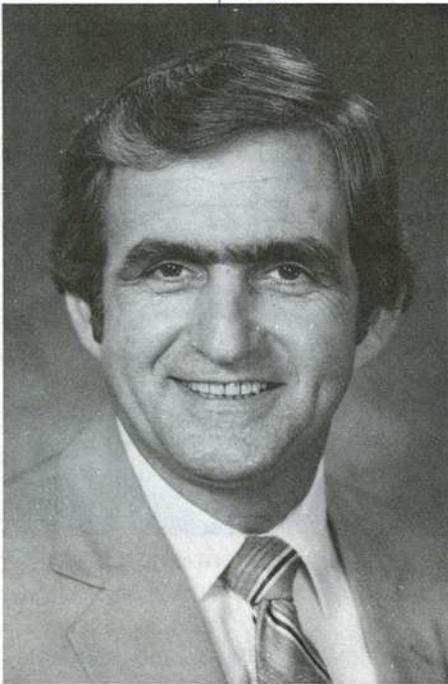
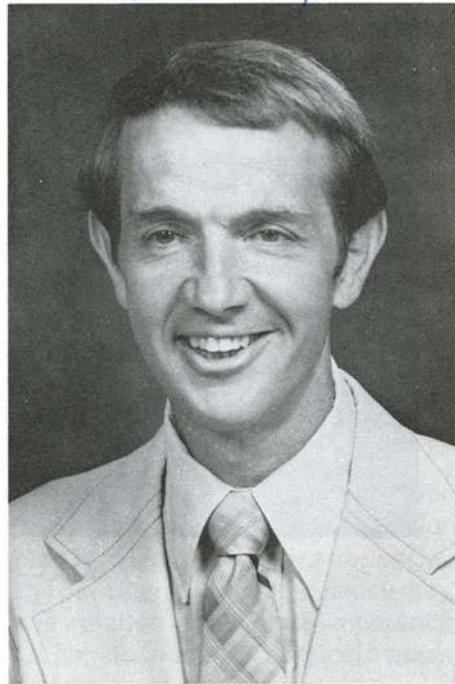


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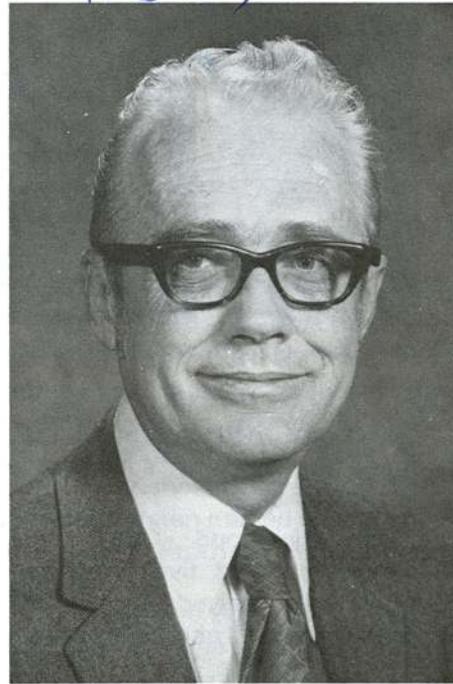
Donald D. Cannon

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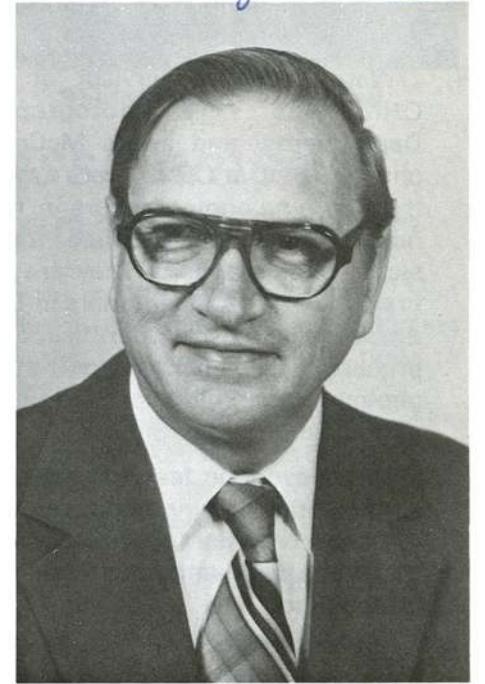
Thomas E. Douglass

158636



James A. Parsons

80-3203



Troy C. Trotter

Major appointments told in Engineering

A reorganization of engineering activities, including four appointments to key positions, has been announced by George R. Jasny, Vice President of the Nuclear Division. The appointments include:

Donald D. Cannon, who assumes responsibility for a new experimental and mechanical engineering organization;

Thomas E. Douglass, who will head a newly established plant engineering organization;

James A. Parsons, who will be responsible for an expanded process engineering division; and

Troy C. Trotter, who will head a newly established project engineering organization.

The appointments are effective September 1. Cannon, Douglass,

Parsons and Trotter will report to Finis S. Patton, director of engineering.

Cannon, a native of Knoxville, received his BS in mechanical engineering and MS in engineering mechanics from the University of Tennessee. He is also a graduate of the Oak Ridge School of Reactor Technology.

He joined Union Carbide in 1959 and was assigned to ORNL. Over the years, he was appointed to positions of increased responsibility and in 1976 was named department manager for research engineering. Two years later, he was named manager of experimental engineering at ORNL.

Cannon is a registered professional engineer in Tennessee, and is a member of the Tennessee Society of Professional Engineers (TSPE). He has been active in the American

Society of Mechanical Engineers and previously served on a subcommittee of ASME boiler and pressure vessel codes.

He is married to the former Virginia Jennings, also of Knoxville, and they have four children. They live at Route 6, Helen Drive, Powell.

Douglass, who has been manager of mechanical engineering for ORGDP and the Y-12 Plant since 1976, is a native of Grenada, Miss. He received BS degrees in mechanical engineering and business administration from Mississippi State University in 1958, following which he joined the Nuclear Division at Y-12. Over the years he has been head of Dimensional Inspection and manager of Fabrication Development at Y-12, and on the staff of the separation systems organization at ORGDP.

He is past president of the TSPE and is the 1980 recipient of the "Outstanding Service Award" of that organization. He is a registered professional engineering in Tennessee and Mississippi, and is certified by the Society of Manufacturing Engineers. Douglass also is a member of NSPE.

Active in community affairs, he is a member of the National Association for Retarded Citizens and a past president of the Oak Ridge Country Club.

Douglass is married to the former Thelma Heiskell of Maynardville, Tenn. They have three daughters, and live at 103 Windgate Road, Oak Ridge.

Parsons, a native of Hand County, S. C., received his BS in chemical

engineering from the South Dakota School of Mines and Technology in 1944. He joined Union Carbide the same year, when he became associated with a group at Columbia University working on development of the gaseous diffusion process for uranium enrichment.

He came to Oak Ridge later that year, and was involved in startup operations at ORGDP. His professional career has included superintendent of the Process Division, superintendent of Process Engineering at ORGDP, and manager of General Engineering for the three Oak Ridge facilities Union Carbide operates for the Department of Energy. In 1975, he was appointed to his present position as Process Engineering manager for the three Oak Ridge facilities.

Parsons is a registered professional engineer in Tennessee and a certified nuclear materials manager in the Institute of Nuclear Materials Management.

Active in community affairs, he has served as engineering representative on the Oak Ridge Civic Center Building Commission, chairman of the Oak Ridge Environmental Quality Advisory Board, and for many years was vice chairman of the Oak Ridge Board of Zoning Appeals.

Parsons is married to the former Harriett Suddarth, Gallatin, Tenn. They live at Route 4, Wild Acres, Clinton. The couple has two sons.

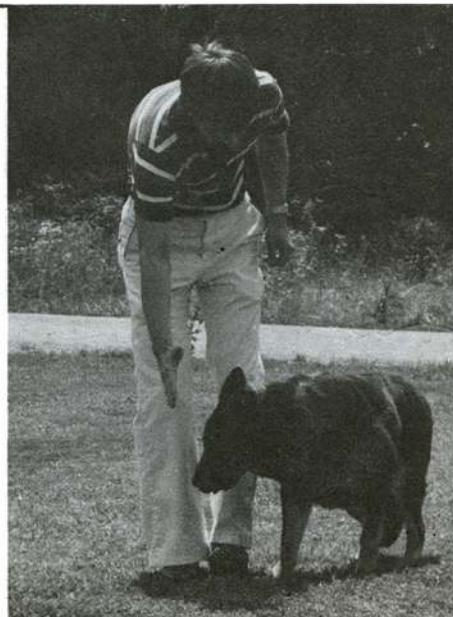
Trotter was born in Sevierville and received his BS in chemical engineering from the University of Tennessee. He joined Union Carbide at

In this issue...

Paducah's B. J. Stokes spends his spare time training and breeding Doberman pinschers and German shepherds. See page 4 for more pictures and story about his hobby.

Other features in this issue:

Photography award winners page 2
 Dr. Lincoln page 3
 Question Box page 5



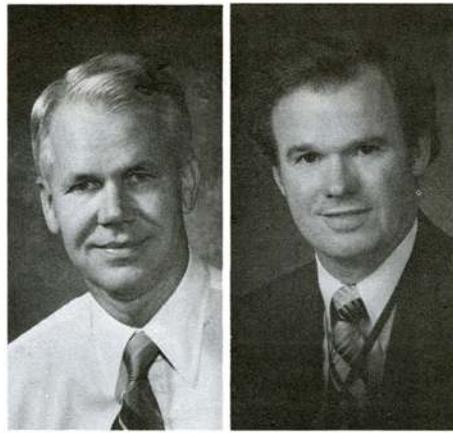
Division photographers take honors at annual conference

Nuclear Division photographers took a fair share of honors at the Tennessee Professional Photographers Association annual convention last month in Gatlinburg.

Ward Bandy, supervisor of the ORNL and Y-12 Photographic Departments, and Lewis McCrary, photographer at ORNL, were among the first nine photographers in Tennessee to be named Certified Professional Photographers. They are the first industrial photographers in Tennessee to be so rated. Certification is primarily based upon awards that the photographers have picked up in annual salon competition.

The convention features a photographic print judging and a salon of the members' winning photos. Some 200 prints were entered in this year's competition.

Bandy had six photos accepted for the judging. Of these, three received "second awards of excellence," one received "first award of excellence," and one was accepted for the "court of honor."



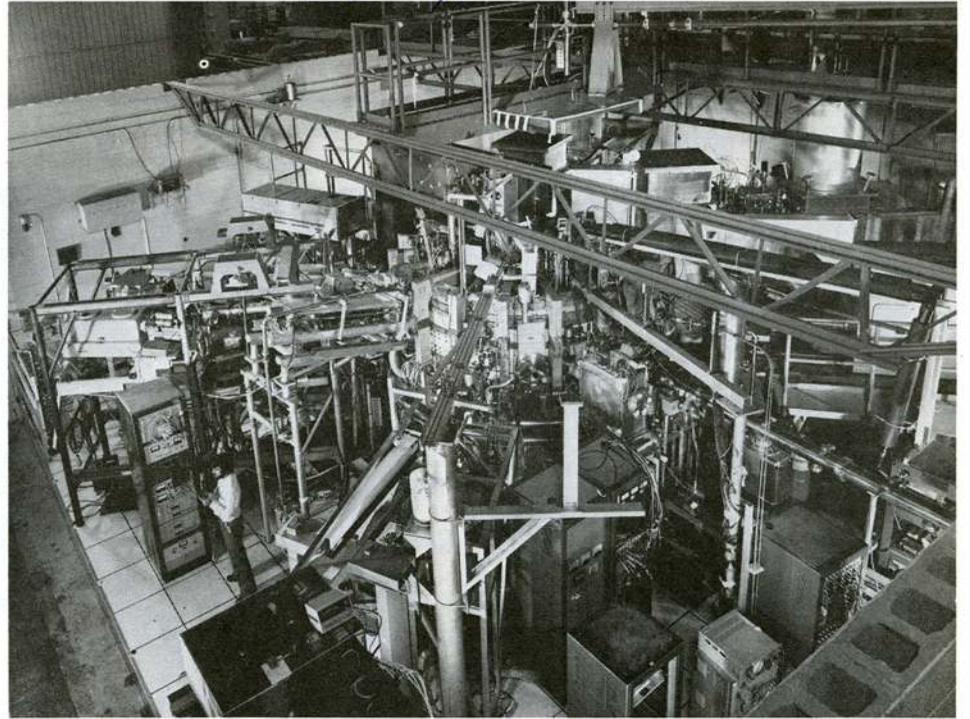
Bandy

McCrary

McCrary had six accepted. Of these four received "second awards of excellence."

Jim Richmond, ORNL photographer, showed five prints at the salon; two received "second awards of excellence" and one photo was accepted for the "court of honor."

Terry Marlar, Y-12 photographer, showed three and of these, two received "second awards of excellence."



ISX—by Terry Marlar

Save energy / Share the ride

Y-12 Plant

TWO CAR POOL MEMBERS from East Kingston to East Portal, straight day. Howard Horne, home phone Kingston 376-7960, plant phone 6-0517.

RIDERS for van pool from Middletown, straight days, all portals except East. C. J. Littleton, 376-5856, Kingston.

FORM or JOIN CAR POOL from Norwood, Cumberland Estates, to all portals, 7:30-4 p.m. shift. S. T. Benton, plant phone 4-1893, home phone Knoxville 687-9496.

RIDERS from Island Home section, Knoxville, via South Haven, Western

Avenue, to any portal, straight day (including early shift). Bill Sherrod, plant phones 4-0191, 6-3189, home phone Knoxville 577-0295.

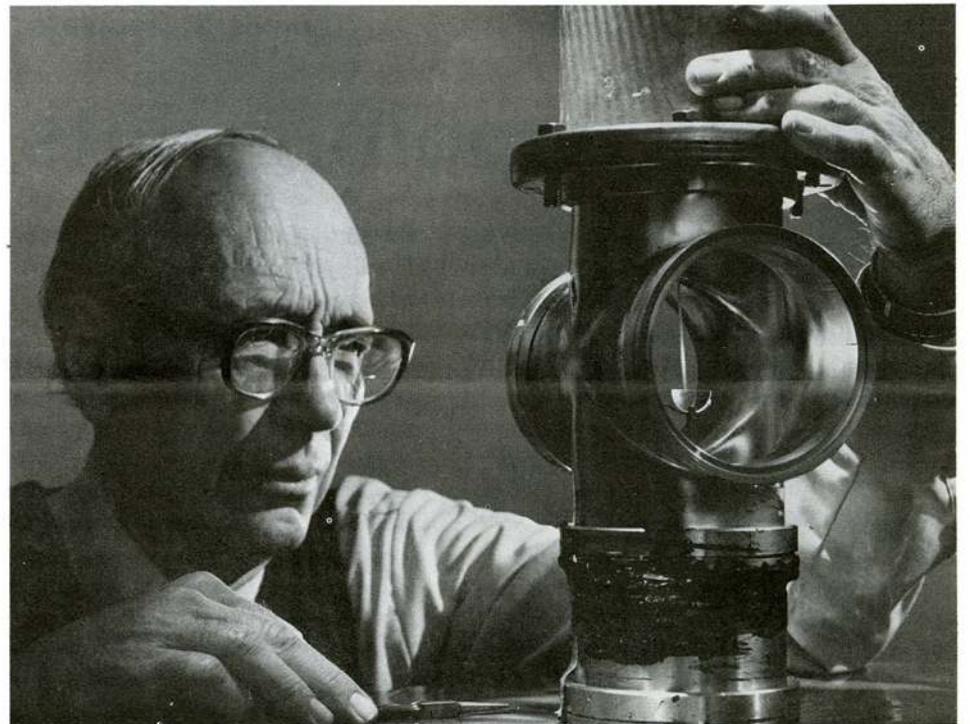
ORGDP

RIDERS from West Knoxville, Concord area, to Portals 5 or 6, 8-4:30 shift. Lee Ford, plant phone 4-9711, home phone Knoxville 966-8331.

BUS RIDERS from Harriman, Middletown and Kingston to all portals. Telephone 6-0204, or Harriman 882-5618.

ORNL

RIDE from West Emory/Powell to East or North Portals, 8-4:30. Tom Rice, plant phone 4-7089; home phone 947-8079.



ELLISON TAYLOR working on a sample of pure nickel in a vacuum chamber—by Jim Richmond

UNION
CARBIDE

Nuclear Division News

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

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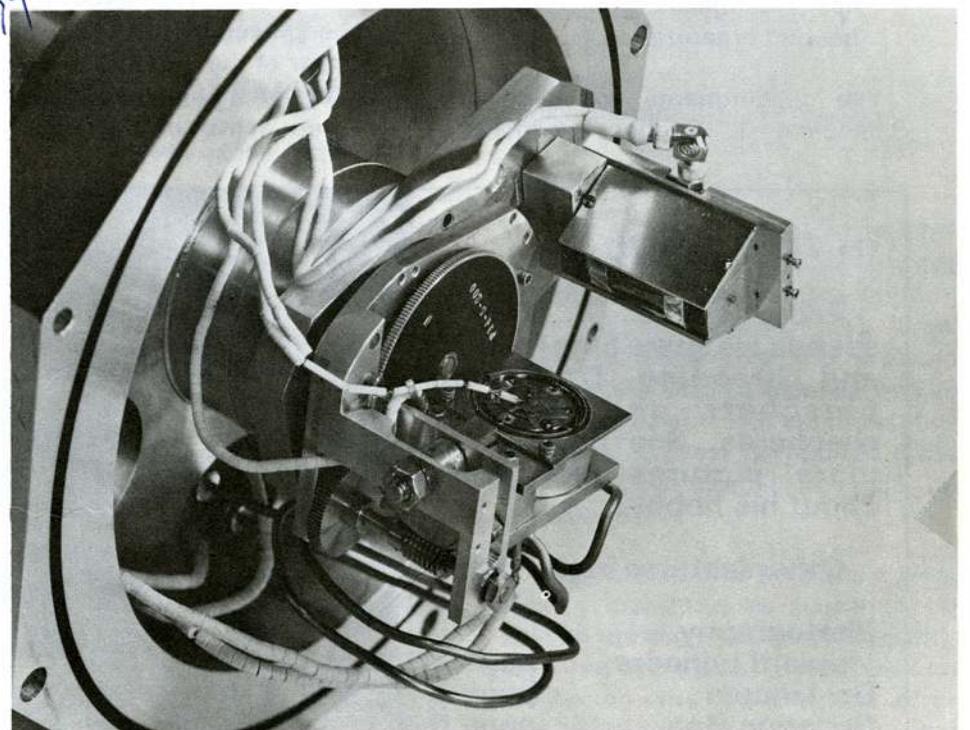
Cindy Ross Lundy, 574-4163

PADUCAH

Darlene Mazzone, Bell 208



INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS



SCATTERING CHAMBER—by Lewis McCrary



Impotence - A need for understanding

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.)

Impotence is a problem about which few physicians will inquire and few patients will complain. Although most people accept sexual functioning as a fundamental part of life, male performance is still not a subject that is easily discussed.

Because of a preoccupation with psychological causes, accurate diagnosis is frequently delayed for years. Regardless of the real cause and severity, the common assumption is that 90 to 95 percent of impotence is exclusively psychogenic in origin. Since men with potency problems are often anxious and depressed, the underlying organic problem is frequently overlooked. Erectile potency requires intact and adequately functioning neurological, circulatory and hormonal systems. A healthy psyche is not enough!

"Any disease or medication that interferes with the transmission of nervous impulses over the autonomic nervous system may impair potency."

Many men will be able to remain fairly active sexually, even though they are not fully potent. Nevertheless, whenever the cause is correctable, an accurate diagnosis should be obtained before unnecessary psychotherapy or other "cures" are attempted.

Any disease or medication that interferes with the transmission of nervous impulses over the autonomic nervous system may impair potency. Diabetes is probably the most common disease to frequently affect potency.

The most common drugs that depress the autonomic nervous system include muscle relaxants, anti-hypertensives, digitalis, antihistamines, tranquilizers and sedatives. Both alcohol and marijuana depress neurological functioning after heavy or chronic use.

Injuries of the spinal cord and degenerative diseases like multiple sclerosis may lead to impotency. Acute bladder and prostate infec-

tions also may temporarily impair sexual function.

Adequate circulation to the lower spinal cord and penis is necessary for potency. Many men with arteriosclerotic peripheral vascular disease may have relative or absolute impotency that can be treated by surgical bypass of the arterial obstruction.

"The control mechanism, blocking substances and anti-hormones are not fully understood."

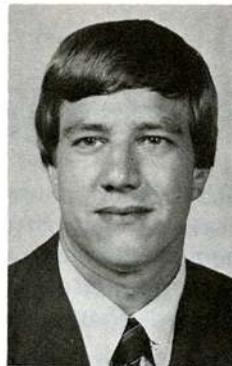
The hormonal control of potency is complicated. An adequate level of the male sex hormone, testosterone, is essential. About 300 nanograms per 100 milliliters of blood is roughly the level below which sexual functioning decreases drastically. Above that level, sexual activity seems to be almost independent of the actual hormone concentration. Some men in their 70's may have high testosterone levels but low interest in sex. Adolescent males often have exceedingly high levels of sexual interest with relatively low hormone levels.

Other hormones from the pituitary and thyroid also influence sexual functioning. The control mechanisms, blocking substances and anti-hormones are not fully understood.

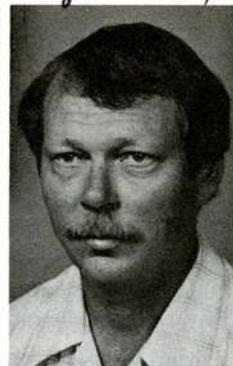
"Impotence is a symptom that can and should be evaluated like any other disturbance."

Although testosterone levels can be measured precisely using radioimmunoassay techniques, more than one measurement has to be made. If only one blood sample is tested, it is possible that the level found will not be representative of the usual concentration.

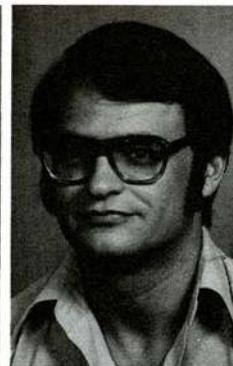
Impotence is a symptom that can and should be evaluated like any other disturbance. Circulatory problems can be often corrected by surgery, and depressed hormone levels can be corrected by testosterone injections. Psychological impotence often responds to sex education, sex therapy and psychotherapy.



Cortelyou



Parker



Shirley



Sneed

Four given new assignments in ORGDP Maintenance group

The Maintenance Division at ORGDP has announced four promotions: Steve G. Cortelyou has been named head of the Mechanical Engineering Section; Howard E. Parker and Frank E. Shirley have been named supervisors; and Dorothy B. Sneed has been named supervisor of the Maintenance Engineering Section.

Cortelyou was born in Long Beach, Calif. and grew up in Virginia. He has a BS in mechanical engineering from Tulane University, and joined Union Carbide in 1975.

He and his wife, the former Rita Mansour, live at 1728 Capistrano Drive, Knoxville. They have a daughter, Lori.

Parker, a native of Hattiesburg, Miss., attended the University of Southern Mississippi and worked with Ingalls Shipbuilding before joining Union Carbide in 1976.

He is married to the former Jean Burks, and they live at 32 Rolling Acres, Rockwood. They have a daughter, Michelle.

Shirley was born in Montpelier, Vt. and worked with the City of Cocoa Beach, Fla., before joining Union Carbide in 1975.

Mrs. Shirley is the former Penee Lamb, and they live at 115 North Wilder Avenue, Rockwood, with their four children, Samuel, Matthew, Nathan and Joshua.

Sneed is a native of Cleveland, Tenn., and attended the University of Chattanooga. She has a BS and an MS in industrial engineering from the University of Tennessee, and was a systems analyst at Tennessee Eastman Company before coming to the Y-12 Plant in 1973.

She and her husband, Wayne, live on George Williams Drive, Knoxville.

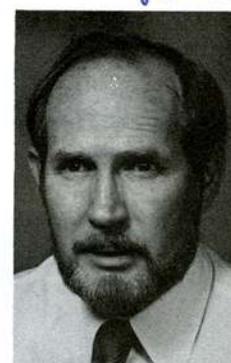
More ORGDP promotions



Barnard



Buczynski



Smith

Three promotions have been announced at ORGDP. Randall D. Barnard has been named a supervisor in the Maintenance Division; Linda S. Buczynski has been promoted to a technical associate in Management Systems Department; and Oscar T. "O.T." Smith has been named an engineer in the Centrifuge Engineering Department.

Barnard is a native of Tazewell and has been at ORGDP since 1976. Prior to that time, he was with Dempster Brothers and Stowers Machining and Nixon Machinery. He is a graduate of the Nashville Auto Diesel and Welding College.

He and his wife, the former Darless Hankins, live at Route 3, Strawberry Plains. They have three children, Angela, Bryan and Brent.

Buczynski is a native of Cheboygan, Mich. She joined Union Carbide

in 1976 in the Security and Plant Protection Division. She is a graduate of the Michigan State University.

She and her husband, Mitchell, who works in the Separation Systems Division at ORGDP, live at Anglers' Cove, Kingston.

Smith, a native of Cardova, Tenn., joined Union Carbide in 1956. He has worked at all three of the Oak Ridge plants and served with the U.S. Army. He holds a BS from the University of Tennessee in industrial education and has been a drafting technology instructor in the Training and Technology project in Y-12. He is now teaching at Roane State Community College.

He and his wife, the former Jane Burnette, live at Route 2, Walnut Lane, Claxton, where he is active in community affairs.

Stokes, a dog trainer, breeder and boarder

Most parents encourage their children to go to college and earn a degree. Some people, however, carry the idea a little further by educating their pets. That's where B. J. Stokes, Paducah Plant Engineering Division, comes into the picture as a dog trainer, breeder and boarder.

Stokes' canine students go to class. They are required to perform well. They are tested and given appropriate marks, and if they manage to meet the standards, they are awarded degrees. But regardless of their report cards, they are definitely loved.

"I just knew I wanted to do it," Stokes said of his ten-year fascination with dogs and their training and competition. He works primarily with Doberman pinschers and German shepherds.

Stokes and his students have accumulated over 150 ribbons in dog shows sanctioned by the American Kennel Club (AKC). At one point, he was averaging 20 shows per year. Time and effort are now devoted to a ten-week obedience school held twice a year by Stokes and an associate.

Stokes' classes prepare the dogs for general basic training or AKC competition. Competitive shows consist of a series of exercises on which each dog is scored by a group of judges. The dog must first heel alongside its master, making left and right turns and changing pace; it must then perform a figure eight. Next is the "stand for exam" exercise, which requires the dog to stand at attention six feet from its master,

while a judge strokes the dog. An entrant must also heel off the leash, sit facing its master when called and, finally, heel at its master's feet.

A dog can obtain degrees from the AKC in the following categories: novice, open work and utility work. To reach these levels of proficiency, a dog must receive a qualifying score in three shows from three different judges. Exercises in the utility work competition, which offers the highest-ranking degree, include complicated jumps and scent work involving only hand signals and no verbal commands from the trainer. Stokes, who owns and trains the three highest-scoring dogs in trials in the tri-state area, said they reached that plateau only through many hours of practice and patience.

"The pressure is really great in competition when you've spent as much as a year and a considerable amount of money on training a particular dog for a two-day trial," he said. Training for competition usually begins when a dog is between six months and one year old, although some may begin as early as three months. "The age varies with different breeds," Stokes said. "Some dogs are more mature at an earlier age."

Just like any athletes preparing for competitive events, the dogs work out in various ways in addition to their specified exercises. Stokes lets the dogs run on a nearby game preserve, and, to build flexibility, he leashes the dogs for a 20-minute swim. A dog's gait and ability to move smoothly and gracefully are important in judging, so Stokes' award

winners are paced by leashing them to a bicycle at a constant speed of about eight m.p.h. "Ideally, a glass of water placed on the back of a shepherd should remain stationary," he explained. "It's just that smooth."

But that graceful gait is an inherent quality expressed in a dog's stature and form. "Good-quality dogs are hard to find. Of a litter of seven or eight, only one puppy may have the

(Please turn to page 8)



GOOD BREEDING—B. J. Stokes, Plant Engineering at Paducah, shows his Doberman, Stohaus Red Bonny CD. Stokes breeds his own dogs, using a line-breeding method. "You generally search for outstanding qualities with 50 percent emphasis on physical characteristics and 50 percent intelligence," he said.



RENEGADE ATTACKS—Paulette Stokes restrains Renegade as B. J. provokes her into an attack. He conceals his identity and makes a surreptitious approach. Renegade defends her territory. She proved herself some time ago at the Stokes home when she held a night prowler at bay until B. J. came and took control of the situation.



HAND SIGNAL—Dogs respond to hand signals without verbal commands as demonstrated by B. J. Stokes at his Paducah home.

Question Box

Why can't members of the same family adjust hours?

QUESTION: In view of the severe gasoline problem, does the Nuclear Division have any plans to allow flexibility in daily work schedules so as to permit members of the same family who work at the same plant to work the same time schedule (i.e., 7:30-4 and 8-4:30)?

ANSWER: The Nuclear Division supports the concept of energy conservation and does encourage car-pools and vanpools that conform to the installation's established work schedules.

Any request for change in the daily work schedule for car/vanpooling, however, would have to be evaluated by supervision on a case-by-case basis with due regard to work assignments of the individuals involved.

'Travel' beneficiaries

QUESTION: You recently answered a question concerning the beneficiary in connection with the Group Life Insurance Plan, the Contributory Retirement Plan, and the Savings Plan; but you made no reference to the Business Travel Accident Insurance Plan for salaried employees. I understand that my beneficiary under the Business Travel Insurance Plan is the same as for my Group Life Insurance unless I designate otherwise. How can I make a separate beneficiary arrangement for the Business Travel Accident Insurance?

ANSWER: Contact your Benefit Plans Office. They have the necessary forms and will be glad to assist you. If you so desire, it is also possible to make an Absolute Assignment of your Business Travel Accident Insurance to the same or to a different beneficiary from that designated on your Group Life Insurance.

Hiring practices

QUESTION: Does Union Carbide hire people with some loss of hearing?

ANSWER: The Nuclear Division currently has 14 deaf employees. Through our recruiting efforts at the Tennessee School for the Deaf and the Tennessee Vocational Rehabilitation Agencies, we are able to iden-

tify deaf individuals who possess the necessary skills to perform the jobs we have available. We have an Affirmative Action Program for the Handicapped, including those with hearing loss, and we will continue to make every reasonable accommodation to employ such individuals.

Patents Granted

Daniel D. Schuresko, ORNL, for "Portable Spotter for Fluorescent Contaminants on Surfaces."

Charlene C. Edwards and Jack R. Day, both of Y-12, for "Method for Providing Mirror Surfaces with Protective Strippable Polymeric Film."

Fred Mundt appointed head of Nuclear Division QA

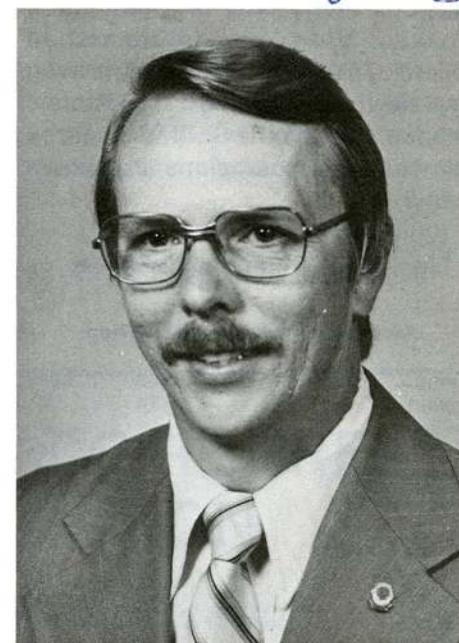
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Fred T. Mundt has been named head of the Nuclear Division's Office of Quality Assurance. The appointment, effective July 1, was made by Roger F. Hibbs, President of the Nuclear Division. Mundt reports to Paul R. Vanstrum, Vice President, and succeeds Ed F. Gambill, who has transferred to another job.

Mundt joined Union Carbide in 1967 at the Y-12 Plant, transferring to ORGDP in 1975. In 1977 he was named Quality Assurance Manager at ORGDP, and for the past two years has served as Quality Assurance director of Operating Contractors Project Office. He has an MS in physics from the University of Tennessee.

He belongs to the American Association for the Advancement of Science, American Society of Non-destructive Testing and the American Society of Quality Assurance.

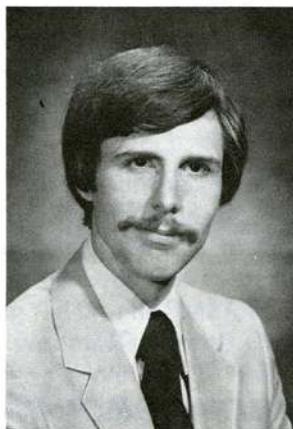
Mrs. Mundt is the former Margaret Diane McLemore, and they live at



Fred T. Mundt

Route 2, Powell. They have three children, Elizabeth, Douglas and Michael.

News About People



Miller

Gary A. Miller, Mechanical Engineering Department at the Paducah Plant, has been selected chairman of the Paducah section of the American Society of Mechanical Engineers. A graduate of Virginia Tech, he joined Union Carbide in 1976 and has worked in mechanical equipment design specializing in centrifugal process compressors.

Miller has served as publicity chairman and secretary of ASME. He is also the sound engineer and a member of the technical crew at the Market House Theater.

Loucas G. Christophorou, ORNL Health and Safety Research Division, has been named a correspondent member of the Academy of Athens in Greece. He was honored for his work on low-energy electron-molecule and ion-molecule interaction processes in gases and liquids.

Election to membership in the 121-year-old academy is the highest Greek honor given to scientists, scholars and artists for contributions toward the advancement of science and the arts. The honor is formally awarded by a presidential decree.

A native of Greece, Christophorou joined ORNL in 1963. In addition to heading the atomic molecular and high voltage group, he is a physics professor at the University of Tennessee.



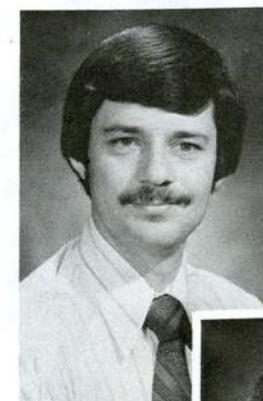
Christophorou

Christophorou is a fellow of both the American Physical Society and the American Association for the Advancement of Science.

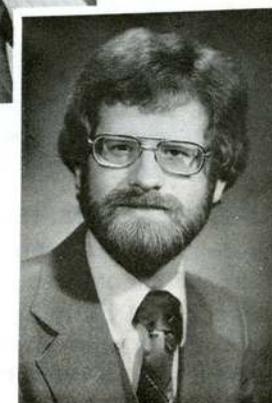
Herb Strong, Paducah Computer Applications Department, has been appointed to fill a consumer's slot on the Purchase Subarea Health Council. The regional council is made up of 33 providers and consumers of health services and is the first of a three-level process that reviews health projects in the eight-country area of western Kentucky.

A native of Brewton, Ala., Strong is a graduate of the University of Alabama, holding a master's degree in electrical engineering. He worked in Y-12 before transferring to Paducah.

Ron Charlton, a computer applications engineer at the Paducah Plant, has received his professional engineer's license in electrical engineering. A graduate of the University of Kentucky, he joined Union Carbide in 1974. He is a member of Eta Kappa Nu engineering honorary society.



Strong



Charlton

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
April 80	17.4019	38.6371	10.0675
May 80	17.5301	40.7534	10.5271
June 80	17.6596	43.4691	10.7992
July 80	17.7883	44.7291	11.4957

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.1% for 1980. 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.

Final Softball League standings

Final standings in the Softball Leagues show only one team...the Snakes...with an unblemished record. *The perennial champs* won the North Division of the Atomic League, besting the Shifters by three games. Other champions are shown below:

Final league standings:

Atomic League - North Division

Name	Won	Lost
Snakes	14	0
Shifters	11	3
B. T. Express	12	4
Gashouse Gang	9	5
Blue Demons	9	6
Bruins	9	6
Electric Bananas	8	7
Dynamics	7	8
ESD Pits	6	9
Rangers	4	10
A-Shifters	2	11
Critical Mess	2	12
War Hogs	1	13

Atomic League - South Division

Name	Won	Lost
Thunderdogs	13	2
Mama's Best	12	3
Prime Time Players	12	3
Magnum Force	10	5
Mutagents	10	5
Infra-Red Sox	8	7
Short Circuits	7	8
Ole Ruff & Ready Gang	5	10
Arties Army	5	10
The Starters	5	10
Bat-O-Matics	2	12
Innovators	0	14

Carbon League - East Division

Name	Won	Lost
K-Traitors	14	1
Bareskins	12	3
Streakers	11	3
Fes-Kids	11	4
QA&I	9	5
Pirates	9	6
Sluggers	7	7
Ringers	7	7
Bear Creek All Stars	6	8
Superstar's	6	9
Crippled Turkeys	6	9
Knockers	5	9
Killer Bees	5	10
Wizards	4	10
Coneheads	4	11
Tom's Turkeys	0	14

Carbon League - Central Division

Name	Won	Lost
Master Batters	14	1
Luda Loptas	13	2
P.O.I.'s	12	3
More Knockers	11	4
Fed II	11	4
Wild Turkeys	10	4
Skinks	10	5
Pop-Ups	6	8
The Gauss House Gang	5	9
Fuzz Ballz	5	9
Uptowners	5	10
Fed I	5	10
Pits	4	10
Zilogs	2	12
Our Gang	2	13
The Argonauts	2	13

Carbon League - West Division

Name	Won	Lost
Sparks	15	0
Seven + Three	13	1
Moneychangers	9	5
Stonefingers	9	6
Odds and Ends	8	6
Bombers	8	6
Gordon's Golden Flakes	8	6
Whirlybirds	8	6
'Tape' Worms	7	8
Moxies	6	8
Bits and Pieces	6	8
Rivets	4	9
Rat House Gang	4	10
The Loose Balls	4	10
Super-Subs	3	11
Three Up Three Down	1	13



AN UNSAFE MARRIAGE—The wedding party/cast of the ORGDP Building Maintenance Department's safety skit included, from left, Charlie Kershaw, Bob Couch, Mike Galloway, Pat Kelly, Gail Lee (behind), Buck Wills, Roy White and Gerald Walters. Not pictured is Larry Johnson.

Careless bride in safety skit

"And I now pronounce you man and wife."

Not the usual script for a safety meeting. But the Building Maintenance Department of ORGDP's Maintenance Division didn't conduct the usual safety meeting in May. Instead, the mock wedding of Hattie B. Careless, played by Pat Kelly, and Billy R. Safe, portrayed by Mike Galloway, carried out a "home safety" theme.

Billy readily promised to follow safety rules around the house, but his accident-scarred prospective bride balked at her vows to make a safe home for herself and her groom. "Minister" Charlie Kershaw con-

cluded, "According to the good book, two people should not be unequally yoked. Where there is Careless, there can't be Safe; and where there is Safe, there can't be Careless. The marriage is, therefore, impossible."

Hattie finally found a husband in best man Harry Hazard, played by Bob Couch, leaving the congregation to imagine the "Hazards" of such a match.

Other members of the cast and crew were Roy White, the bride's mother; Larry Johnson, Hattie's father; Buck Wills, an usher; Gerald Walters, Charlie Moulden and Danny McGrew. Gail Lee, the department secretary, wrote and directed the skit.

Bowlers needed!

K-25 Wednesday Night bowlers attention! Both bowlers and teams are needed. Call Ray Smith, extension 4-9028; or Louie Finley, 4-9626. The bowlers will roll out the first ball on September 3.

Hi Power Rifle...

Frank Barnes, ORNL, took the fourth match of the High Power Rifle League with a 766 out of 800. Paul Glover, also of ORNL, was second with a 713; while Roger Wiegand, Y-12, took third place with a 704. Other scores were: M. A. Baker, ORNL, 677; H. Fell, Y-12, 646; and A. Beasley, Y-12, 556.

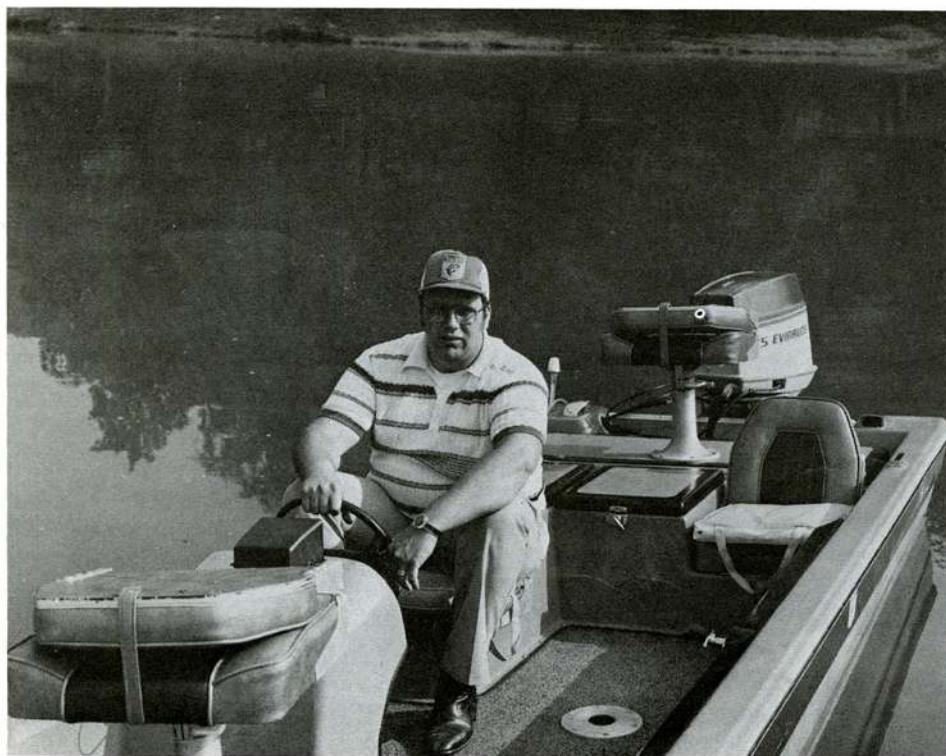
The fifth match went to Don Kiplinger, ORNL, with a 746. Glover repeated as second placer in the match and Harold Fell, Y-12, posted a 652 for third place. Other scores: Baker, 627, Beasley, 330 and I. Collier, ORNL, 216.

Monday Mixed...

Two teams are tied for first place in the UCC Monday Mixed League. There will be a roll-off between the Good Luck 4 and Four's Company to decide the winner. The High Rollers moved into first place for the season high handicap game, rolling a total of 848.

Next issue...

The next issue will be dated September 4. The deadline is August 26.



JUSTICE TRIUMPHS—Stanley Justice Jr., a lieutenant in Y-12's Plant Protection, has been cited for his decisive action in June on Melton Hill Lake. While camping there, Justice heard a man crying for help, hanging on to a buoy in the middle of the lake. A visitor from Ohio was holding his older brother out of the water. Justice jumped in his boat and brought both of them ashore. The older man was not breathing, but began when the Y-12er gave him first aid. His action saved the man's life, Loudon County officials stated.

Annual picnic set for Metal Preppers

The Metal Preparation Division of Y-12 (once called Chemical Operations) will stage their annual picnic Saturday, August 30 at 4 p.m. It will be held at Cove Lake State Park in Campbell County.

All chemical operators (both present and past) are invited. Just bring your own supper and show up at Cove Lake.



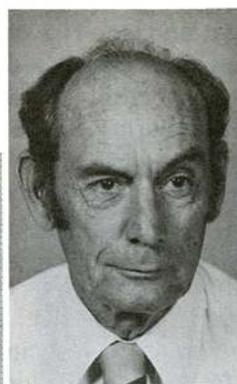
Recent Retirements



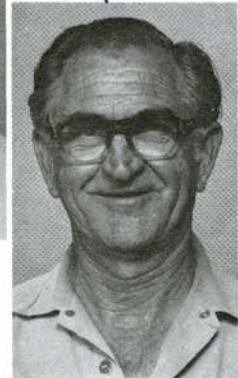
Alice K. Cobb
Fusion Energy
ORNL
21 years service



James W. Woody, Jr.
Instrumentation and
Controls
ORNL
30 years service



Bruce H. Webster
Engineering
ORGDP
32 years service



Elmer C. Reaves, Jr.
Plant and Equipment
ORNL
35 years service

Anniversaries

Y-12 Plant 35 YEARS

Eva K. Williams, Stores Department; Warren B. Tyree, General Can Fabrication Shop; Vernoy R. Sexton, Beta 2 Chemistry; Andy P. Phillips, Electrical and Electronics; James W. Hamby, Timekeeping; and Greer E. Valentine, Material Specimen Shop.

30 YEARS

Thurman W. Noe and Roy J. Johnson, both in Buildings, Grounds and Maintenance Shops; Clarence J. Maddux Jr., Process Maintenance; Burneth R. Cabage, General Shops; Nerge B. Bloomer Jr., Alpha 5 West Shop; John F. Gregory Jr., Development Division; Paul Abner, Process Maintenance; Charles E. Helfenberger, Research Services; Harold D. Cofer, Process Maintenance; Theodore W. Robinson, Dimensional Inspection; David W. Smith, Chemical Services; Alford T. Wallace, Research Services; Raymond E. McNew, Equipment Services; Frank C. Winstead Jr., Production Scheduling; Rolland J. Spurling, Process Maintenance; William C. Geldmeier, Material Procurement; Charles E. Bolyard, General Shops; Villard P. Maddron, Process Maintenance; and Howard H. Pratt, General Can Fabrication Shop.

25 YEARS

William E. Wilson and Olin G. Proffitt.

20 YEARS

Jimmy L. Murphy and Robert J. Mustin.

ORNL 35 YEARS

Edward J. Frederick, Chemical Technology; Alan T. Gresky, Chemical Technology; Eldred B. Hansard, Quality Assurance; James J. Kurtz, Engineering; Simeon P. Legg, Operations Division; Glenn C. Rogers, Chemical Technology; Russell A. Schmidt, Engineering; Ivan H. Wiggins, Industrial Safety; and Richard E. Zedler, Instrumentation and Controls Division.

30 YEARS

John O. Blomeke, Chemical Technology; William T. Bostic, Chemical Technology; Ralph R. Coltman Jr., Solid State Division; Earnest Deaderick, Plant and Equipment Division; William L. Griffith, Chemistry Division; Paul N. Haubenreich, Fusion Energy; Leo B. Holland, Operations Division; Donald K. Poland, Plant and Equipment; and Betty G. Underwood, Finance and Materials Division.

25 YEARS

Robert H. Brown, Joe W. Cable, Charles E. Childress, Stella W. Perdue, Roy C. Robertson and Robert P. Wichner.

20 YEARS

James R. Fleenor, Neil Griffith, James B. Mankin Jr., Francis G. Perey, Jack Smith, Lloyd M. Vinyard and George T. Yahr.

Paducah 25 YEARS

Harold E. Price, Joyce D. "Jack" Teasley and Willis H. Dowell.

Retirees association planning full season of activities

The Union Carbide Retirees Association is planning a Thanksgiving week trip to New Orleans, another reunion-picnic, a bowling league, and enough activities to keep even the young exhausted.

Another application appears below. The association now has an

Oak Ridge telephone also...576-1786, with an office uptown.

Membership is \$1 per year per person...\$2 per couple. Just fill out the application below and get in on the fun.

If you wish additional information just give them a call at 576-1786.

UNION CARBIDE RETIREES ASSOCIATION

Membership Application

Fee: \$1

Retiree and spouse \$2

Name _____

Spouse _____

Address _____

City _____ State _____ Zip _____

Telephone—Area Code _____/Number _____

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

Retired from:

ORGDP _____ ORNL _____ Y-12 _____

Paducah _____ Staff _____

Indicate Participation preference:

Golf _____ Painting _____

Travel _____ Christmas Party _____

Other Activity _____ Swimming _____

Bowling _____ Bridge _____

Reunions (2/yr) _____

Suggestions:

Make check payable to:

Union Carbide Retirees Association



Mail to:
P.O. Box 3501
Oak Ridge,
Tennessee 37830



or
P.O. Box 238
Paducah, Kentucky
42001

Safety Scoreboard

Time worked without a lost-time accident through August 14:

Y-12 Plant	254 Days	8,769,000 Employee-Hours
ORGDP	192 Days	5,975,330 Employee-Hours
ORNL	96 Days	2,262,618 Employee-Hours
Paducah	16 Days	160,000 Employee-Hours

Health Physics Society marks anniversary with publication

Radiation protection, monitoring, badge exchanges—all these might come to mind when "health physics" is mentioned. And essentially, that's what it's all about: the study and evaluation of radiation and radiation protection.

To those who are involved in the field, the term refers to a science discipline whose roots can be traced back to the late 1800's with the development of X-rays. And to 3900 health physicists across the U.S., it also means an organization which had its beginnings at Oak Ridge National Laboratory.

Fellowship program

The idea for such an organization sprang from the minds of participants in the AEC Radiological Physics Program, a fellowship program begun at ORNL in 1948. The program was primarily a course in which 10 students a year spent nine months in the classroom studying health physics and three months in field training at ORNL. In 1950 the program became associated with Vanderbilt University, leading the way for expansion to Harvard; Texas A & M; and the Universities of California, Kansas, Michigan, Puerto Rico, Rochester, Tennessee and Washington. Field training facilities were established at seven research laboratories across the U.S.

Society began

Myron Fair, research staff member in the Industrial Safety and Applied Health Physics (ISAHP) Division, and an instructor in the fellowship program estimates that 60-70 percent of the senior health physicists in the U.S. today took the course, which often led to a related MS degree.

Seven years after the fellowship program started, Francis Bradley, a health physicist at Ohio State University and once a student in the program, invited the alumni and faculty to a conference where they could exchange information and learn of the latest developments in their profession. At the conference, the

health physicists voted to form the Health Physics Society.

The society's formation in 1955 satisfied two needs. First, it facilitated the exchange of information between members, and second, it created a medium, the *Health Physics* journal, in which health physicists could publish their work and could read about the work of others in their field.

A year later, at the first annual meeting of the society, 748 charter members elected officers and adopted a Constitution and Bylaws. Today, the society has 3900 members in chapters all over the U.S. More than half of the 125 members of the East Tennessee Chapter are Nuclear Division employees.

22 papers

In celebration of its 25th anniversary in June, the Health Physics Society published a special edition of *Health Physics* containing 22 papers dated 1897 to 1975. This collection of papers represents the most significant developments in the field.

Of the 32 health physics pioneers who authored the papers, 11 are or were associated with ORNL. Included are John A. Auxier, director of the ISAHP Division; James A. Harter; George S. Hurst; Chester R. Richmond, ORNL associate director for Biomedical and Environmental Sciences; Waldo E. Cohn; Paul N. Hensley; William A. Mills; Karl Z. Morgan; Paul W. Reinhardt; Marvin Slater (deceased); and Walter S. Snyder (deceased.)

Alumni listed

Among the alumni of the AEC fellowship program are the following who still work at ORNL: Auxier, Seldon R. Bernard, Hal M. Butler, James G. Carter, Howard Dickson, Clay E. Easterly, Lewis C. Emerson, Billy E. Foster, Kathy S. Gant, Edwin D. Gup-ton, Fred F. Haywood, John P. Jud-ish, Donald M. Kroeger, Charles H. Miller, Walter F. Ohnesorge, Linda R. Painter, Richard J. Raridon, Travis M. Sims and James E. Turner.

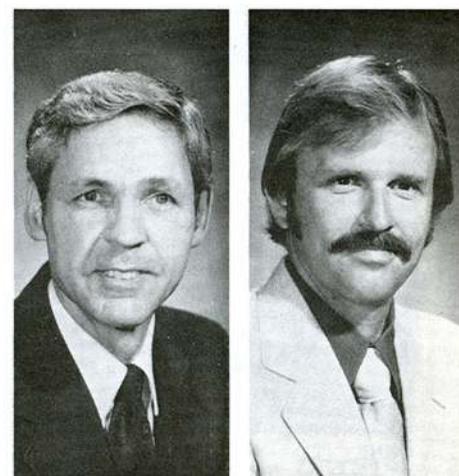
Baggett, Korte promoted in Paducah's Maintenance

Frank E. Baggett and Don H. Korte have been named supervisors in the planner/estimator section of the Maintenance Engineering Department at Paducah.

Baggett, a Kentucky native, joined Union Carbide in 1957. He has worked as a sheetmetal worker, electrician and planner/estimator. He served three years in the U. S. Marine Corps and holds an associate science degree from Paducah Community College. He has done additional studies at Murray State University.

He and his wife, June, have two children, Leigh Ann and Bret.

Korte earned a BS degree in industrial technology from Murray State University and is working towards an MBA. He has been with Union Carbide 10 years, working as a machinist, maintenance mechanic and most recently as a planner/estima-



Baggett

Korte

tor. Prior to joining the Paducah Plant, he worked with United Air Lines and Southern Illinois University.

He and his wife, Martha Kay, and their daughter, Melissa Dawn, live on Parklane Drive, Paducah.

Division death



Mr. Brown

Arthur C. Brown, a supervisor in ORGDP's Buildings and Grounds Department, died August 14 in a Knoxville hospital. A native of Loudon County, he joined Union Carbide in 1954. He served in the U. S. Army during the Korean war.

Survivors include his wife, Willie Nelson Brown, Philadelphia, Tenn., sons, Garry, Dennis and Patrick Brown; a daughter, Kathy Brown; brothers, James and Cecil Brown; and sisters, Bicie Wilkerson, Paulette White and Pearl Brown.

Engineering appointments

(Continued from page 1)

the Y-12 Plant in 1951. Promoted to positions of increased responsibility over the years, he was named Y-12 Project Engineering superintendent in 1971. Two years later, he was transferred to ORGDP and appointed manager of the Capacity Expansion Program. The following year, he was named manager of capital projects for the three gaseous diffusion plants.

He is a registered professional engineer in Tennessee. His professional memberships include NSPE, TSPE and the American Institute of Chemical Engineers.

Trotter is married to the former Reva Murphy, Scott County, Tenn. They live at 103 Ulysses Lane, Oak Ridge.

Dog trainer

(Continued from page 4)

lines of a prospective champion," Stokes added.

He has instructed approximately 500 owners and has worked with some 60 to 70 different breeds of dogs. He has also authored a booklet on puppy training for new owners. "It's really interesting to see the number of breeds and the level of interest in dogs for an area the size of Paducah," Stokes said.

Although obedience classes take up much of his leisure time, the remainder is devoted to training guard dogs. Stokes and his partner have placed three shepherds in area businesses for security purposes.

"A dog must have an appropriate temperament and adequate intelligence to be a successful guard dog," he explained. "When we screen a dog for selection, we take him to a neutral place, then spook him. If the dog runs away, he isn't considered for training. If he holds his ground or looks serious, he has potential for use. It's rare to see a dog attack," Stokes said.

After six to eight weeks of obedience training, a potential guard dog undergoes a 12-week security training program. During this time, increased levels of agitation are used to give the dog confidence and to instill aggression. An additional five weeks of training is required if the dog is to be taught to attack on command.

Regardless of the time and money Stokes invests in his avocation, he insists his dogs "are really a hobby, and they're my pets." And there's no disputing his contention after observing the mutual admiration and affection between the man and his dogs.



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