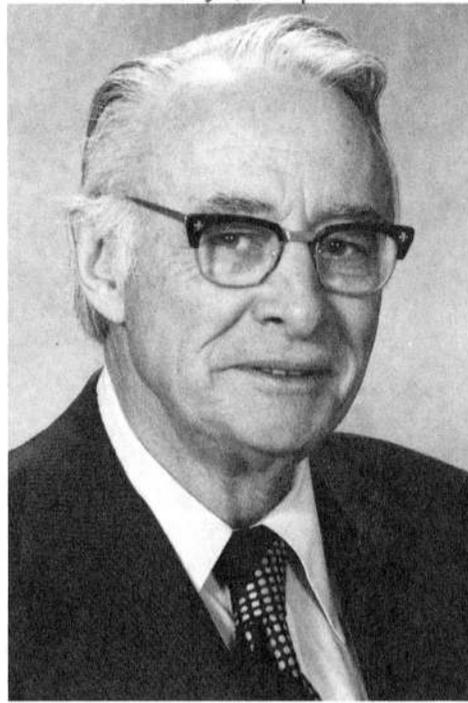




Andres de la Garza



Richard F. Kimball

De la Garza, Kimball Union Carbide Fellows

The designation of two members of the staff as Union Carbide Corporate Fellows has been announced by Roger F. Hibbs, Nuclear Division President.

Andres de la Garza, head of the Combined Operations Analysis Department at ORGDP, has been named a Corporate Engineering Fellow; and **Richard F. Kimball**, associate section head in the Mutagenesis and Teratogenesis Section, Biology Division, ORNL, has been designated a Corporate Research Fellow.

Commenting on the selections, Hibbs said that such recognition by the Corporation is made on an extremely limited basis to those who have chosen research and development as a professional career and whose contributions have been both significant and continually high over a period of many years.

Rice graduate

De la Garza received his bachelor of science degree from Rice University in 1943. The following year he joined Union Carbide at ORGDP.

During his early years with Carbide, he was concerned with pre-operational testing and start-up activities at ORGDP, following which he was assigned as technical supervisor of production units.

From 1948 to 1966, he was a member of the Operations Analysis Division, supporting the three Nuclear Division production facilities, and served as senior mathematician/statistician, operations analyst and department head. Most of his assignments were in the areas of development and production of uranium isotope separation systems.

Was with AECOP

In 1966 he joined AECOP, an Atomic Energy Commission combined operations planning organization with multicontractor representation. He was responsible

for AECOP's advanced systems and project analysis, specializing in industrial and government interfaces in uranium enrichment. On completion of the AECOP assignment he was appointed a senior staff consultant to the Planning and Analysis Division at ORGDP. In his present position, De la Garza is responsible for coordinating interplant operating activities of the nation's three gaseous diffusion plants.

De la Garza and his wife, Jean, live at 111 Ditman Lane, Oak Ridge. They have two daughters, Anita and Martha.

Kimball received his PhD from Johns Hopkins University in 1938, and was a Sterling Postdoctoral Fellow at Yale University and a biology instructor and assistant professor at Johns Hopkins. He joined the Nuclear Division in 1947 as a senior biologist in the Biology Division. He was named division director in 1967, a position he held until 1969 when he was granted a leave of absence to serve as a technical representative to the Division of Biomedical and Environmental Research of the Atomic Energy Commission. He rejoined the Biology Division in 1972 and has been associate head of the Mutagenesis and Teratogenesis Section since 1975.

DNA research

Kimball's research has centered on the processes involved in the induction of mutations, with special emphasis on the roles of DNA repair and replication in converting radiation or chemical damage into mutations. His early work was concerned with the mechanisms by which ionizing radiation induced mutations. Later, his studies showed that X rays, ultraviolet light, and several chemicals all produce "premutational" damage which is converted to final mutation at the time the cell's DNA replicates, or reproduces itself; and that prior to replication, such damage can be corrected by DNA repair mechanisms.

In recent years, his work also has been directed toward gaining better understanding of the control mechanisms involved in the conversion of slowly multiplying normal cells to more rapidly multiplying cells.

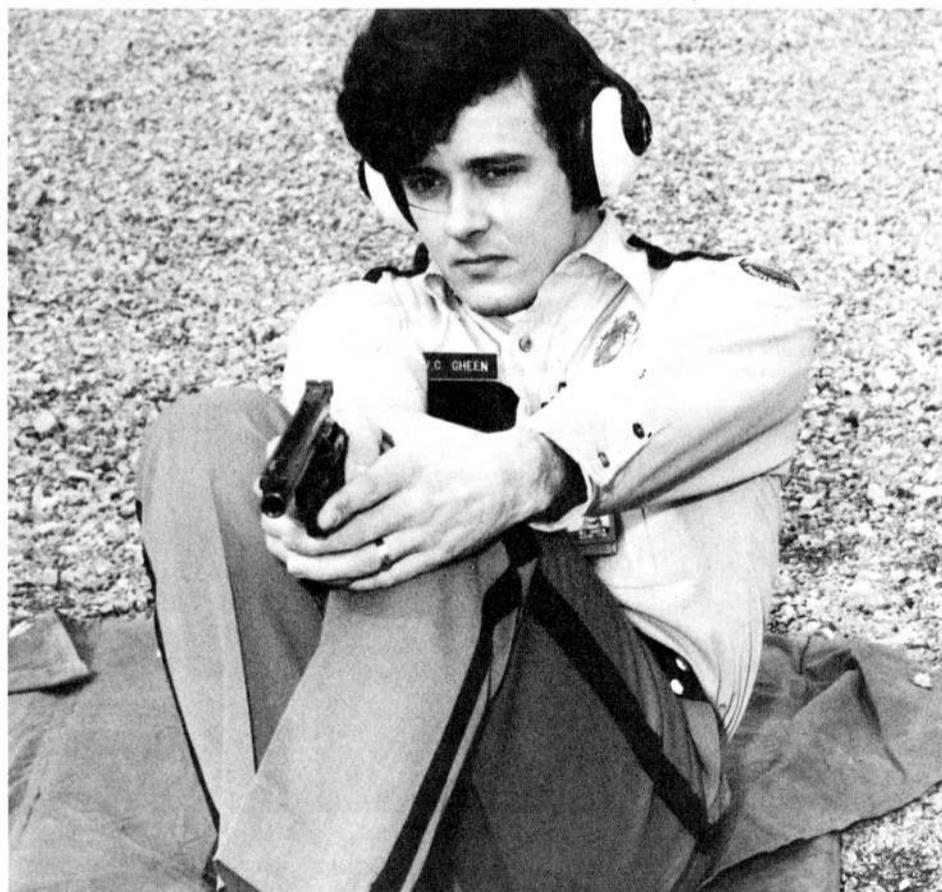
Kimball lives at 102 Norton Road, Oak Ridge.

Maternity benefits revised

An amendment to the Civil Rights Act of 1964 requires employees to treat disabilities caused by pregnancy or related conditions in the same manner as disability for any other nonoccupational cause. Because this will require substantial changes in some benefit plans, the law allows a period of six months, ending April 30, 1979, to make these changes. The Nuclear Division has elected an earlier date of January 1, except for minor changes which may be made in the hospitalization plan.

Bulletin board notices have been posted at each installation, describing the major changes which were made effective January 1.

Questions concerning these changes or how they may apply to specific situations should be addressed to the Benefit Plans office.



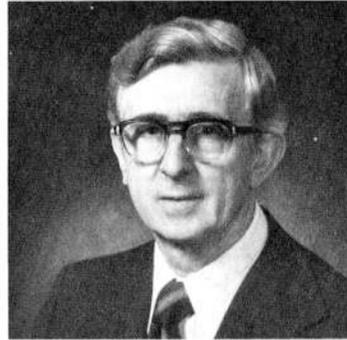
In this issue. . .

Clayton Gheen, left, a Y-12 guard, along with other security personnel, has established himself as one of the "crack shots" in Tennessee. He and five other security persons have been named to the "Governor's 20" group. This is recognition as the top "combat shooters" in the state. The story is on page 7.

Other features in this issue:

- Promotions..... page 3
- Question Box..... page 4
- Circus tickets discount..... page 5
- ORNL blood drive..... page 6
- Dr. Lincoln..... page 8

about people...



Johnson

0658-79



From left, Gerald M. Slaughter and Robert J. Gray, Metals and Ceramics Division, receive a DOE "Certificate of Appreciation" from Herman Postma, ORNL director.

Robert J. Gray and Gerald M. Slaughter, both of ORNL's Metals and Ceramics Division, have received "Certificates of Appreciation" from DOE for their participation in the investigation of the September 21, 1978, explosion and fire at the West Hackberry, La., Strategic Petroleum Reserve. At the request of DOE's Accident Investigation Committee, Gray and Slaughter provided metallurgical assistance in the investigation of part of the wellhead assembly and brine pipe associated with the fire, explosion and oil spill that disrupted operations of the petroleum storage facility.

In the certificate, they were cited for their "excellent performance and the high professional quality of their participation." Gray is head of M&C's metallographic services, and Slaughter is head of the engineering materials section.

Stanley I. Auerbach, director of ORNL's Environmental Sciences Division, is a juror for the 13th annual Chief of Engineers Design and Environmental Awards Program. The program recognizes excellence in design and environmental achievement related to structures completed and areas developed by the Corps of Engineers and its contractors. Auerbach is one of three judges for the environmental competition which is included in the program this year for the first time. Award winners will be announced during Engineers' Week in February.

Noah R. Johnson, a nuclear chemist in ORNL's Chemistry Division, has been elected a Fellow of the American Physical Society for his work in nuclear spectroscopy from heavy ion induced reactions. A Union Carbide employee since 1956, he received both Guggenheim and Fullbright Foundation Fellowships in 1962 to the Nielsbohr Institute in Copenhagen, Denmark.

David E. Reichle, associate director of the ORNL Environmental Sciences Division, has been appointed to a two-year term on the National Science Foundation's Advisory Subcommittee for the Applied Physical, Mathematical and Biological Section of the Division of Applied Research. The subcommittee reviews "competitive" proposals on applied problem areas that are submitted by the scientific and engineering communities, and makes recommendations to NSF on their relative priority for support.



ONE-DAY RETIREMENT—The day after he retired as a chemical engineer at ORNL in 1975, Bart B. Klima reported for duty as an instructor at Roane State Community College. 'I was always a frustrated teacher—but never could afford it, with four boys in college,' Klima said. In 1977, he became an assistant professor at RSCC. Above, he counsels with Arnetta Parham, who is on a leave of absence from the Y-12 Plant. 'We need engineers and others who are bored with the idle life to help educate these students,' Klima added, 'I can vouch for the fact that it is an interesting second occupation and that the students are interested in our accomplishments and experiences.'

Retirees' club activities

Random notes from the Union Carbide Retiree Association set the initial membership in excess of 300, and the mail still keeps pouring in. The Association has decided to organize a "community service" committee to give volunteer aid in the upcoming blood drives at the plants.

Travel and reunions still head up the preferences for activities. Only 10 members have shown up from out-

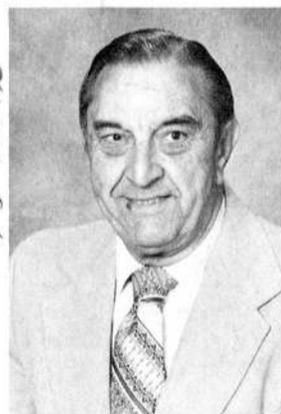
of-state; surely there must be more Nuclear Division retirees sunning in Florida, or freezing to death in Michigan! The fact that you live away from Oak Ridge or Paducah does in no way disqualify you from membership.

Membership cards are being designed and will be issued as soon as they are printed.

Meanwhile, plans for the June 8 picnic continue, as a planning party is set soon. Details will follow.

Enjoying the leisure life...

0844-73



Robert T. Cantrell
Y-12 Benefit Plans
35 years service

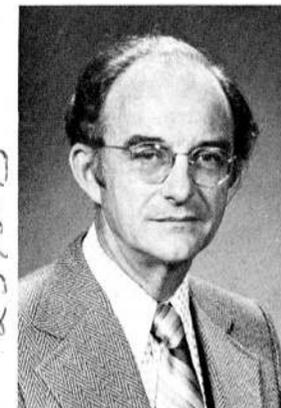
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Arthur D. Horton
Analytical Chemistry
ORNL
30 years service

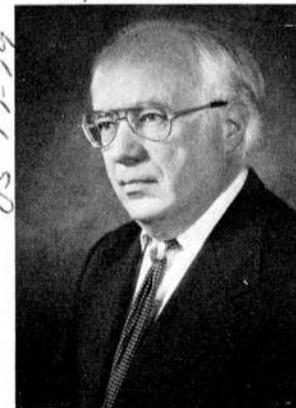


Carl L. Johnson
ORGDP Security
26 years service

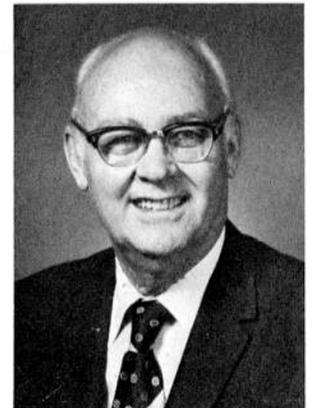


Bruce H. Ketelle
Chemistry
ORNL
35 years service

2375-73



Henry W. Morgan
ORNL, Physics
33 years service



Richard W. Ulm
ORGDP Engineering
34 years service

safety scoreboard

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

Paducah	187 Days	2,312.00 Employee-Hours
ORGDP	64 Days	2,078,556 Employee-Hours
Y-12 Plant	318 Days	9,587,000 Employee-Hours
ORNL	128 Days	2,906,107 Employee-Hours

anniversaries. . .

ORGDP

35 YEARS

Martin S. Ginsburg, Operations Analysis; and Karl O. Johnson Jr., Maintenance Division.

25 YEARS

Raymond O. Davis.

Y-12 PLANT

35 YEARS

Alvie H. Gough, Utilities Administration; and William A. Pfeiler, Development Division.

25 YEARS

Ivan D. Gilley, George T. Pyle, Lawrence L. Ellis, John W. Nicely, William F. Griffith, David C. Martin, Alvin E. Parson and Virgil H. Smallen.

20 YEARS

Kenneth W. Jennings, Walter L. Easterday, Donald E. Perkins, Willis D. Davis and Jean P. Parker.

ORNL

25 YEARS

Charles M. Ferguson, Maxwell S. Montgomery, Robert W. Peelle, Rush M. Hamley, Alvin C. Jenkins and Warren B. Parsley.

Division deaths. . .



Mr. Ballenger



Mrs. Melson

H. Franklyn Ballenger, Technical Information Services in Y-12, died in Knoxville February 7. He lived at 5726 Davida Drive, Knoxville.

He joined Union Carbide in 1951 after teaching chemistry at the University of Tennessee. He also taught at the Army Air Force Base and worked as a physicist at Lawrence Radiation Laboratory.

Survivors include his wife, Mary House Ballenger; daughter, Barbara Hawkins; sons, Kenneth and Timothy; a brother, Kenneth; and seven grandchildren.

Memorial services were held at Inskip Baptist Church, and the remains were cremated. The family wishes memorials to be in the form of gifts to the Inskip Baptist Church Organ Fund.

Bertha Mai Melson, Y-12 Development Division, died February 9, in the Fairfax (Va.) Hospital.

A native of Shelbyville, she joined Union Carbide in 1944.

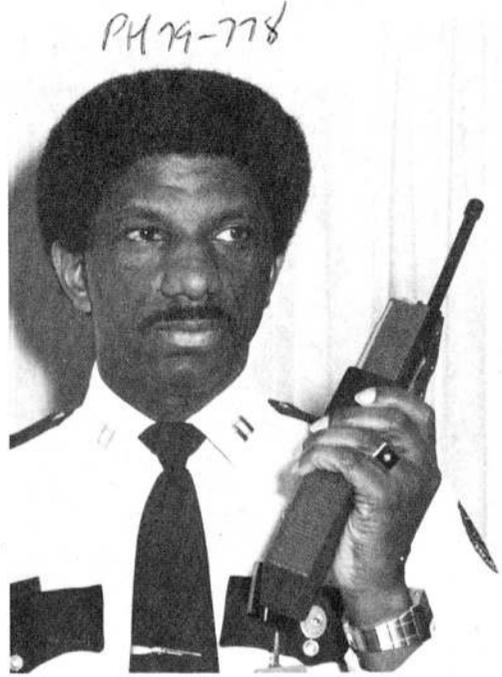
She is survived by her daughter, Rosa Lee Lamb; two grandchildren; sisters, Margaret Melson and Earline Lamb; and brother, William.

Funeral services were held at the Rose Chapel, Knoxville, with burial in Tennessee Valley Memory Gardens.

patents granted. . .

To Jimmy T. Bell, Horace A. Friedman and Lewis M. Toth, all of ORNL, for "Method for Selectively Reducing Plutonium Values by a Photochemical Process."

Nuclear Division appointments. . .



Thompson



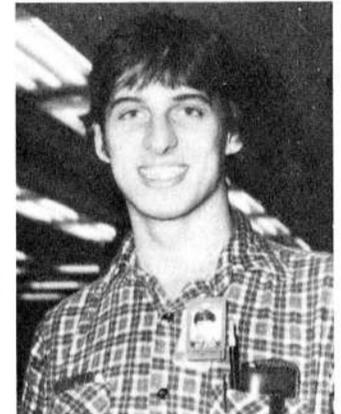
Hunnicutt



Bazzell



Dassing



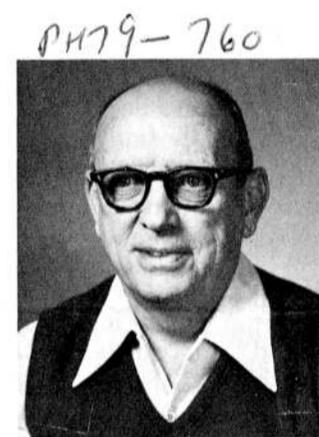
White



Crowder



Lambdin



McNeely



Rogers

Nine promotions have been announced in the Nuclear Division. At ORGDP, Verner R. McNeely has been made a maintenance supervisor in the Maintenance Division and Samuel A. Thompson has been promoted to a captain in the Fire and Guard Department. At Y-12, H. Edward Crowder has been named a container engineering supervisor in Product Engineering and Scheduling; Edwin M. Hunnicutt has been made an expediting foreman in Fabrication; and Jerry Lambdin has been promoted to a laboratory supervisor in the Medical Department. At the Paducah plant four promotions were announced: Edward J. Bazzell to construction engineer, Tom Rogers Jr. to designer staff engineer, and Ansyon D. Dassing and James D. White to senior inspectors.

McNeely first joined ORGDP 17 years ago. The Boone County, W. Va., native and his wife, Irene, live at 121 West Lincoln Road, Oak Ridge. They have two children, Eleanor and Verner Jr.

Thompson, a native of Sweetwater, has been with the Nuclear Division 12 years. He lives at 206 Elmhurst Drive, Oak Ridge.

Crowder, a native of Maryville, worked with McDonald Douglas Aircraft before joining Union Carbide in 1969. He and his wife, Barbara, live at Route 7, Scenic Drive Clinton. They have a son, Eddie Jr.

Lambdin was born in Anderson County, and attended Tennessee Technological University and the University of Tennessee. He joined Union Carbide in 1953, and is a certified industrial hygiene technologist. He lives at Route 1, Clinton, and has a daughter, Jamie.

Hunnicutt was born in Greenville, S.C., and joined Y-12 in 1943. He and his wife, Mildred, live at 321 Pennsylvania Avenue, Oak Ridge.

Bazzell is a native of Akron, Ohio, and was formerly with A. J. Orlando Contracting and the Kentucky Highway Department. He is a Certified Senior Engineering Technician, a licensed land surveyor of Rhode Island and a member of the Institute for the Certification of Engineering Technicians. He joined Union Carbide in 1968. He and his wife, Hilda, live at Route 2, Mayfield. They have four children, William, Diane, Gregory and Jackie.

Dassing joined Union Carbide in 1978. He is a native of Metropolis, Ill., and now lives in Brookport. He and his wife, Marcia, have a son, Damon.

Rogers is a 10-year veteran of Union Carbide, and studied metallurgy at the U.S. Naval School and worked with Shell Oil prior to that time. He is a native of Mayfield and serves as a vice president of the Committee for Drafting and Engineering Curriculum for West Kentucky Vocational Education. His wife, Betty, is in Paducah's Cascade Operations Division. They live on

Route 2, Boaz, and have a daughter, Patricia.

White joined Union Carbide in 1976, and was formerly a parts representative and machine operator in various businesses in the Paducah area. He is a native of Paducah, and lives with his wife, Kimerlyn, at Route 2, Kevil.

Chem Tech dance

The Chemical Technology Division's 29th annual St. Patrick's Day Dance will be held March 23, at the Knights of Columbus Hall on Idlewood Lane in West Knoxville. The social hour begins at 8 p.m., and the White Brothers Band will play a variety of music from 9 p.m. until 1 a.m.

Tickets are available to Division employees at \$6 each and may be purchased from each section's secretary. For further ticket or table reservation information, please call Lisa Dearen at 4-6600 or Brad Patton at 6-0603.

question box. . .

If you have questions on company policy, write the editor, **Nuclear Division News** (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

Supervisory 'privileges'?

QUESTION: Do supervisors get special privileges? One in our department on the day shift drives a government car to the parking lot to wait for his wife (she works the second shift). He sometimes occupies a parking space for 30 to 45 minutes so he can drive her to her working area.

ANSWER: The situation you describe is one which certainly should not be permitted. Government vehicles are to be used for official business only. You should report this situation to your supervisor or the appropriate division manager.

Alcohol in plants?

QUESTION: Is it not against company procedures to bring alcohol into the plants? Why then is it permissible to put it in the punch at some of the in-plant Christmas parties?

ANSWER: As stated in the employee booklet, **You at Union Carbide**, it is against company policy and rules to bring into the plant, possess, consume or to be under the influence of intoxicants while on company premises. Violation of these rules is basis for disciplinary action, including termination of employment. If alcohol is being used at any in-plant function, you should report your knowledge of it to your supervisor or to the appropriate division manager.

Cafeteria conference room

QUESTION: Several times last summer I noticed the back dining area of the Y-12 cafeteria reserved before 12:30 p.m. This makes for a very crowded condition in the main dining area. Is the room supposed to be reserved before 12:30 p.m.?

ANSWER: Sometimes it is necessary that the back dining room be

reserved for special groups prior to 12:30 p.m. This past summer it was also closed several times due to problems with the air-conditioning system. There is generally sufficient seating in the main dining room.

Sub-standard ladders

QUESTION: What disposition is made of ladders that fail to meet OSHA standards? I see better ladders discarded than are available in the retail markets.

ANSWER: New ladders received in Stores are inspected to assure compliance with required standards. Ladders which do not comply with the standards are returned to the vendor.

In-service ladders are inspected periodically. Defective ladders are tagged out of service and reported to the appropriate supervisor. The supervisor either sends the defective ladder to the Carpenter Shop for repair or has the ladder destroyed and disposed of as waste.

Special privileges?

QUESTION: Does being a committeeperson earn special privileges? One at 1004-Q has his own phone, coffee pot, microwave oven, etc.—very near a lunchroom where 50 to 100 people eat that have no access to any of these.

ANSWER: The Instrument Shop located near 1004-Q has a PAX telephone which can be utilized by all employees in the Shop, including the committeeperson. There is a small coffee pot in the Shop, similar to that found in many other work locations at ORGDP. There is no microwave oven in the Shop but from time to time there may be one there for repair, such as happened recently. Thus the committeeperson is only sharing in normal facilities available to all others working in the same location.

wanted. . .

Y-12 PLANT

CAR POOL MEMBERS from Blount County to Central or East Portals, 7:30 a.m. to 4 p.m. Gary Russell, plant phone 4-2565; home phone in Maryville 983-4812.

ORGDP

CAR POOL MEMBERS from Louisiana Avenue, Robertsville Road area, Oak Ridge, to K-1001 or K-1007, straight days. Bob Carter, 4-8699; Marlin Dill, 4-9768; or George Marshall, 6-0580.

RIDE from Ball Road, West Knox County, D Shift, Portal 5. Jack McKinney, plant phone 4-1301, home phone 690-1888.

CAR POOL from South Knoxville, B Shift, Portal 7. Parker Ragain, plant phone 4-8736, home phone 573-8885.

ORNL

JOIN or FORM CAR POOL from Clinton, via Edgemoor Road, to East Portal, 8-4:30. Linda Maddox, plant phone 4-5448, home phone 457-5162.

CAR POOL MEMBERS from Carnegie and Colby Streets area, Oak Ridge, to East Portal, 8-5. Leon Klatt, plant phone 4-4919, home phone 483-5004.

CAR POOL MEMBER from Westhaven Subdivision, Knoxville, to East or West Portal, 8-4:30. Boyd Lynch, plant phone 4-5986, home phone 524-5729.

RIDE from vicinity of West Vanderbilt Drive and Oak Ridge Turnpike (across from Jefferson Tennis Courts) to East Portal, straight days. C. A. Clark, plant phone 4-4854.

RIDERS for NEW VAN POOL from West Knoxville area to any portal, 8-4:30. Dean Treadway, plant phone 4-6580, home phone 584-4879.

Recreation potpourri. . .



Better known as 'Hot Cells'

Tours available Saturdays, weekdays

Editor's Note—Many questions have been asked about the Nuclear Division's Public Relations tour programs. The following article describes the two available programs (weekday and Saturday), who is eligible to tour, whom to contact to arrange a tour and what might be seen during a visit. Since special permission must be obtained to tour PGDP, ORGDP and the Y-12 Plant, tour emphasis usually is placed on ORNL and the ORNL divisions at Y-12. The Graphite Reactor and ORGDP Visitors' Overlook are open to the public without prior reservation.

Of particular interest to area visitors is the Saturday Educational Tour Program, conducted jointly by the Public Relations Department and the American Museum of Science and Energy. In 1978 more than 2,400 persons, aged 12 years to adult, participated in this program.

Saturday tour visitors will see: the Graphite Reactor (whose parking lot is the assembly point for the tour), the Oak Ridge Research Reactor, the High Radiation Level Examination Laboratory (better known as "Hot Cells"), an isotopes briefing in Building 3047 and "Challenges of Our Time," a 30-minute videotape overview of the Nuclear Division. The 2½-hour ORNL tour usually is either preceded or followed by a Museum

Relations Department for college-aged persons or those older. Karen Cromer is the tour coordinator for weekday visits; her extension is 4-4163.

Weekday visits

Weekday visits are "tailored" to coincide with the interests of the groups. For example, environmentalists probably would see samplings from the Biology and Environmental Sciences Divisions and usually an operating reactor; whereas, a physics class would tour the Oak Ridge Isochronous Cyclotron (or another accelerator), a reactor and a hot cell. In addition, each group might receive a briefing from a researcher, who is usually a member of the Nuclear Division Speakers' Bureau, or view "Challenges of Our Time."

Although more than 30 areas are visited on a regular (weekly) to semi-regular (monthly to quarterly) basis, the following areas see most of the visitor traffic: High Flux Isotope Reactor, Aquatic Ecology Laboratory, Fusion Energy Division, Transuranium Processing Facility, High Radiation Level Examination Laboratory, Holifield Heavy Ion Research Facility and Van De Graaff Accelerator.

Talks at HFIR—the most frequently visited facility—are usually given by a

(Please see page 6)

Guides for the Saturday program are area high school science teachers, who work on a consulting basis.

During the week, tours can be arranged through the Public

Road Runner contest at park March 31

A Road Runner contest is set for the Clark Center Recreation Park Saturday, March 31. Check-in starting time is 9:30 a.m., with the race getting underway at 10. This is an event for experienced runners only. Only those who have run in training a minimum of 10-15 miles per week for at least three months should participate.

Medals will be presented to the first, second and third place finishers in each age division for men and women: Under 29, 30-39, 40-49, 50-59 and over 60. The winning team will be presented a trophy. Tee shirts will be awarded to the first 100 who finish. For information, call Recreation, 4-1597.

Road Run Entry Form

Name: _____ Age: _____

Work Location: _____ Phone: _____

Home Address: _____

Team Name: _____

Please fill out completely and return to the Recreation Office, Building 9711-5, MS-001, Y-12, before March 28.



Carbide bowling



Culton



Griffies



Ladd



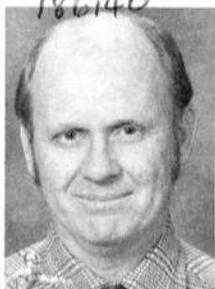
Letellier



McGhee



Rogers



Shular



Simmons

Les Shular and Louise Simmons took top honors in the All-Carbide Mixed Bowling Tournament that rolled to a halt February 11th. Shular from the Y-12 Classic League rolled a 1937-handicap All-Events score for men to receive the handicap trophy. Simmons from the ORGDP Women's League rolled a high 1914 handicap

score to win the All-Events for women.

Scratch All-Events trophies were awarded to Bill Ladd and Mickey Rogers. Rogers rolled a 1680-scratch score, while Ladd had a 1736 scratch to win the high scratch All-Events trophy.

Shular took the top honors in the Men's Singles event, rolling a 694-handicap series. He won the high handicap trophy plus the top money. Wayne McGhee won second place money and the scratch trophy rolling a 619/682 series.

Gail Culton from the UCC Mixed League rolled a 687 handicap series to win the Women's Singles event. She also won the high handicap trophy along with first place money. Edith Baxter won second with a 686 and rolled her first 600 series in the tournament. Elaine Griffies won the scratch trophy with a 608.

More to come next issue on doubles and team results.

Paducah basketball

The United Methodist Church gym in Paducah is being rented each Friday from 5 to 7 p.m. Those who wish to utilize this time for recreational basketball are asked to come to the Personnel Department for an identification card, which will be needed to use the gym. This action has been taken because of the presence of non-Carbide employees at the gym during these hours.

Once again Ringling Bros. and Barnum & Bailey Circus is coming to the Knoxville Civic Coliseum with all the vim and vigor of previous years and more! Featured this year is the "First Flying Family of the Air"—The Flying Gaonas where Tito Gaona will perform a triple somersault blindfolded. Also featured will be Jewel New from Jackson, Tenn., outwitting the giant cats in a series of maneuvers that are not part of any lion's repertoire anywhere!

Again Union Carbide employees will receive a discount on tickets for

the 1979 engagement, available for the 8:15 p.m. March 21 performance and the 4:15 p.m. performances for March 22 and 23. An application for tickets appears with this issue.

Tickets must be ordered no later than March 11. All applications must include a check or money order to Ringling Bros. and Barnum & Bailey Circus and a self-addressed envelope so that a prompt return of tickets may be made. If you wish to choose your seats or personally pick up your tickets call Knoxville 525-7393 and make arrangements.

Union Carbide Circus discount tickets



Mail to:
 Ringling Bros., Barnum & Bailey Circus
 Knoxville Civic Coliseum
 P.O. Box 2603
 Knoxville, Tennessee 37901
 Prices: \$6.50 and \$5.50
 Deduct \$2.00 for each ticket

Number of tickets _____ ea. \$ _____

(Please indicate 1st and 2nd choices)

Wed., Mar. 21-8:15 p.m. _____
 Thurs., Mar. 22 - 4:15 p.m. _____
 Fri., Mar. 23 - 4:15 p.m. _____

Name _____

Address _____

Day telephone _____

Do not mail cash. Make check or money order payable to Ringling Bros. Circus. Please enclose stamped self-addressed envelope for return of tickets. Deadline is March 11.

ORNL's second blood drive set at Fire Hall March 7, 8

ORNL's second blood drive is set for March 7 and 8 between the hours of 9 a.m. and 3 p.m. The site is the Fire Hall (Building 2500) in the west end of the plant.

Chairman Grover C. Cain, along with co-chairman Norman L. Beeler, has announced the following chairmen for each division who will coordinate appointments and solicit donors:

Division	Chairman	Telephone
Analytical Chemistry	George R. Wilson	4-4891
Chemical Technology	John B. Ruch	4-6140
Computer Sciences	Nancy A. Betz	4-5418
Central Management	Grover C. Cain	4-6606
Employee Relations	Jim Holloway	4-4442
Energy	Bob DeVault	4-5954
Engineering	Harold Hartman	4-6519
Environmental Sciences	Marvin Shanks	6-2372
Finance & Materials	Gus Testerman	4-6075
Health	Walter Porter	4-6164
Health and Safety Research	David V. Wood	4-6229
Industrial Safety	Denton Gary	4-6678
Information	Joe Rich	4-6954
Laboratory Protection	Robert Atchley	4-6277
Instrumentation and Controls	Richard Crowell	4-5593
Metals and Ceramics	William Miller Rodney Knight	4-5171 4-4354
MIT School of Engineering	Selim Senkan	4-7189
Operations	John Miller	4-7111
Physics	Ronald Auble	4-4689
Plant and Equipment	Ray Winget	4-4303
Quality Assurance and Inspection	Jerry Holbrook	4-7247
Solid State	Joe Setaro	4-5903

A total of 474 donors gave blood last August at ORNL's first attempt at an in-plant drive. More than 300 of these donors were first-timers!

While no tangible goal has been established for the March drives, Chairman Cain said they hoped to surpass the August figures. "Many of the deferrals were of a permanent nature, and these donors know not to volunteer again," he added. Factors determining permanent deferral include a history of hepatitis, cancer, heart condition, and other physical impairments. High blood pressure will also defer a donor. Prospective donors must weigh at least 110 pounds, and several women volunteered in August that did not meet the minimum weight requirements.

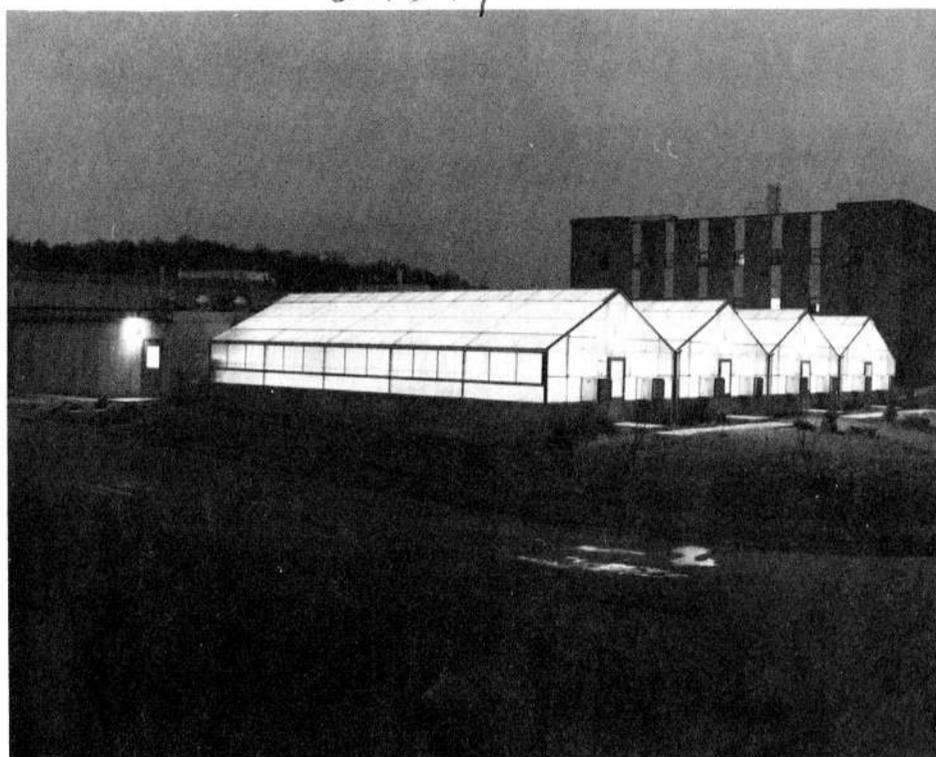


People need people. . .

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
November 78	15.3597	35.5826	8.2480
December 78	15.4728	34.6959	8.4098
January 79	15.5878	36.0543	8.7144

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.1% for 1979. Union Carbide stock values are the average cost of stock purchased during the month plus brokerage charges. 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.



NIGHTTIME VIEW—This Controlled Environment and Animal Building (foreground) is part of the \$8.5 million Environmental Sciences Laboratory complex which will be dedicated February 26-27. The building contains four greenhouses, a growth chamber room, a toxicity test room, a coal research room and several animal study rooms.

Environmental Sciences Laboratory dedication slated for February 26, 27

ORNL's new Environmental Sciences Laboratory will be formally dedicated during a day-and-a-half program February 26-27.

Ruth C. Clusen, DOE assistant secretary for Environment, will keynote the dedication ceremonies which begin at 9 a.m. on Monday in the Daniel J. Nelson Memorial Auditorium of the new building. (This will be her first visit to Oak Ridge since taking office in September 1978.)

Clusen will be joined by representatives of other federal agencies, including the National

Science Foundation, the Environmental Protection Agency and the Tennessee Valley Authority, that sponsor or cooperate in the Laboratory's programs of energy-related basic and applied environmental research.

Dedication of the new facilities will be followed by a special program on "Perspectives in Ecology," during which eight academic specialists will address the status of various ecological disciplines and their contributions to the assessment of energy and related environmental impacts.

Division tours

(Continued from page 4)

Public Relations staff member. At the other locations, technical staff members address groups on a rotating basis. Some facilities, depending on size, have as few as three "speakers," while at a large project like Holifield, more than 20 persons take turns briefing visitors.

Of the 223 weekday groups that visited last year, approximately one-third were from universities, community colleges or vocational-technical schools; 43 groups were press and media visitors; DOE and other governmental visitors accounted for 24 groups; while Nuclear Division-sponsored conferences accounted for another eight. A large segment, 49, fell into a miscellaneous category, ranging from foreign dignitaries, to Union Carbide corporate officials, church groups such as the "Holston Conference Convocation on Energy and the Environment," and employee orientation tours.

During the summer months, a rather prominent group of "visitors" is that of ORNL summer employees. Five orientation tours are conducted for the more than 230 participants in the Laboratory's summer programs. Among these programs, administered by the Employee Relations Division, are the Youth

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Opportunity Program, ORNL Summer Research Program, Co-Op, Summer Administrative Support and the ORAU Faculty Participation Program. These summer employees often represent a potential supply of future Nuclear Division employees.

Six security staffers qualify for 'Governor's 20'

PH 79-631

The Nuclear Division's plant protection personnel are establishing themselves as some of the best "combat shooters" in Tennessee. Each year the "Governor's 20" recognizes the top 20 "combat shooters" among Tennessee law enforcement officials. Only one Nuclear Division member, Robert D. Allen of ORGDP, qualified in 1976. In 1977, Allen repeated and was joined for the first time by Terra K. Townsend, also of ORGDP. They repeated in 1978 and were joined by four more Nuclear Division plant protection personnel. The new members are Doug Nelson of ORGDP, Larry S. Key and Clayton Gheen of Y-12 and L. David Jackson of ORNL. The six are members of "Carbide Blue," a team representing Nuclear Division guards in various shooting matches.

For those who qualified for top state honors, it meant long hours of practice and participating in various tournaments. In order to qualify, each member had to submit five top scores from different tournaments in 1978. The scores were certified by the National Rifle Association. As members of the "Governor's 20," all six are eligible to participate in the "President's 100" and shoot in national competition.

Allen, a native of Sevier County, joined the Nuclear Division four years ago. He and his wife, Sandra, live on Ridgeview Drive, Clinton, with their daughters, Nancy and Melynda.

Townsend, a native of Roane County, was first employed as a clerical worker at ORGDP in 1969. She lives in Kingston.

Nelson joined ORGDP four years ago. The Knoxville native and his wife, Carol, live at 128 Nevada Circle, Oak Ridge, with their daughter, Angela.

Jackson, a security inspector with the Fire and Guard Department, has been a member of the Laboratory Protection Division since joining ORNL in 1973. He was a graduate of the Tennessee Law Enforcement Training Academy in Donelson. Before coming to Carbide, he worked with the Harriman Police Department

and with the Roane County Sheriff's Department.

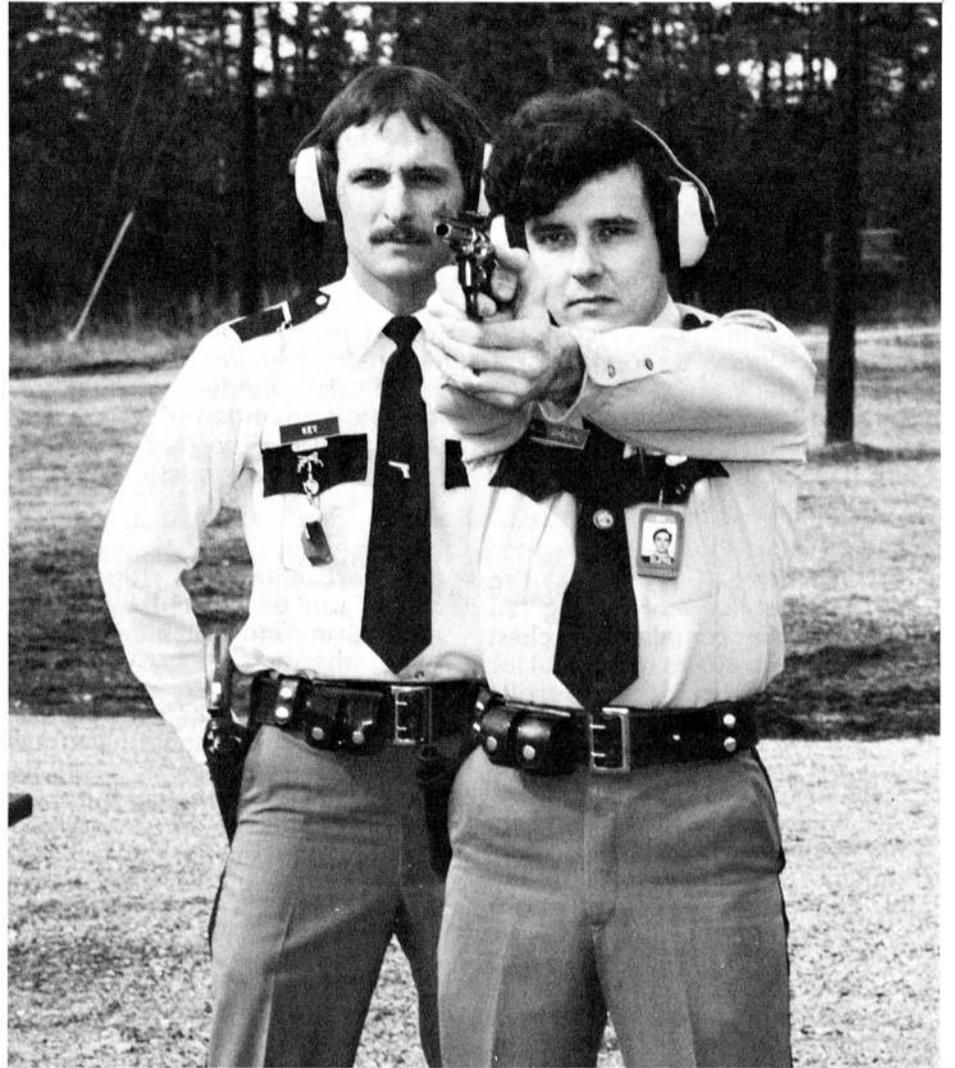
A native of Roane County, he and his wife, Betty, live in Ten Mile with their daughters, Rhonda and Cindy.

Key served with the Knoxville Police Department and in the U.S. Marine Corps before joining Union Carbide in 1977. He attended the Knoxville Police Academy for more than 700 hours.

He and his wife, Joyce, live at Route 2, Vista Drive, Knoxville. She is in Y-12's Security Department.

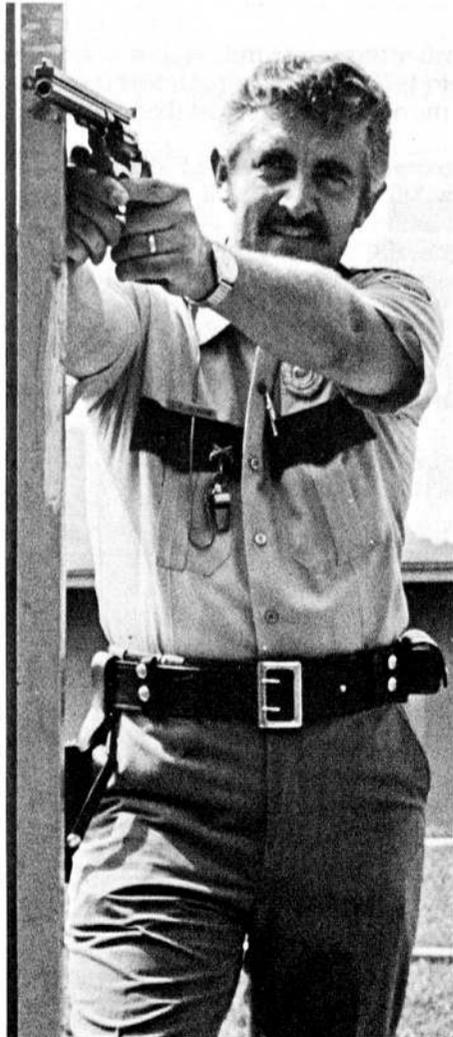
Gheen, a native of Knoxville, served in the U.S. Army and attended the Training and Technology project in Y-12 before joining Union Carbide in 1976. He also attended the Tennessee Law Enforcement Training Academy.

He and his wife, Tanya, live at 6036 Pleasant Ridge Road, Knoxville.



Key and Gheen, Y-12

PH 79-632



Jackson, ORNL



Allen, Townsend and Nelson, ORGDP



Medicine Chest

Chest pains and common sense

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: "What is the company's policy concerning an employee who complains of chest pains but refuses to go to medical for assistance? It seems that in cases like this, management should insist that the employee seek prompt medical attention."

ANSWER: I am grateful for help from the Nuclear Division medical directors in responding to this difficult question. The direct answer to the question is easy. There is no specific company policy which covers this subject. The proper answer is much more complicated because there are many causes of chest pain, some serious, some not so serious. When the cause of chest pain is serious, and the employee works in a job where a sudden loss of consciousness or an inability to perform the work safely could endanger fellow workers' safety, then action may be justified which would not be justified under other circumstances.

'Unfair to complain and then not respond to help or advice.'

When the chest pain is severe, there is seldom any difficulty in getting a person to see a physician. There may be a desire to go to one's own physician at home, but the hazard of delay is so great that getting the patient to stop by the plant medical department is seldom a problem.

Where the difficulty arises is when a worker complains about chest pain to his or her fellow workers or supervisor and then refuses to seek medical advice. Of course, it is grossly unfair to complain and then not respond to the sincere help or advice offered. Nevertheless, it occasionally happens.

If the worker refuses to go to medical, does not appear in serious distress, does not endanger his or her fellow workers and is able to continue working, nothing much can be done. Supposedly we are adults and, as such, are responsible for our own acts.

If the employee's sudden disability could be a hazard to fellow workers or could endanger property, then a supervisor has the prerogative to take the worker off the job until he or she is satisfied that it is safe for the employee to continue working. It is reasonable to require assurance from a physician that there is no major imminent safety threat.

Unfortunately, serious heart attacks can be heralded by nothing more than "indigestion" pain or a vague shortness of breath and an "uneasy" feeling in the chest. It is far better to be safe than sorry. Many fatal heart attacks could have been prevented if the patient had just sought advice when the chest pain first appeared. The one or two hours of indecision can be fatal. Prompt action can mean hospitalization and an uneventful recovery.

Other than in a hospital or a physician's office, the plant is probably the best place to have a heart attack. Emergency care is generally available faster than if an attack occurred at home.

'Many fatal heart attacks could have been prevented with prompt action.'

Even though there are many insignificant causes of chest pain, it is not a symptom which should be taken lightly. A squeezing type pain located behind the breast bone with a sensation of shortness of breath should always be regarded seriously. Pain originating in the same general location with radiation up into the neck or into the left shoulder or arm is also highly suggestive of angina pectoris (heart pain). When the pain comes on with exercise, excitement, a meal or a blast of cold air and subsides with rest, angina pectoris must be suspected.

'Waiting until patient is in serious trouble makes no sense at all.'

The medical departments can be much more effective if they get a patient for evaluation of chest pain early in the course of his or her symptoms. Waiting until he or she is in serious trouble makes no sense.

Everyone should also remember that some cases of chest pain have an obvious cause that is not dangerous. There is no need for everyone to run to the medical department with the slightest discomfort. Common sense is necessary.

ORNL

CAR POOL from Riverbend Estates, Kingston, to North or East Portal, 8-4:30. Joe DeVore, home phone 376-4061, plant phone 4-7092 or 4-6990.



THUMBS-UP APPROVAL—Amy Taylor found that the best way to express her opinion of the Paducah employees' annual credit union meeting was a "thumbs-up" approval. The credit union's annual report provided a temporary diversion, but not quite enough to turn the thumb down. Amy is the daughter of Mr. and Mrs. Ron Taylor, Metropolis. Taylor works in the plant's Power, Utilities and Chemicals Division.

Paducah credit union's assets surpass \$6 million

The C-Plant Federal Credit Union (the official name for Paducah's credit organization) held its annual meeting recently to review the year's activities.

In the past 10 years, the C-Plant credit group's assets have increased from \$1.7 million to more than 6.8 million. Four quarterly dividends were paid in 1978, at a six and one-half percent rate, totaling \$371,378. (This is about 24 percent higher than interest being paid on passbook type accounts in area banks and savings and loan associations).

The directors approved a 15 percent interest refund to members who borrowed money from the credit union in 1978. The low initial interest rate plus the refund allowed members to borrow money at a lesser cost than they would have experienced elsewhere.

During the year, 3,088 loans or approximately 96 percent of all applications were approved. Total loans increased by \$879,000. Much of this increase was due to the demand for FHA home improvement loans.

The 3,622 members of the C-Plant Federal Credit Union have more than \$6 million in savings, with an average savings balance of \$1,721 per member.



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