

Nuclear Division News



OUTSTANDING EMPLOYER — Nuclear Division President Roger F. Hibbs (center) accepts the "Outstanding Employer of the Year" award from Douglas E. Fain, ORGDP employee and immediate past president of the Association for Retarded Citizens of Tennessee. Looking on are, from left, Joseph Sawicki of ORGDP, representing the Association for Retarded Citizens of Anderson County; Joanne S. Gailar, Nuclear Division Equal Opportunity coordinator; and Jane L. Patterson, Nuclear Division coordinator for employment of the handicapped.

Nuclear Division named state 'employer of year'

The Nuclear Division has been named Outstanding Employer of the Year for the State of Tennessee by the Association for Retarded Citizens of Tennessee.

The award was presented by Douglas E. Fain, immediate past president of the Association who commended the Nuclear Division for "its outstanding record of employing mentally retarded persons and recognizing their true value. A job provides dignity, purpose and a meaningful life to a retarded person, and we are proud to recognize the Nuclear Division for giving these people a chance," Fain said.

Nuclear Division President Roger F. Hibbs accepted the award and replied, "In all the cases of which I'm aware, retarded persons have made excellent employees, and it's gratifying to see the contributions that they can make. We're very pleased to have won this award and to be able to give these people a chance to contribute. We also hope, of course, to hire more mentally retarded persons as the years go by."

The award is presented annually by the 4000-member volunteer association to a Tennessee business or industry that has taken a lead role in hiring the mentally retarded. Previous winners include Copper Cellar Restaurants, Knoxville; Hyatt Regency Hotel, Nashville; Morrison's

Cafeterias, Nashville; and Rockford Textile Mills, McMinnville. UCC-ND was nominated this year by the Association for Retarded Citizens of Anderson County. Five mentally retarded persons are currently employed on a permanent basis by the Nuclear Division (two at ORNL, two at Y-12 and one at ORGDP), and another four are working as summer employees at ORNL. In addition, the Division's Purchasing Department has bought more than \$100,000 worth of services from the Daniel Arthur Rehabilitation Center and Community Services for Exceptional Citizens, Inc., during the past three years.

Services provided by workers at these two Oak Ridge facilities have included sorting microfiche and index cards, sorting and stamping bulk mailings, building wooden pallets for storing machinery and assembling identification badges for Division employees.

"The effort to hire the mentally retarded has been a joint one," explained Joanne S. Gailar, UCC-ND Equal Opportunity coordinator. "Recognition of the Nuclear Division as '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 mentally retarded employees at each of our facilities."

Question Box

What about gambling pools?

QUESTION: What can be done to prevent an employee from running illegal gambling "pools"? This employee not only used Company time to solicit for gamblers, but also runs unlimited copies of the gambling "boards" for distribution on Company copying machines. I would like to see this stopped.

ANSWER: It is a clear violation of Company rules to engage in any form of gambling while on Company premises. It is also a violation of Company rules to use Company equipment, such as copying machines, for an individual's personal benefit. The employee handbook, *You at Union Carbide*, identifies both activities as acts of misconduct which could result in disciplinary action, including termination. This type of misconduct will not be tolerated by the Company and should be reported to your supervisor or the Security Department at your installation.

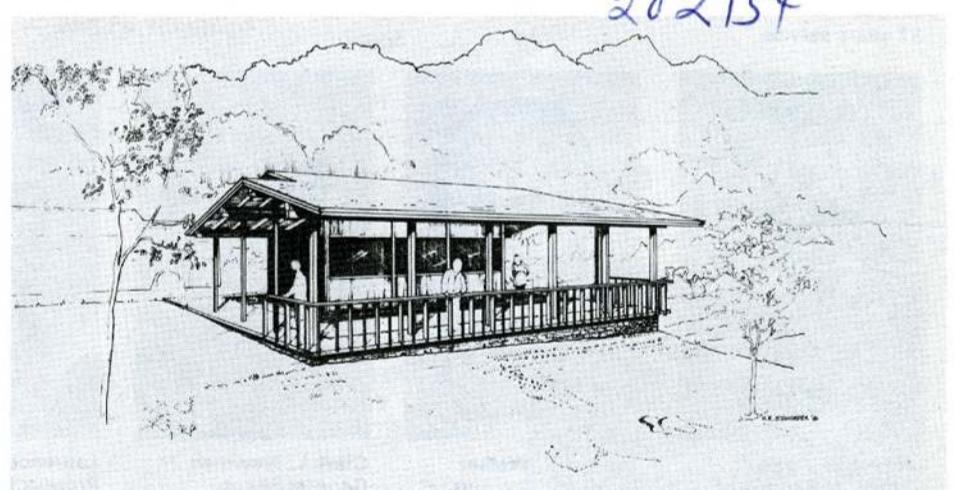
Insurance payments

QUESTION: My husband had surgery five months ago and Blue

Cross/Blue Shield has not paid for the surgery yet. It has been turned over to a collection agency by the hospital. Benefit Plans at Y-12 says not to worry, that it will be paid. I am afraid our credit will be ruined. Can something be done?

ANSWER: When contacted regarding problems with a claim, a Benefit Plans Office works with Blue Cross until all eligible benefits are paid. In most cases where payment has been delayed for this long a period, an out-of-state hospital has been involved. If the delay has been so long that a collection agency has been brought in, Blue Cross notifies the hospital/doctor that the account is being processed and requests the hospital/doctor to withdraw the account from the collection agency's delinquent list. Blue Cross confirms this by letter to the hospital/doctor and the insured employee's credit should not be damaged.

In the future, we will request that Blue Cross send a copy of this type letter to the insured, also, to assure him/her that the problem is being corrected.



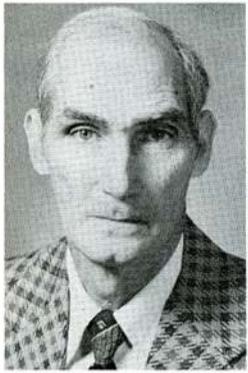
In this issue . . .

The visitor overlook at ORGDP (above) is getting a facelift! See page 3 for a story on the improvements now being made at the facility.

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Paducah Housekeeping Campaign	page 8

RECENT RETIREMENTS



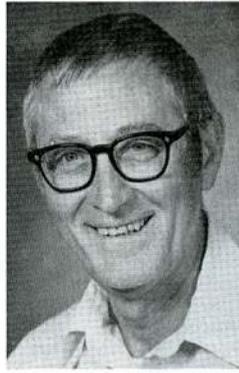
Willie M. Loveday
Barrier
ORGDP
36 years service



Willie G. Smith
Maintenance
ORGDP
37 years service



Betty Eichelberger
Information
ORNL
25 years service



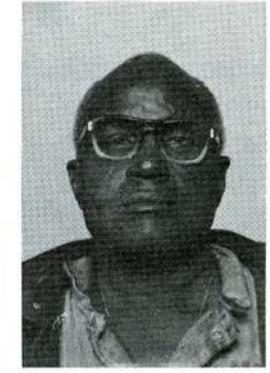
Tom B. Fowler
Engineering Physics
ORNL
27 years service



William K. Johnson
Maintenance
ORGDP
30 years service



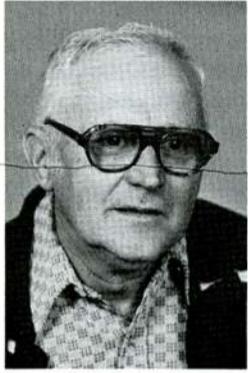
Robert F. Hibben
General Accounting
ORGDP
35 years service



J. R. Harris
Utilities
Y-12
30 years service

4320-81

4321-81



Junior B. Adcock
Maintenance
ORGDP
15 years service



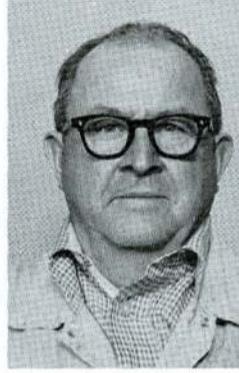
Marshall B. McCloud
Maintenance
ORGDP
35 years service



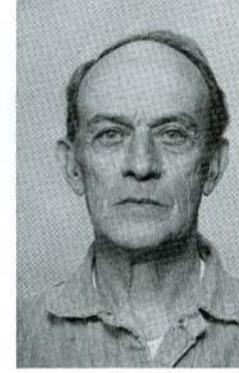
Thomas H. Bettis
Receiving
Y-12
26 years service



Geneva A. Tedder
Finance, Materials
and Services
ORGDP
34 years service



Walter A. Dossett
Research Services
Y-12
26 years service



Omer J. Rhea
General Shops
Y-12
30 years service



Mearl Macres
Industrial Safety and
Applied Health Physics
ORNL
28 years service

4324-81



John Hubert Reed
Security & Plant
Protection
ORGDP
37 years service



Earl Lilard Lane
Maintenance
ORGDP
17 years service



Roger Gregg Mansfield
Information
ORNL
37 years service



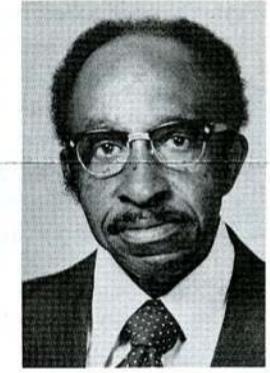
James E. Wise
Maintenance
ORGDP
36 years service



Raymond E. Copeland
Operations
ORGDP
36 years service

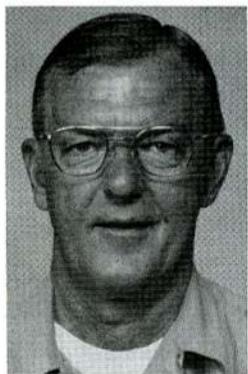


Robert C. Hammonds
Maintenance
ORGDP
35 years service

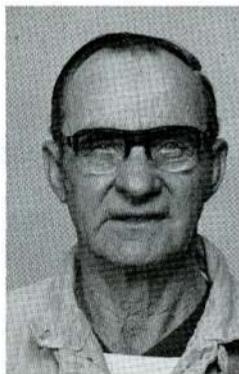


Fletcher Madison
Maintenance
ORGDP
30 years service

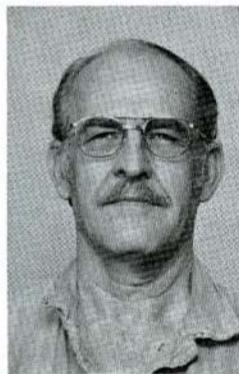
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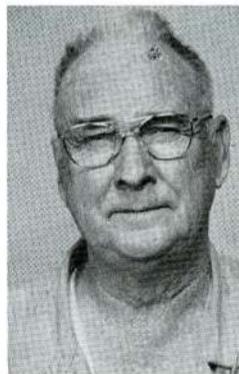
John S. Addison
Industrial Safety and
Applied Health Physics
ORNL
31 years service



Everett C. Walker
Buildings, Grounds
and Maintenance
Y-12
35 years service



Clark L. Newman Jr.
General Shops
Y-12
30 years service



Laurence E. Brown
Process Maintenance
Y-12
28 years service



Marvin W. Mills
General Accounting
ORGDP
37 years service



Clyde M. Cummings
Maintenance
ORGDP
36 years service



Margaret Nell Durham
Information
ORNL
33 years

Patents granted

Hubert L. Wigginton, John G. Baker, David E. Beck and Cressie E. Holcombe, all of Y-12, for "Method for Cleaning Bomb-Reduced Uranium Debris."

M. Alfred Akerman and Douglas N.

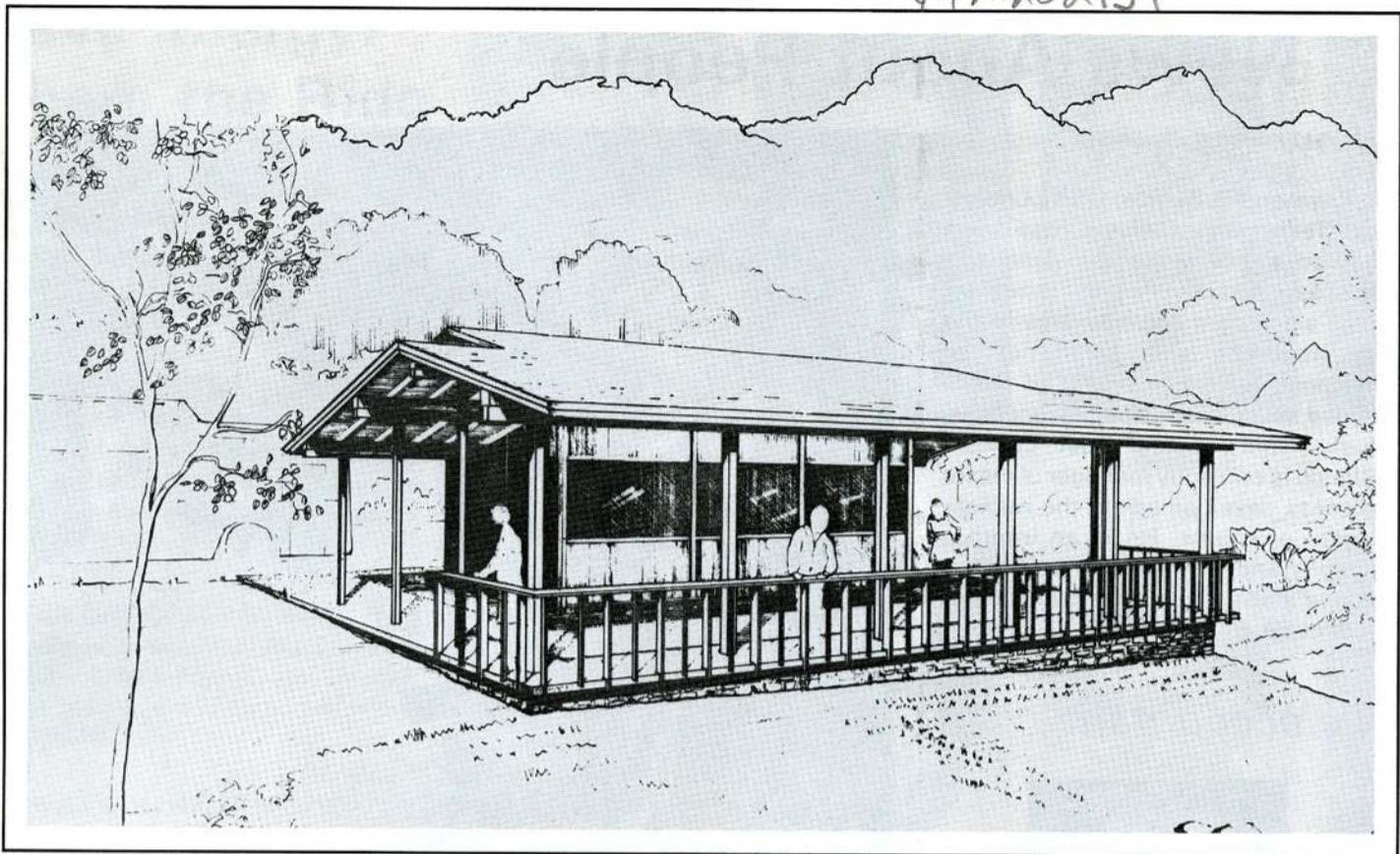
Mashburn, ORGDP, for "Laser Pulse Detector."

Kenneth R. Carr, ORNL, for "Side-Welded Fast Response Sheathed Thermocouple."

Safety Scoreboard

Time worked without a lost-time accident through July 23:

Y-12 Plant	304 Days	10,350,000 Employee-Hours
ORGDP	42 Days	1,150,801 Employee-Hours
ORNL	438 Days	10,440,486 Employee-Hours
Paducah	359 Days	3,335,000 Employee-Hours



ORGDP visitor overlook to be remodeled

ORGDP's visitor overlook, located on State Route 58 across from the west end of the plant, has been closed to the public while it is being upgraded and remodeled. The overlook was closed July 16 and should be open again by mid-October.

Improvements to the overlook will allow it to accommodate more people and will alleviate maneuvering problems currently experienced by buses and other large vehicles. Improvements will include a 726-square-foot covered concrete deck with redwood railings, which will surround the existing building on three sides; ramped entranceways for the convenience of the handicapped; and 13,500 square feet of additional paved parking and traffic space.

The new paved area, which will extend behind and to the east of the overlook building, will include a lighted turnaround and special parking for buses and recreational vehicles. A sidewalk will extend from the eastern parking area along the front of the building to the door.

Construction subcontractor for the project is Skyline Construction Company of Kingston; plans and specifications were developed by the Nuclear Division's Engineering Division. The cost is estimated at about \$32,000.

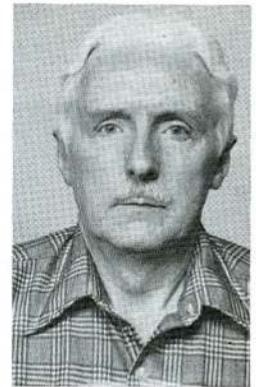
Built in 1962, the overlook was originally an open-air pavilion with an exhibit on its single wall explaining the plant's operation. In 1969 it

was enclosed with tinted, heat-absorbent windows, and air conditioning was installed.

Three years ago, the exhibits in the overlook were completely redesigned and updated in order to present the ORGDP story with easy-to-follow backlit graphics, synchronized with an eight-minute tape recording. The building is also stocked with informational pamphlets. Picnic tables are provided on the south side of the overlook building for visitor use.

When the overlook reopens in the fall, its regular visitor hours — 8:30 a.m. to 6:30 p.m., seven days a week — will be resumed.

Division Death



Mr. Holoway

Clayton F. Holoway, a research associate in the ORNL Health and Safety Research Division, died July 20 at the University of Tennessee Hospital, Knoxville.

A 17-year ORNL employee, Mr. Holoway lived at 929 Green Hills Road, Knoxville. He was a member of the West Knoxville Kiwanis Club; Church Street United Methodist Church; Cherokee Masonic Lodge No. 728, F&AM; and Kerbela Temple Shrine. Mr. Holoway was a 32nd Degree Scottish Rite Mason and a York Rite Mason of the Cyprus Commandry No. 23 Knights Templar.

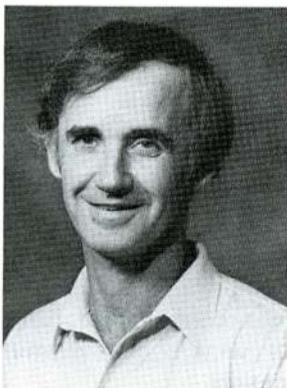
Survivors include his wife, Irene S., of Knoxville; son, Theodore R., of Tullahoma; father, Percie U., of Florida; and sister, Beverly Graham, of Massachusetts.

A Masonic memorial service was conducted July 23 at Rose Mortuary, Knoxville, and graveside services were held the following morning at Oak Ridge Memorial Park.

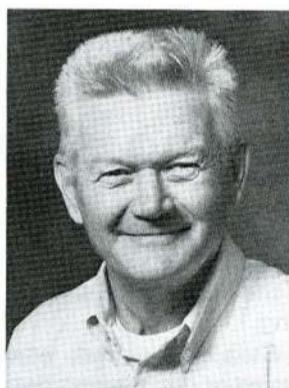
Patent granted

Gordon M. Lindner, John C. Rowe and John M. Kennerly, all of ORGDP, for "Flowmeter for Determining Average Rate of Flow of Liquid in a Conduit."

Y-12 names two machining supervisors



Mahoney



Rose

Kenneth W. Mahoney and Robert E. Rose have been named machining supervisors in Y-12's Fabrication Division.

Mahoney, a native of West Virginia, attended Jackson (Mich.) Community College and worked in various companies in West Virginia, Michigan, Texas and Tennessee before joining Union Carbide in

1979. He lives at Route 1, Lenoir City.

Rose was born in Roane County and joined Union Carbide in 1959. He worked with Avco Manufacturing, Hayes Aircraft, Ingalls Shipyards and Douglas Aircraft before coming to Y-12. He and his wife, the former Stella Calloway, live at 5140 West Fourth Avenue, Lenoir City. They have a son and daughter.

UNION CARBIDE

Nuclear Division News

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NUCLEAR DIVISION
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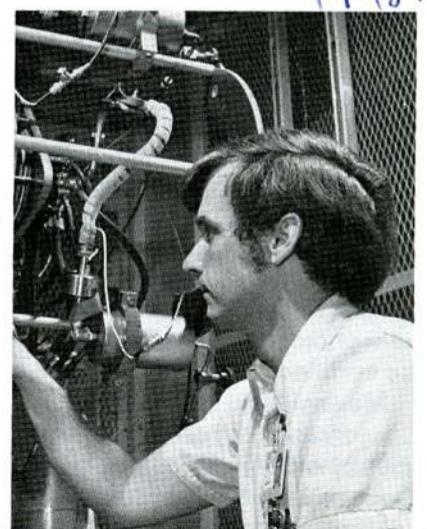
ORGDP
Ruby A. Miller, 574-8092

PADUCAH
Darlene M. Mazzone, Bell 208

INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS

Published every other week for employees such as:

194895



Walter A. Gardner, a researcher in the ORNL Fusion Energy Division.

News About People

ANS taps Blanco as fellow



Blanco

Raymond E. Blanco, ORNL Chemical Technology Division, has been named a Fellow of the American Nuclear Society. He was cited for "his significant contributions in the development and evaluation of methods for management of radioactive wastes and for reprocessing fuels from nuclear fuel cycles." Blanco is currently manager of waste process development in the nuclear waste programs. He is an internationally known expert in radioactive waste management and the nuclear fuel cycle.

Becomes licensed public accountant

Aileen B. McDaniel, records clerk in the Plant and Equipment Division at ORNL, recently became a licensed public accountant in Tennessee. To obtain the state license, an applicant must have two years of college with an accounting major and at least one year of approved experience. The applicant must also pass a two-day examination covering accounting practice, theory and auditing. McDaniel, who received an associate degree in accounting and business administration at Roane State Community College, is a member of the Tennessee Association of Public Accountants.



McDaniel

Named head of organization



Huffstetler

Joy K. Huffstetler, information center analyst in the Information Division at ORNL, has been elected president of the Southern Appalachian Chapter of the Special Libraries Association. Founded in 1909, the organization is one of the oldest professional library associations in the country. Huffstetler, who works in the Fossil Energy Information Center, Information Center Complex, is a member of the American Society for Information Science.

Marlar a certified photographer

Terry L. Marlar, a staff photographer in the ORNL Information Division, has been named a certified professional photographer by the Kentucky Professional Photographers Association and the National Professional Photographers of America, becoming the first industrial photographer in Tennessee to be so certified.

Marlar, who is assigned to the photography department at the Y-12 Plant, holds memberships in both the National and Southeastern Chapters of Professional Photographers of America and the Tennessee Professional Photographers Guild, and serves on the board of directors of the Smoky Mountain Professional Photographers Guild. He also has received state, regional and national



Marlar

honors in photographic print competition.

Marlar joined Carbide in 1972, after working as a machine operator at ORTEC. He became a member of the photography department staff in 1973. Marlar also is an instructor of photography at State Technical Institute at Knoxville.



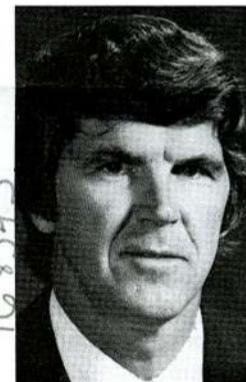
FINAL REFUND — Dean Brotherton, right, industrial hygienist in the Medical Department, receives the last of his refund for a master's degree in occupational health and safety. Gino Zanolli, MD, medical director at Y-12, congratulates Brotherton. The Education Assistance Program has proved very popular among employees seeking to further their education.

Dana College honors Arvin Quist

Arvin S. Quist, Operating Contractors Project Office, recently received the 1981 "Distinguished Alumnus Award" from Dana College (Blair, Neb.).

Quist serves as manager of Gas Centrifuge Enrichment Program Environmental, Safety and Safeguards Affairs. He joined the Nuclear Division in ORNL's Chemistry Division in 1968. He worked in the Energy Division for three years, and served as manager for regulatory affairs in the Office of Waste Isolation from 1976 to 1978.

Quist received his BS degree in chemistry from Dana College in 1954; and MS and PhD degrees in



Quist

chemistry from the University of Nebraska in 1957 and 1959, respectively. In 1975, he received his law degree from the University of Tennessee.

Staying alert while driving

The following travel tips from the National Safety Council can help prevent the "drowsies" during vacation driving:

1. Stop every hour, whether you feel tired or not. Always get out of the car for at least a minute or two. If possible, drink coffee, tea or cola. Never eat a big meal just before or during a long trip. Instead, stop frequently and eat small amounts.

2. Don't drive on highways at night if you can avoid it. The danger of hypnotism is much greater after dark. If you must drive at night, keep the dash lights as dim as possible. The glare is hypnotic.

3. Don't keep your eyes focused on a point straight ahead. Look to the

right and left, and don't follow the same car for too long. If you find your eyes beginning to glaze because of the monotonous road, run the windshield wipers a few minutes for distraction.

4. Always try to get a good night's sleep before starting a trip. Wear loose clothes. Open your jacket and loosen your collar.

5. Chew gum or eat a candy bar. Keep plenty of fresh air coming into the car. Don't smoke too much — it may fatigue your eyes.

6. If these suggestions don't work, pull off the road and take a nap. If you're worried about sleeping too long, park near a filling station and ask the attendant to wake you up.

Save Energy/ Share the Ride

Y-12

JOIN CAR POOL from Rockwood to Biology Portal, 7:30-4:00. Donna Gray, plant phone 6-4916; home phone 354-9359.

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.

JOIN OR FORM CAR POOL from Woodland area, Oak Ridge, to East Portal, 8:15-4:45. Bruce Moyer, plant phone 4-6719; home phone 482-9648.

ORGDP

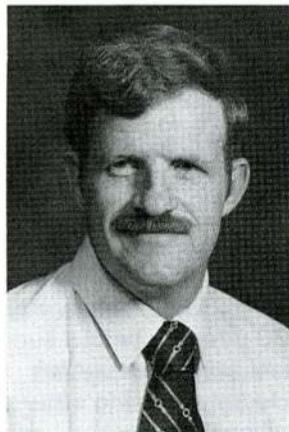
CARPOOL OR RIDE wanted from Salem Road (West End), Oak Ridge, to Portal 2, 8-4:30 shift. Call Stephanie, work phone 4-8180; home phone 482-2628.

VAN POOL RIDERS wanted from Hendrick Creek to East End, Woodland and Robertsville Road, Oak Ridge to Portals 2 and 4, 7:45-4:15 shift. Call Chuck Stevenson 4-9974.

Energy Facts

According to DOE statistics, there were more than 74 million occupied residential units in the U.S. in 1977. As a whole, they consumed some 23 percent of the nation's energy.

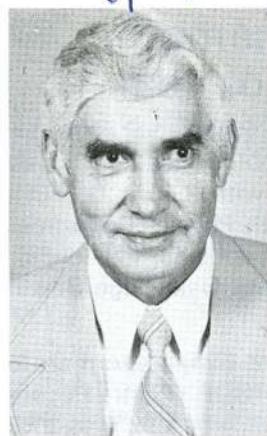
Keck promoted at Y-12 plant



Keck

Roger D. Keck has been promoted to production scheduler analyst in the Product Scheduling Department at Y-12. A native of Kodak, Tenn., he is currently attending the University of Tennessee. He joined Union Carbide in 1971.

An active member of the Air National Guard, Keck lives at 4904 Fleetwood Drive, Knoxville, with his wife, the former Darlene Kidd.



Amburgey



Crawford



Hollenbeck



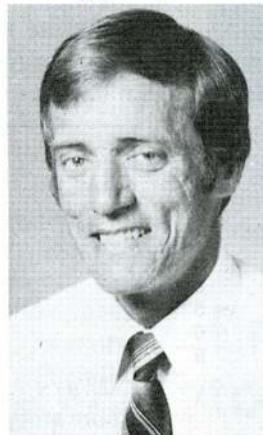
Lamb



Ziegler



Acuff



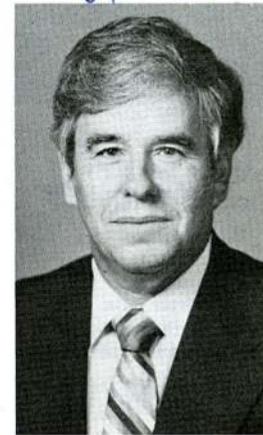
Hart



Holmes



Peer



Tedder

Ten assigned new positions at ORGDP

Ten employees have been assigned to new positions in the Separation Systems Division (SSD) at ORGDP. John W. Amburgey, Jimmy K. Crawford, Paul E. Hollenbeck, Charles G. Lamb and Richard E. Ziegler have been named test directors. Eddie J. Acuff, Lendon M. Hart, William Holmes Jr., John H. Peer and Ted M. Tedder are assistant test directors.

The Separation Systems Division, managed by Ernie Evans, has more than 600 employees. It is responsible for research and development of gas centrifuge technology, as well as testing of equipment for the Gas Centrifuge Enrichment Plant currently under construction at Portsmouth, Ohio.

Amburgey, test director for the Centrifuge Plant Demonstration Facility, is a native of Thorton, Ky. A registered professional engineer, he received a BS degree in chemistry from Eastern Kentucky University and has done graduate work at the University of Tennessee.

Crawford is test director for the Production Centrifuge (P1C) Reliability Program. A native of Nashville, he received his BS degree in mechanical engineering from Georgia Tech and an MS in administrative science from the University of Alabama. He is also a professional registered engineer.

Crawford joined SSD in 1977. He was formerly employed by Chrysler Corporation's Space Division, the Planning Research Corporation and Northrop Services.

Paul Hollenbeck is Centrifuge Manufacturers (CM) Machine Verification Program test director. He was born in Pittsburgh, Pa., where he graduated from Robert Morris College.

Hollenbeck served in the U.S. Army and was employed for 22 years by Westinghouse Electric Corporation before joining ORGDP in 1978. He previously served as quality assurance manager.

Lamb, a native of Chattahoochee, Fla., serves as test director for the CM Balance Check Program. He received his bachelor's degree in aeronautical engineering from the Indiana Institute of Technology at Fort Wayne, and served in the U.S. Army for two years.

Prior to joining the Nuclear Division in 1975, Lamb worked for several aeronautical companies, including Pratt & Whitney Aircraft and Douglas Aircraft. While employed by the latter firm, he was involved in the Saturn V Apollo program.

Dick Ziegler is test director for the CM First Article Evaluation Program. A native of Hortonville, Wis., he received a BS degree in mechanical engineering from the University of Wisconsin and has done graduate study at the University of Tennessee. He is a registered professional engineer. He joined Separation Systems in 1969 and has worked in various parts of the centrifuge program.

The assistants will provide support

to the test directors in carrying out the day-to-day work assignments.

Eddie Acuff is a native of Knoxville. He served in the U.S. Navy and attended the Naval Electronics School. He completed the Training and Technology program and joined the Nuclear Division at the Y-12 Plant in 1969.

A native of Oak Ridge, Hart attended David Lipscomb College and the University of Tennessee. He was employed by Crouch and Adams Engineers and the Industrial Construction Company before joining the Nuclear Division at Y-12 in 1970. Hart is a member of the Institute for Certification Engineering Technicians.

Bill Holmes was born in Memphis. He attended Tennessee State University, where his major was electrical engineering. Prior to joining the Nuclear Division staff in 1969, he was an aircraft assembly inspector with Aveo Industries in Nashville.

A native of Newport, Ind., John Peer studied electrical engineering at the University of Tennessee. He served in the U.S. Army and worked with E.I. Dupont before joining the SSD staff in 1957.

Ted Tedder, who has lived in Harri-man all his life, attended Tennessee Technological University. In 1970, he joined the Dispatching group at the Y-12 Plant and later transferred to ORGDP as a technician.

The test director organization, coordinated by Edwin F. Babelay, reports to F. M. (Fran) Tench, test and operations manager.

Mid-summer softball standings

The mid-summer Softball League standings find the Snakes, the Skinks, the Red Eye Gravy team and the Screwballs still undefeated in regular play.

League standings follow:

Atomic League - North Division

Name	Won	Lost
Snakes	10	0
B. T. Express	7	1
Bruins	7	1
Blue Demons	6	4
Thunderdogs	5	4
Critical Pits	4	5
Prime Time Players	4	6
Gashouse Gang	3	5
Hustlers	4	7
Millipore Fielders	4	7
Infra Red Sox	4	7

Atomic League - South Division

Name	Won	Lost
The Hooters	9	1
The Warriors	9	2
Scattered Bats	7	3
Ole Rough & Ready	6	3
Magnum Force '81	7	4
G-Shifters	5	4
Artie's Army	5	6
Rangers	4	6
Bengals	3	6
Short Circuits	3	7
Tasmanian Devils	2	5
Nomads	1	7
Preston Pirates	0	9

Carbon League - Central Division

Name	Won	Lost
Skinks	7	0
Tom's Turkeys	7	1
Master Batters	6	2
Crippled Turkeys	5	2
Ringers	6	3
Foul Play	4	4
Killer Bees	4	4
P.O.I.	4	5
Bombers	3	5
Knockers	3	6
Tapeworms	2	6
Altered States	2	8
Fed I	1	8

Carbon League - East Division

Name	Won	Lost
Fes-Kids	8	1
K-Traitors	8	1
Pirates	7	2
Bareskins	6	3
QA&I	5	4
His & Hers	5	4
Bear Creek Allstars	5	4
Waggin Tongue	5	4
Ball Bangers	2	6
Sluggers	2	7
Forty-Niners	2	7
Streakers	2	7
Wizards	1	8

Carbon League - West Division

Name	Won	Lost
Red Eye Gravy	7	0
Pits	8	1
Sharks	7	3
Bits & Pieces	6	3
Dazed & Confused	5	3
Ad-Libs	4	3
Tail-Gators	5	4
Odds & Ends	5	5
Canberras	4	5
Carbonated Gators	3	5
Whirlybirds	3	6
Seven + Three	0	9

Carbon League - Bush Division

Name	Won	Lost
Screwballs	9	0
Stonefingers	7	1
Trailer Kids	5	2
Cow-Patties	4	2
Jack's Jocks	4	3
The Loose Balls	5	4
Mug Huggers Ltd.	3	3
U.S.A.	3	3
Mert Dirt	3	3
"H" Bombs	4	5
Pro-Fusion	2	4
Gauss House Gang	1	6
Super-Subs	1	7
Three Up Three Down	0	8

Finley named bowler of year



Finley

Bowling could indeed be his bag. So it goes with Louie C. Finley, ORGDP Health Physics Department, as he was recently named bowler of the year by the Oak Ridge Bowling Association.

Finley's aunt, Elsie Halterman, formerly in ORGDP Plant Records, started him off when he was three. From there he joined the Oak Ridge Junior Bowling Association, where he bowled until he was 22. While in the Juniors he was the only bowler in the state to ever qualify for 10 consecutive junior state tournaments.

Finley is currently on the board of ORBA and is president of the K-25 Wednesday Men's League and the Monday Men's City League. He also served as the Oak Ridge Junior Bowling Association's senior coach at Tri-County Lanes.

Anniversaries

Y-12

35 YEARS

Mary R. Ferguson, Plant Laboratory.

30 YEARS

Clyde L. Moore, Engineering; Clark L. Newman Jr., General Shops; Carl F. Keylon, Buildings, Grounds and Maintenance Shops; Clarence R. Bolt, Research Services; Thomas C. Stephens, Materials Forming; Donald J. Schafer, A Wing, H 2 and F Area; Walter H. Sherrod Sr., Process Maintenance; Robert S. Hopper, Buildings, Grounds and Maintenance Shops; Bobby E. Lunsford, Fabrication Division Engineering; Virginia G. Scarbrough, Medical; John B. Shepard, Special Services; and Billy J. Littleton, Beta 2 Chemistry.

25 YEARS

Harold F. Wentworth, Gordon G. Fee, Fred M. Jones and Clara Mae Smith.

PADUCAH

35 YEARS

George T. Hull, Cascade Operations Division; and Lindsey E. Price, Technical Services.

ORNL

35 YEARS

Walter J. Stelzman, Metals and Ceramics; Howard T. Enix, Instrumentation and Controls; and Cecil E. Higgins, Analytical Chemistry.

30 YEARS

Edwin D. Gupton, Industrial Safety and Applied Health Physics; Lorenzo D. Odum Jr., Plant and Equipment; Guy F. Petersen, Metals and Ceramics; Dock A. Stewart, Operations; Raymond E. Druschel, Metals and Ceramics; Raymond D. Ellison, Energy; and Kyle F. Stooksbury, Chemical Technology.

25 YEARS

William H. Greene, Odra W. Burke, Richard A. Strehlow, Joseph E. Carr, Herbert M. Beckler, Raymond E. Keny and J. H. Evans.

20 YEARS

Charles J. Brown and Jerry Braunstein.

ORGDP

40 YEARS

C. F. Hale, Enrichment Technology.

35 YEARS

L. G. Acres, Technical Services; J. R. Brandon, Finance, Materials and Services; Richard E. Brockwell Jr., Separation Systems; Andrew G. Wilde, Operations.

30 YEARS

William M. Henley, Maintenance; Herman H. Lett, Maintenance; Frank S. Rempala, Maintenance; Clarence E. Robinson, Maintenance; Robert L. Smith, Maintenance; Ray N. Stewart, Finance, Materials and Services; James F. Warner, Operating Contractor's Project Office; James E. White, Maintenance.

25 YEARS

Whitney L. Cochran; Robert C. DeBinder; Joseph E. Eve; Joseph P. Hurst; Robert L. Stephenson; David H. Wallace.

20 YEARS

Peevis D. Brooks; Eileen A. Walbrecht.

Traffic tips ...

The following traffic safety reminders, from an ORNL safety bulletin, should help drivers cope during periods of inclement weather.

(1) **Turn on headlights** (low beam) between 30 minutes after sunset and 30 minutes before sunrise (Tennessee state law). Also, use your vehicle lights during other periods of poor visibility, such as rainfall and heavy fog.

(2) If you stop along the road at night, **do not** leave headlights on. They may blind or confuse other drivers. Use parking lights instead.

(3) **Don't over drive** your headlights. (Be able to stop within range of your vision.)

(4) **Watch out** for bicycles and pedestrians.

(5) **Slow down** to allow for reduced traction during rain, snow and ice.



HIGH ROLLERS — Members of the Mean Machine rolled their way to victory recently in the Paducah Plant's yearly bowling league by defeating the Scrubs in a roll-off for the league championship. The league, which uses the match point system, bowls from September through April. Team members include, seated from left, Mike Mazzone, Dennis Herricks, Steve Skaggs and Bill Halicks. Standing from left are Woody Woodruff; Gail Giltner, team captain; Joe Quinlan; and Sam Leone. Not present for the photo was Joe Leidecker.



Treating interstitial cystitis

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: Over the years I have found your articles to be helpful and informative, and, now, as a retiree, I need your advice concerning a urinary problem from which my wife suffers. During the past several years, she has been a victim of interstitial cystitis and, to date, has undergone three dilations with decreasing effectiveness. Any information that you can offer will be appreciated.

ANSWER: Interstitial cystitis is a disease of the bladder that is characterized by marked frequency of urination during both night and day. When the bladder fills, it becomes painful, and there often is pain after voiding. The patient frequently can pinpoint the exact site of the pain in the lower abdomen.

Common problem

This chronic disease is not rare. A 1975 epidemiology study conducted in Finland reported an incidence of new cases was 1.2 per 100,000. Women have the disease 10 times more frequently than men. It occasionally occurs in children. The disease probably is much more common than the Finnish study indicated, because only about 1 out of 10 cases causes severe symptoms.

Many patients who have mild frequency of urination problems undergo urine analyses that detect nothing. The symptoms are ascribed to "nervousness" or a "small bladder," and tranquilizers are prescribed. Some of these patients may actually suffer from mild interstitial cystitis. In time, the symptoms may subside, or, in a few cases, they may progress and become severe.

Cause is unknown

The cause of this bladder inflammation is unknown. It is not, however, due to infection, and some investigators believe it is caused by an autoimmune disease.

The diagnosis can be made only after an extremely careful and thorough urological evaluation. When the appearance of the bladder lining, as seen through the cystoscope, suggests interstitial cystitis, biopsy tissue must be removed from several locations. A skilled pathologist can then make the diagnosis from the

characteristic microscopic appearance of the tissue.

Treatment techniques

Dilation of the bladder under anesthesia gives only temporary relief. Medical treatment of severe cases is usually unsatisfactory. Benzydamine, which is a potent anti-inflammatory drug, helps control the pain but does nothing for the frequency of urination. Oxychlorosene instilled in the bladder helps some patients. A few have had some relief following an installation of dimethyl sulfoxide.

Only 10 to 15 percent of severe cases require radical surgery. In this procedure, most of the bladder is removed, and a portion of the colon that previously had been surgically isolated is made into a pouch to form a substitute bladder. This operation, however, should never be attempted unless all other efforts have failed.

Another possibility

Another procedure that has had some limited success is the local denervation of the bladder to relieve pain. It works only when the bladder capacity is adequate.

As Dr. Anthony Walsh, lecturer in urology at the Royal College of Surgeons in Dublin, wrote in Campbell's textbook of urology, "An extraordinary gallimaufry of pills, potions and procedures has been used to treat this disease." Medical treatment can help, and a few patients may require radical surgery. At this point, however, no treatment can really be considered satisfactory.



ANALYTICAL CHEMISTRY DIVISION DIRECTOR Wilbur D. Shults (right) accepts the division award from Alex Zucker, ORNL associate director for physical sciences, as Clyde C. Hopkins, ORNL executive director for support and services, looks on.

Environmental awards given to Analytical Chemistry Division

The Analytical Chemistry Division and 10 of its staff members recently were named recipients of the first Environmental Protection Awards at ORNL.

The awards were established by the ORNL environmental coordinator's office to recognize outstanding achievements in environmental protection by ORNL employees outside the environmental management department in the Industrial Safety and Applied Health Physics Division. Winners are selected on the basis of the program's technical capabilities, potential economic savings and creativity.

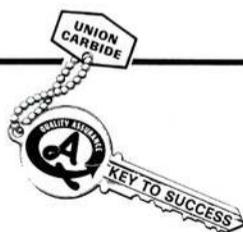
Analytical Chemistry Division Director Wilbur D. Shults accepted the division award, presented for "developments in analytical tech-

niques for determining analytical contaminants."

Individual honorees, all Analytical Chemistry staff members, included Joseph H. Stewart Jr., for "liaison and co-ordination of specific environmental analysis problems"; Harris W. Dunn, Robert L. Sherman and Stewart for "the development of a system for quantitative determinations of asbestos in construction materials"; Hershel G. Davis and Robert R. Rickard for "development of a procedure for the analysis of PCBs in oils"; James S. Eldridge, Tommy G. Scott and James R. Stokely Jr., for "developments in the detection of radioactivity in environmental samples"; and Bruce R. Clark and William F. Rogers for "the development of the ORNL oil characterization program."



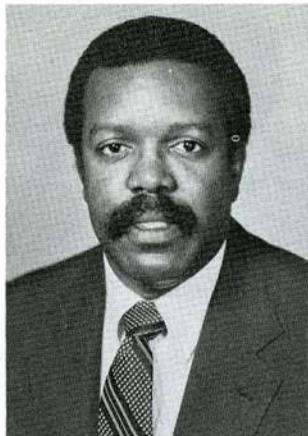
ORNL ENVIRONMENTAL PROTECTION AWARD WINNERS include, standing from left, Robert L. Sherman; James R. Stokely Jr.; Joseph H. Stewart Jr.; Wilbur D. Shults, with the Analytical Chemistry Division award; Tommy G. Scott; James S. Eldridge; and Hershel G. Davis. Seated from left are Harris W. Dunn and Robert R. Richard. Bruce R. Clark and William F. Rogers are not pictured.



"Quality assurance makes cents that add up to big bucks." (Submitted by Douglas W. Sparks, Y-12 Plant.)



Shumpert



Bennett

Shumpert, Bennett promoted in Nuclear Division Payroll

John M. Shumpert and Robert B. Bennett have been promoted in Nuclear Division Payroll. Shumpert was named section head of payroll and financial services, and Bennett will supervise payroll services.

Shumpert was born in Tupelo, Miss. A graduate of Draughan's Business College, Jackson, Miss., he attended Itawamba Junior College and the University of Tennessee. He served in the U.S. Navy and worked for Gulf Oil Company before joining the Nuclear Division in 1956.

Before transferring to Nuclear Division Payroll in 1966, Shumpert held several positions in ORGDP's Finance, Materials and Services Division. He presently serves as president of the K-25 Employees Federal Credit Union.

Shumpert and his wife, Marilyn, reside at 88 Pasadena Road, Oak Ridge. They have three grown children.

Bennett, a native of Knoxville, attended Knoxville College and the University of Tennessee. He was an account executive for radio station WJBE before joining the Nuclear Division Payroll staff in 1972.

Since 1980, Bennett has been data control supervisor. He currently serves as affirmative action and employment representative for the General Accounting Division.

Bennett is married to the former Joannetta Bradley. They live at 211 George Bounds Drive, Knoxville, with their two children.

CPS review courses set for year

The Oak Ridge Chapter of the Professional Secretaries (International) announces Certified Professional Secretary (CPS) Review Course for 1981-82 as follows:

Class	Date	Instructor
Office Procedures and Administration	Sept. 2-Oct. 7	N. G. Locke
Economics and Management	Oct. 1-Nov. 5	D. T. Dice
Behavioral Science in Business	Nov. 10-Dec. 15	Kathy D. Coleman
Accounting	Jan. 6-March 10	Carl L. Butcher Jr.
Business Law	Mar. 15-April 26	M. L. Townsend
Secretarial Skills and Decision-Making Class	Mar. 17-April 7	D. Barnes

All classes will be held at the Oak Ridge High School from 6 to 9 p.m. in Room A-216. (Secretarial Skills and Decision-Making Class will be held in Room A-213.) Early registration is encouraged, since classes are limited to 40.

The CPS classes are sponsored by the Oak Ridge Chapter, PSI, in an effort to promote the maintenance of professional standards, the quest for growth and development, and pride in performance.

In 1980-81, Tennessee was once again second in the nation in the number of secretaries attaining the Certified Professional Secretary rating, and the state is ranked third in the nation in the total number of secretaries, 829, certified to date.

For further information about the classes and requests for registration forms, contact Sheila Brooks, CPS, CPS service and education director of the Oak Ridge Chapter, PSI, 574-4370 or 482-1695.

Areas get 'good housekeeping' seal of approval at Paducah

The Paducah Plant's annual Housekeeping Campaign resulted in seven commendations this year. Employees throughout the plant nominated areas whose personnel were outstanding in their good housekeeping efforts. Selections were made in seven different categories by the committee and other selected individuals. Some of those receiving commendations are shown here.



Repair Shop in Maintenance Area
Bill Shelton, Kenneth Denson and Clay Zerby



Production Shop in Operations Area
Don Parker, Larry Buchanan, James Reece, Clay Zerby and James Meadors



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