subcontractors, and had left the Oak Ridge area while the plants were still enclosed by perimeter security fences. One visitor said that he had lived in a hutment near the present site of the overlook, adding that "the plant looks really good now."

Travel news: sixteen members of

the same family are making the Thanksgiving trip to Las Vegas with us. Burley P. Duncan, ORGDP retiree, has rounded up his brothers, sons, daughters and in-laws from Oliver Springs to make up the total!

Bridge marathon

More on the bridge "marathon" — bridge will be played the second and fourth Thursdays of each month from June through September at the Oak Ridge Senior Center from 1 to 4 p.m. Prizes will be awarded to the man and the woman with the highest and second-highest average scores for the contest period. To be eligible, players must have participated in at least five of the eight contest days. The goal of the "marathon" is for everyone to have fun, and to play as often as possible. Players do not have to be Carbide retirees, but they must be at least 55 years of age. Partners will be determined by a drawing held at 1 p.m. each playing day. UCRA Bridge Committee members are Charlie Kienberger, chairman; Alice Asmanes; Charles Asmanes; Earl Crow; Eula Estes; Mary Groppe; Aylene Simons; and Paul Brader.

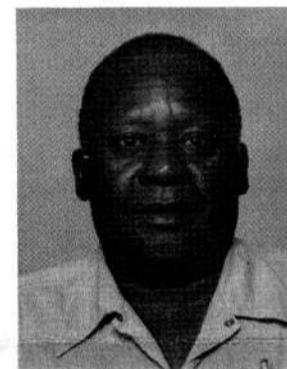
Thanks to organizers of the Engineering Division picnic for offering us the loan of equipment and other materials used at their outing, which was held the day before our own reunion/picnic. A special thanks to our contact, Luther True, and others for their thoughtfulness. It certainly saved us a lot of preparation time!

Corporate world...

UNION CARBIDE has announced that Moses Lake, Wash., has been selected as the site for its 1,200 metric ton per year polycrystalline silicon plant.

The \$85 million plant is scheduled to begin production in 1984, and will be operated by the Electronics Division. The plant will produce high-quality silicon primarily for the semiconductor industry and it will be among the largest facilities of its kind in the world. The advanced technologies to be employed are expected to make it the most modern plant of its kind in terms of raw materials utilization, energy efficiency, product quality and environmental protection.

Union Carbide's silane technology was further developed under U.S. Department of Energy/Jet Propulsion Laboratories contracts for producing photovoltaic silicon. This process for making silane is being utilized by Carbide at its pilot plant in Washougal, Wash.



Mr. Tabor

Alonzo Tabor dies in Sweetwater

Alonzo Tabor, a laborer in the ORNL Plant and Equipment Division, died May 19 at Sweetwater Hospital.

Mr. Tabor, a 36-year ORNL employee, lived at Route 3, Madisonville.

Survivors include his daughter, Alfreda Tyson, of Athens. Services were conducted at Bierley-Hale Funeral Home Chapel in Madisonville.



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