



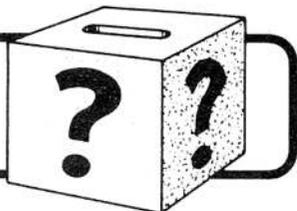
NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 5 - No. 17

September 5, 1974

QUESTION BOX



If you have questions on company policies, benefits, etc. or any other problems with which we might help, just let us know. Drop your inquiry to the Editor, Nuclear Division News. (Or telephone it in to your plant news representative.) You may or may not sign your name. It will not be used in the paper.

Questions are referred to the proper authorities for accurate answers. Each query is given serious consideration for publication.

Answers may be given to employees personally if they so desire.

QUESTION: What retirement benefits are provided for employees between the ages of 55 and 60 who do not have 35 years of Company service? An answer in the Nuclear Division News previously stated that the benefits had been improved, but how? I realize that an employee may retire with full benefits at age 55 if he had 35 years of service, and at 60 with 30 years of service. What if he wants to retire at age 57 with 33 years of service?

ANSWER: If retirement occurs on or after age 55, but before you qualify for a full Pension benefit, the monthly pension check will be actuarially reduced based on age and Company service. The reduction is calculated from the age at which you would first be eligible for a full benefit. The reduction factors are 6-2/3% for each of the first three years and 5% for each year thereafter.

For example, if you retire at age 57 with 33 years' service, you would have been eligible for a full pension at age 59 with 35 years' service if you had continued working. Your reduction, therefore, is from age 59 to age 57 or 13-1/3%, and you would receive 86-2/3% of your full pension calculation.

If you had been age 57 with 24 years' service, you would have been eligible for a full pension at age 62, and the reduction would be from age 62 to age 57 or 30%.

Incidentally, in addition to age 55 with 35 years' service, full pension benefits are payable at 56-35; 57-35; 58-35; 59-35; 60-30; 61-30; 62-10, etc.

QUESTION: Why not have a sign for each portal on the main road indicating the name of the portal?

I have found it extremely difficult to direct strangers to West Portal with no name posted. The reason for the question is recently we were trying to direct a fellow-employee's wife from Knoxville to West Portal to pick him up due to illness.

ANSWER: Your suggestion is a good one. Perhaps you have noticed that the existing Bear Creek Road signs are sturdy, overhanging ones designed for permanency, visibility and safety.

Similar signs have been planned for many months for other portals but have been delayed by engineering priorities in preparing related drawings. We hope to install new signs in the near future.

QUESTION: A small group of shift workers keep the Y-12 Plant operating approximately 15 hours each day without the help of all the people who work straight days.

My question is: Why must the shift worker be expected to attend meetings that are set up without any regard for a shift worker? A good example is the results of the attitude survey. The shift workers who are on the 11-7 shift are expected to get up and attend this meeting and the people who are scheduled off are expected to attend. It's these sort of problems that make the attitudes what they are in the plant.

ANSWER: Perhaps we have not been as considerate as we should have been in scheduling attendance at meetings by night shift workers and those who are on their scheduled day off. Your criticism will be taken into consideration in the future.

There are occasions when, for the purpose of full understanding and participation, it is necessary to have joint meetings of employees on different or all shifts. Maybe there can be some give and take regarding some coming in early vs. others staying over late.

QUESTION: Why will the News continue to list people having 30 years company service who are retired or deceased? I believe a deceased employee was listed recently, and the last issue listed a man who retired December 31, 1973.

ANSWER: You are quite right. Two employees were recently listed in the company service list, one retired and the other deceased. The lists are machine-made at the first of the year, but are checked with each issue of the paper. Through error, these two names were listed.

The editors regret these errors.

(Continued on page 8)

Y-12's safety performance breaking own record daily

The Y-12 Plant has broken its own safety record again, and again set an all-time Union Carbide record! It was in June of this year that the plant passed a

year without a disabling injury for the second time in its more than 30-year history. Prior to that time, only one
156586
(Continued on page 8)



CONGRATULATORY WIRE — Jack M. Case, left, Plant Manager at the Y-12 Plant and Clarence E. Johnson, safety director, read a congratulatory wire received last week from F. Perry Wilson, Chairman of the Board of Union Carbide Corporation, as the plant set a new safety record. "A record such as this is something to take pride in," Case said, "Every Y-12 employee shares in the honor, as it was through their efforts, it was earned."

Carbide official sends wire

"Personally, and on behalf of the entire Union Carbide Corporation, I commend the employees at the Oak Ridge Y-12 Plant for the truly excellent safety record achieved during the last 14 months.

"Two years ago I had the opportunity to extend my congratulations to you when you set an all-time Union Carbide record of more than 13,700,000 hours without a lost-time accident. This year you have eclipsed that record.

"Union Carbide Corporation has always considered safety to be a vital part of its operations. We are particularly pleased that the Corporation received the National Safety Council's Award of Honor for outstanding improvement in safety performance in 1973.

"The Y-12 Plant has once again demonstrated the benefits that can be derived from a positive, continuous effort to make safety a key aspect of all operations.

"No one person can take the credit for this outstanding safety record; rather, all



F. Perry Wilson
Board Chairman
Union Carbide Corporation

employees located at the Y-12 Plant share in this truly significant achievement.

"Again, congratulations for your excellent safety performance."

/s/ F. Perry Wilson

Division boasts 59 certified secretaries!

Editor's Note: Nine Nuclear Division secretaries were recently informed that they had earned the coveted professional secretaries' certification. These nine make a total of 59 CPS secretaries now in the entire division! In the last issue of the News, the four Oak Ridge National Laboratory secretaries were featured. In this issue, the remaining five are shown, three from the Oak Ridge Gaseous Diffusion Plant, and two from the Purchasing Division.

Margaret Russell Childs, a secretary in Barrier Manufacturing, is a native of Roane County. She attended public schools there and business college in Knoxville.

Mrs. Childs joined Union Carbide in 1959 and has worked in Y-12 as well as in ORGDP.

She and her husband, Jesse W. Childs, who is employed in the Finance and Materials Division at ORGDP, live on a farm near Rockwood. They have a small son, Jay.

Norma Nichols Gardner, a native of Lenoir City, has been with Union Carbide 17 years. She is a specification analyst in the Purchasing Division.

Mrs. Gardner and her husband, J. R., live at Route 1, Lenoir City. They have a son, Ronnie.



Margaret R. Childs

Nora D. Johnson, a secretary in the Engineering Division, is a native of Dorsey, Miss. She was employed in Y-12 before coming to ORGDP, and has worked in the insurance department there.

Mrs. Johnson and her husband, William N., live at 109 Loyola Lane, Oak Ridge. They have four children, Tommy, Donna, Kenny and Patty.

Betty White Powell, a native of Roane County, is a secretary in the technical information department of the Laboratory Division.

Prior to joining Union Carbide in 1951, she was employed as a lawyer's secretary in Rockwood. She has attended classes at The University of Tennessee and Roane State Community College.

Her husband, C. Edwin Powell, is in ORGDP's security department. They live at 814 Staples Avenue, Rockwood. They have four children, Janice Anthony, Lawrence, Rebecca and Donna.

Opal Monday Waller, a secretary in the Purchasing Division, was born at Crab Orchard. She has attended classes at UT, and has been associated with Union Carbide for 24 years.

Mrs. Waller has a daughter, Ricky Shapiro. She lives at 253 North Purdue Avenue, Oak Ridge.



Nora D. Johnson

FORMER K-25 EMPLOYEE

Jesse E. McClanahan, who retired from ORGDP's Maintenance and Fabrication Division in 1970, died August 18 in the Oak Ridge Hospital. A native of Columbiana, Ala., he had worked at ORGDP nearly 25 years. He is survived by his wife, Mabel McClanahan; a son, Jesse C. McClanahan; and a brother, James Hightower. Funeral services were held at Mt. Zion Baptist Church, with burial in Oak Ridge Memorial Gardens.

Anyone who looks for the good can always find much for which to be grateful, or he can dwell on the present evil and wreck his composure... There is always an answer for every problem... Louise W. Eggleston



Betty W. Powell



Norma N. Gardner



Opal M. Waller

NUCLEAR DIVISION NEWS



Published twice-monthly for

The Employees Of
UNION CARBIDE CORPORATION
NUCLEAR DIVISION

James A. Young, Editor, Y-12

Ext. 3-7100

Ruby Miller, Assoc. Editor, ORNL

Ext. 3-6421

Keith Bryant, Paducah

Bell369

Doug Carter, ORGDP

Ext. 3-3434

—Member—

APPALACHIAN INDUSTRIAL
EDITORS' ASSOCIATION
INTERNATIONAL ASSOCIATION OF
BUSINESS COMMUNICATORS

Office

Post Office Box Y

Oak Ridge, Tenn. 37830

NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through August 28:

Paducah	28 Days	133,000 Man-Hours
ORNL	74 Days	1,264,000 Man-Hours
ORGDP	175 Days	3,104,000 Man-Hours
Y-12	442 Days	13,889,000 Man-Hours



George W. Evans

George Evans heads United Way campaign

George W. Evans, Shift Superintendents and Utilities Division Superintendent in the Y-12 Plant, will coordinate United Way campaign efforts for the three Oak Ridge Plants this year.

Evans, born in Overton County, was educated in the school systems in Cumberland County. He served in the U. S. Army during World War II, and was employed briefly with Hercules Powder Company before coming to Y-12 in 1944.

He has worked in several divisions in Y-12, in jobs of increasing responsibility, and has been in his present position since 1967.

He and his wife, the former Gladys Wimberly, live at 106 Norman Lane, Oak Ridge. They have a married daughter, Sandra Davidson, in Concord, and two daughters at home, Martha and Susan.

"I am sure Nuclear Division employees will answer the call of community service as they always have," Evans said. "I am looking forward to the United Way work we have to do in the next month. Proving our citizenship is a challenge, but then it has its rewards, too."



RECENTLY MARRIED — Anita Schimmel, ORNL's Physics Division, was recently married to James A. Barker Jr., in ceremonies at Faith Lutheran Church in Oak Ridge. The bride's father, William Schimmel, works in ORGDP's Auditing Division. The bridegroom's father is James A. Barker Sr., director of ORNL's Employee Relations Division.

Shappert chairs symposium on packaging and transporting radioactive materials

More than 500 delegates from the United States and 13 foreign countries are expected to attend the Fourth International Symposium on Packaging and Transportation of Radioactive Materials to be held September 22-27 in Miami Beach, Fla.

The symposium is sponsored by the Nuclear Division and the U. S. Atomic Energy Commission.

Lawrence B. Shappert, ORNL's Chemical Technology Division, is symposium chairman, William A. Pryor, AEC-ORO, is program chairman and John A. Lamb, AEC-ORO, is ORO coordinator.

Symposium committee

A committee consisting of staff members from the four Nuclear Division installations and ORO was chosen to help coordinate the myriad of technical details that must be handled for a symposium of this kind. Committee members are: Ed Beauchamp, Nat Bray, Brooks Graham, Bart Klima, Bonnie Reesor and Richard Seagren of ORNL; Jack McLendon of Y-12; Joe Dykstra and Charles Newlon of ORGDP; Sy Bernstein of Paducah; Harvey I. Cobert and David Sundberg, General Staff; and Larry Blalock and Raymond Metter, AEC-ORO. A large number of items involved in the planning for the symposium have been handled by Charles Normand, conference coordinator for ORNL.

Papers from 8 countries

Authors from eight countries will present over 100 papers on packaging and transporting radioactive materials. Countries which will be represented are Belgium, Japan, Germany, England, France, Italy, Canada and the United States.

Shappert was involved in the three previous symposia on this subject. He presented a paper at the first which was held in Albuquerque, N.M., in 1965; he served as symposium chairman of the second which was held in Gatlinburg in 1968; and was liaison officer and advisor for the third which was held in 1971 in Richland, Wash.

"To put on a symposium of this size takes a lot of planning," said Shappert. "There are numerous details involved, but once you have chaired one, you look for short cuts. Planning for this symposium has taken at least two years. The first thing that had to be done was find a place where the meeting could be held. Locating a hotel that can accommodate over 500 people is no easy task. The Fontainebleau in Miami Beach was chosen for several reasons; it has the meeting rooms and staff required to handle a meeting of this size, it has sufficient accommodations so that all participants can stay at the same place, and Miami Beach has an international airport. An added advantage for our colleagues from overseas is that the hotel is able to handle foreign currency."

More details

Other details that had to be worked out were: preparing budgets, getting approvals, deciding on topics to be covered, calling for papers, arranging for the Proceedings to be printed, choosing session chairmen, writing and printing the programs, coordinating correspondence with authors, ordering supplies, etc.



SYMPOSIUM PLANNERS — Discussing final details for the Fourth International Symposium on Packaging and Transportation of Radioactive Materials are, from left, John Lamb, AEC-ORO, ORO coordinator; Lawrence Shappert, ORNL, symposium chairman; and William Pryor, AEC-ORO, program chairman.

The Proceedings of this symposium, which will consist of about 1200 pages in three volumes, will be printed prior to and distributed at the symposium.

Attendance at the three previous symposia was considered good, ranging from about 300 to over 400. This year from 500 to 550 people are expected to attend. Over 300 preregistration forms have already been received by Shappert. This rise in attendance is probably due to the increased interest of government, industry and the general public in the transportation of radioactive as well as other dangerous materials.

Adversaries to participate

The United States participation covers a broad spectrum of papers from both government and industry. Additionally, the program has been structured to encourage greater participation from major transportation organizations. The Air Line Pilots Association will present a paper citing its objections to unnecessary shipments of radioisotopes by air. Invitations to participate in the symposium were sent to various groups throughout the country who strongly oppose the shipment of radioactive materials in general. Representatives from these anti-nuclear groups will present two papers on "risk assessments."

Shappert said that the papers by the adversary groups will be very helpful in making the nuclear community aware of what their concerns are and in providing a mechanism for information exchange. "In many cases we have established research and development projects in areas of their concern and frequently they are not aware of them. Opening communications between responsible adversary groups and the nuclear community is one of the important things these symposia accomplish," he said.

Areas covered

The symposium will have 13 half-day sessions, and will cover: state, federal and international regulations; safeguards, new package design; container testing; impact;

transport studies; projections and innovations; shipments of radioactive wastes; nondestructive testing; standards and quality assurance; heat transfer; risk assessment; transuranium packaging; and transport experience.

Two panel discussions are also planned. One panel will consist of the "competent authorities" of various countries. The chairmen of these authorities have responsibility for approving radioactive packaging for their respective governments in accordance with current IAEA regulations. They will discuss the problems of packaging and approvals as they view them. A second panel will be on the subject of nuclear criticality safety in packaging.

Others involved

In addition to Shappert and the symposium committee, many staff members of the Nuclear Division are involved in other facets of the symposium. Papers will be presented by 10 ORNLers, two Paducah employees and one ORGDP employee. Others will serve as session chairmen and as panel members.

Roger Hibbs, Division President, and Robert Hart, Manager of AEC-ORO, are scheduled to give welcomes on the first day of the symposium. Robert Kaye, Director of the Bureau of Motor Carrier Safety, Department of Transportation, will present the keynote address. Representing the International Atomic Energy Agency will be Gerald Swindell, Division of Health, Safety and Waste Management. Dixy Lee Ray, Chairman of the AEC, will be principal speaker at the symposium banquet.

Shappert, a design engineer, feels that it has all been worthwhile. "The experience has been invaluable," says Shappert. "I have been able to establish contacts with people all over the world who are doing the same kind of work I am doing. The flow of information between people working for different companies and located in different countries is much easier once you have met each other face-to-face."

COMPANY Service

20 25 30

Y-12 PLANT 30 YEARS

Eddie G. McCoy, building services; Paul F. Brownlow, stores department; Everett W. Forbes, materials shop; Bart Slover, machine maintenance; Charles W. Sweeten, building services; Anderson H. Inman, engineering services; Harold D. Culpepper, Myron I. Lundin and Stanley J. Sosnowski Jr., Engineering Division; Thomas L. Hart, Alpha 5 processing; Pauline F. Williams, production radiation testing; and R. G. Marlar, special services.

25 YEARS

Ruben P. Wallace, John Thomson, Troy D. Martin and Kermit T. Teague.

20 YEARS

Charles O. Campbell, Kenneth W. Silvers, Odis R. Chambers, Mozelle Y. Kennedy, Dulan B. Suttles, William R. McCollister, Kenneth E. Thomas, Furman R. Swanson, Loyde E. Cantrell, Percy Miller, Jimmie D. Snow, Jonah K. McGregor Jr., James E. Mills, Elizabeth K. Green, James D. Fancher, George Hyatt, Sherwood G. Greene, Carl E. Conley and Ray L. Coffey.

PADUCAH 30 YEARS

Doyle R. Brown, shift superintendents department.

GENERAL STAFF 30 YEARS

Burriss N. Strunk, Christeen T. Clements and James W. Barnett, all in Purchasing Division.

20 YEARS

Seldon K. Penny.

ORGDP 30 YEARS

Jasper O. Watson, utilities operations; Lyle F. Lieber and Richard J. Thomas, Engineering Division; Ellis Mullins, instrument fabrication department; Fred H. Walker, SS material handling; Thomas E. Douglas, fabrication shop department; Doras A. Robinson, SS material handling; William C. Kerr, U-235 separation department; James L. Winters Jr., Engineering Division; Harley Ramey, shop services department; David E. Orr, SS material handling; Oney C. Fugate, guard department; A. D. Toon, U-235 separation department; and David O. Davidson, utilities operations.

ORNL 30 YEARS

Ray C. Hudson, Inspection Engineering; James T. Barker, Isotopes; Louis O. Gilpatrick and Neva E. Harrison, Chemistry; Aaron Foust, Information; Forest G. Seeley, Chemical Technology; Edith F. Landrum, James Moore and Charlie C. Wohlwend, Finance and Materials; Samuel E. Beall Jr., Energy Division; and Marie G. Pickard, Biology.

25 YEARS

Theodore A. Arehart, Dunlap Scott Jr., John W. Cleland, J. C. Grove, Charles L. Douglass, Douglas S. Billington, David K. Holmes and Robert G. Campbell.

20 YEARS

Ernest G. Silver, Ira B. Rubin, Orlan O. Yarbrow Jr., William T. Hazelwood, James O. Kolb and Forrest E. Palmer.

Kennie W. Boling, Howard F. Bauman, William R. Busing, Kenneth E. Long, Ernest R. Clifford, Franz A. Posey, Clyde R. Moree, Betty F. McHargue and Wesley D. Arnold Jr.



FIELD WORK — Participants in the institute spend their afternoons in the field working directly with various radiation measuring devices. Here they are shown at the whole body counter. One team measures the body content of gamma-emitting radionuclides while the other team monitors the results. From left, William W. Parkinson, who is in charge of the whole body counter, and students Harold W. Berk, Joseph E. Wiest, Ben L. Sloan and Lewis B. O'Kelly.

Division Deaths

Neal E. Silva, Y-12's utilities administration, died in the Oak Ridge Hospital, August 20.

A native of Roane County, Mr. Silva worked at the Oak Ridge Gaseous Diffusion Plant from 1944 until 1966, and most recently worked in Y-12. He lived at Route 2, Harriman.



Survivors include his wife, Mrs. Leona Silva; seven children, Shirley Ryan, Eugene, Susie, Carolyn, Neal, Raymond and Steve Silva; one granddaughter; five sisters, Zola Hopwood, Yvonne Marshall, Edna Sampson, Dora Davidson, and Dortha Brown; and one brother, Kenneth B. Silva, who is employed at Oak Ridge National Laboratory.

Funeral services were held at Dyllis Baptist Church with the Rev. Tommy Futrell and the Rev. Milford Ely officiating. Burial followed in the Dyllis Cemetery.

FORMER Y-12 FOREMAN

Oscar W. Patrick, former Y-12 foreman in the Materials and Services Division, died August 17 in the Oak Ridge Hospital. He was given a medical retirement in late 1973. He is survived by his wife and two sons, Woodrow and Bill C. (who is with Y-12's guard department), and two daughters June Davis and Gayle Carden. Funeral services were held at the Petros Baptist Church with burial in Anderson Memorial Gardens.

ORNL holds health physics 'clinic' for instructors

A minimum of 5,500 new B.S.-level health physics technologists will be needed nationally by 1985, according to estimates of the U. S. Atomic Energy Commission. By that time, about 150 nuclear power reactors are expected to be in operation. The technologists are needed to manage and monitor the radiation aspects involved in operating these reactors.

The AEC has given part of the job of meeting this need to Oak Ridge National Laboratory's Health Physics Division. This summer the division has started a Faculty Institute in Health Physics Technology headed by Myron F. Fair and James C. Hart, both of the education and information section.

Institute is "clinic"

The institute is a clinic for instructors teaching at schools that have, or expect to have, on-going courses in the environmental sciences and/or radiological studies (only a few colleges in the country grant degrees in health physics). Research facilities and staff leadership of the Health Physics Division will be used to aid the instructor in developing a curriculum that provides his students with the background needed to qualify for examination by the American Board of Health Physics. The instructors then go back to their campuses and set up this type of program.

Classes are held each morning and are usually taught by either Fair or Hart. In addition, the following guest lecturers have been invited from ORNL: S. Robert Bernard, William D. Cottrell, Louie C.

Henley, Raymond E. Millspaugh, William W. Parkinson, John W. Poston and Walter S. Snyder.

Field work

Afternoons are spent doing field work in units supervised by the Division's applied health physics section. This includes working directly with various radiation measuring devices.

"Experience is the best teacher" is the philosophy behind the institute. In fact, it is estimated that instructors using this methodology can give their students the equivalent of 6-12 months of on-the-job experience.

ORNL is the only AEC facility currently participating in this education program, but expansion to other sites is planned for next year. The goal at ORNL is to train an average of ten instructors each year until 1980. If each instructor then turns out about 10 graduates a year, 1,500 B.S.-level health physics technologists could be available by 1980 through the ORNL program alone. Based on this, the first graduates will begin to appear in the summer of 1975.

Instructors

There are nine instructors from colleges and universities around the country participating in the institute this summer. Beginning next year, Oak Ridge Associated Universities will canvass various campuses and handle all recruiting.

Participants this year are: Harold W. Berk, University of Virginia; J. Gordon Lindsay, Jr., Appalachian State University; Sam H. Lott, Vanderbilt University; Lewis B. O'Kelly, Memphis State University; Charles E. Roessler, University of Florida; Ben L. Sloan, Carson-Newman College; Arthur W. Spear, Southwest Texas State University; Richard J. Vetter, Purdue University; and Joseph E. Wiest, West Virginia Wesleyan College.

Savings Plan-Personal Investment Account

Recent unit values:

	Fixed Income Fund	UCC Stock	Equity Investment Fund
April 74	\$10.51	\$39.17	\$8.14
May 74	10.57	41.04	7.99
June 74	10.64	41.84	7.73
July 74	10.70	39.85	7.03

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 7-3/4% for 1974. Union Carbide stock values are the average cost of stock purchases during the month plus brokerage charges. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. Dividing the total value by the number of units in the fund establishes the month's unit value - and the price at which new units are added that month.

You cannot find a short cut to climb a ladder, can you? The only safe way is to move up one step at a time. By watching your movements intently, by using your head, your hands and your feet intelligently, you have every chance of reaching the top without disaster... B. C. Forbes



COMMISSION VISIT — The Tennessee Industrial and Agricultural Development Commission recently met in Oak Ridge and toured Nuclear Division facilities. Included in the tour was a visit to the Training and Technology project in Y-12. Above Herman Snyder, left, superintendent of the Employee Relations Division in the Y-12 Plant, explains the purposes of the TAT program. From left are: B. Ralph Pearson, Y-12 training department; Gov. Winfield Dunn; Ralph Griffith, director of public information on the governor's staff; T. Kent Webb, State and Local Government Relations, Union Carbide; and Pat Choate, commissioner of Industrial and Agricultural Development for the State of Tennessee.

Industrial Cooperation lists new systems developed here

Subjects ranging from techniques of maintenance management to a study of the relationship of population to economic and regional development are included in the latest series of Industrial Cooperation Bulletins being mailed to industries throughout the nation.

The bulletins are issued as part of the Industrial Cooperation Program of the Nuclear Division.

Each bulletin describes a specific item, reports on the stage of development, the potential industrial application and patent status. In addition, the bulletins give the names of those persons from whom additional information can be obtained.

Personality seminar set by secretaries

The Oak Ridge Chapter of the National Secretaries Association is sponsoring the Dartnell Institute of Management "Personality Plus" seminar September 14 at the Holiday Inn, Oak Ridge. The seminar will begin at 9 a.m. The registration fee, including lunch, is \$12.

The program, designed for career secretaries and other professional women, will be conducted by Ethel Burge, fashion coordinator, lecturer and author; E. Lee Goodrich, assistant director of the Metropolitan School of Business; and Elaine Styles, all of Chicago.

A highlight of the luncheon will be the presentation of Certified Professional Secretary certificates to 10 Oak Ridge area secretaries, nine of whom are employed in the Nuclear Division.

Early registration is encouraged as the number of participants is to be limited to 225. Eileen Walbrecht, ORGDP, is in charge of registration. Forms and copies of the program are available from her at extension 3-3321; Bettye Burns, 3-1306; Mabel Tyer, 3-7121; Martha Lyle, 3-4636; or Alease Hibben, 483-7944.

Rebecca Rickman, is chairman of the seminar; and Bettye Pope, is president of the local chapter.

Among the other items included in the latest Industrial Cooperation Bulletins are:

A system for remote measurement of the level of liquid metals.

Fluoride removal in the recovery of nitric acid.

Analysis for trace concentrations of chromium in industrial waste water.

A new method for electric circuit identification.

An improved method for cutting tubing for saddle-type joints.

Industrial Cooperation Bulletins are issued on a quarterly basis. Businesses interested in obtaining copies of the bulletins should contact: M. E. Koons, Executive Office, Nuclear Division, Union Carbide Corporation, P. O. Box Y, Oak Ridge, Tenn. 37830.

Division Retirees



Wheaton

Harold W. Wheaton will retire at the end of this month from the Oak Ridge Gaseous Diffusion Plant. A maintenance mechanic in the Fabrication and Maintenance Division, he joined Union Carbide in 1945. Wheaton lives at Route 2, Oliver Springs.

A problem child is one who puts two and two together and gets your number.

Two ORNL divisions grant promotions to employees

Two employees have been promoted at Oak Ridge National Laboratory. Carus K. H. DuBose was named a laboratory supervisor in the Metals and Ceramics Division and Ralph L. Jeffers has been promoted to applied health physicist in the Health Physics Division.

DuBose, a native of West Virginia, attended The University of Tennessee prior to serving in the U.S. Air Force. He came to work at ORNL in 1955 and was a science technologist before his promotion.

DuBose is a founding board member of the International Metallographic Society and served as chairman of the Metallographic Exhibit for six years. He is also a member of the American Society for Metals and the Electron Microscope Society of America. DuBose serves as associate editor of the METALLOGRAPHIC REVIEW and was previously co-editor of MICROSTRUCTURES.

DuBose is married to the former Mary Fulmer of South Carolina. They have three sons: Mike, William and Jimmy. The DuBose home is at 101 Pelham Road, Oak Ridge.

Ralph Jeffers was born in Huntsville, Tenn. A veteran of the Korean conflict,



DuBose



Jeffers

Jeffers received the B.S. degree in education from Tennessee Polytechnic University. He taught school in Campbell County for seven years before coming to work at ORNL in 1965.

Jeffers, a member of the East Tennessee Chapter of the Health Physics Society, was a health physics inspector prior to his promotion.

Jeffers and his wife, the former Joan Rector, have a son, Scott. They reside at 1500 Loop Road in LaFollette.

Y-12 Product Engineering and Scheduling lists promotions



Kendrick



Miss Watson



Frazier



Tate

The Product Engineering and Scheduling Division in the Y-12 Plant has promoted four employees recently. Accounting and budget has named James Mont Kendrick and Jan H. Watson accounting analysts, and the dispatching department has promoted Douglas L. Frazier and Richard L. Tate to foremen.

Kendrick, a native of the Claxton area, has been in Y-12 since 1959. He attended David Lipscomb College and The University of Tennessee. Before joining Union Carbide he was with Republic Steel and Sherwin-Williams Paints.

He lives at Route 2, Dogwood Lane, Powell. Mrs. Kendrick is the former Nancy Love. They have three children, Bryant, Peggy and Kent.

Miss Watson is a native of Greene County. She has a B.S. degree from UT. She joined Union Carbide last year.

Miss Watson lives in the Capella Apartments, 8044 Gleason Drive, Knoxville.

Frazier, a native of Trion, Ga., is a graduate of the Cooper Business Institute. He joined Union Carbide in 1958.

Mrs. Frazier is the former Betty Kelly, and the couple has three children, Beth, Diane and Amy. They live at 2337 Laramie Drive, Knoxville.

Tate, a native of Rockford, has been at Union Carbide for six years. He is a

graduate of Everett High School, Maryville, and worked at Maryville College before coming to Y-12 six years ago.

Mrs. Tate is the former Constance Gaines. They have two children, Aleorick and Aysha, and live at 246 Newcombe Street, Alcoa.

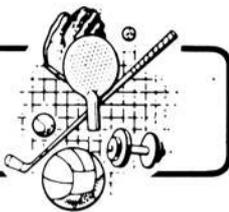
Next Issue

The next issue will be dated September 19. The dead line is September 11.

Thanks to you it's working



RECREATIONOTES



PADUCAH FISHING RODEO

The Paducah Plant announces winners in its 1974 fishing rodeo, with six categories of fish, and a host of door prize winners. Taking door prizes were A. K. Freels, Robert Turner, Mrs. J. K. Luton, Mark Kaufman, Mark Hines, A. L. Elrod, Frank Baggette, Jenny Schnuck, Bob Smith, Jack Hulett, Clay Shelbourne and R. G. Sullivan.

Winners, by species, were:

BLACK BASS

H. J. Pottinger
John Merriweather
J. D. Brown
(Largest string - Ted Merriwether)

CRAPPIE

Robert Taylor
James S. Baier
Phillip Carter
(Largest string - Jim Warner)

BREAM

D. L. Thompson
R. D. Thompson
Michelle Steinbeck
(Largest string - Carlee Fowler)

OTHER GAME FISH

Ronnie Steinbeck
Dorothy Pottinger
Brett Baggette
(Largest string - Charles Burdette)

CAT FISH

J. M. Sparjman
Carroll W. Cope
R. A. Caneer
(Largest string - Cindy Steinbeck)

OTHER ROUGH FISH

E. M. Steinbeck
Jessie Shelbourne
Bruce Reece

PADUCAH BOWLING

The Paducah Plant Bowling League started on August 29 and will continue each Thursday evening at 5:45 p.m. through May 1. Eight teams have entries. A concerted effort by members is being made to enlist new bowlers into this handicap affair. No previous experience is necessary, and everyone is welcome. If you wish to participate call the Recreation Department on PAX 335 or contact Leroy Hall on Bell 324.

ORGDP GOLF TOURNAMENT

Harris Creswell took low score at Southwest Point, as ORGDP greensmen took up irons for the final tournament of the year. His 75 score was three under W. J. Moore's 78.

Jim Winters scored a 79 to take handicap honors, and E. T. Strunk placed second with an 81.

D. F. Bennett racked up 11 pars; R. E. Nier, L. C. Patrick, David Byrd and H. Sullivan all counted seven.

The second flight went to R. L. Newton, scoring a 79. D. L. Glovier came in second with 86.

In handicap scoring it was R. K. Ford, 81; R. M. Schilling, and Marvin Mills, 89.

D. M. Papke, A. H. Marshall and Ted Kwasnoski all scored five pars.

Flight three went to Jerry Love, 91; and Roy Quarles, 92.

Handicap honors were gleaned by Clay Smith, 103; and S. A. Speckter, 99.

Seth Wheatley scored three pars; R. L. Braden and A. F. Payne, two.

CARBIDE CAMERA CLUB

The Carbide Camera Club meets Tuesday, September 10, at 7:30 p.m., in Room D-213 in Cheyenne Hall. A program obtained from the Photographic Society of America will involve a movie showing the art of extreme closeup photography using special lenses and focusing techniques.

September competition for members will be both color slides, and color and black and white prints of a site in Oak Ridge announced at the last meeting: the Civic Center complex.

The public is invited to attend. For further information contact John Blankenship, extension 3-3533.

FAMILY BOWLING

The Oops team seems fairly happy in first place in the Carbide Bowling League, with a two and one-half point lead over the Pinsetters. Meanwhile, Friday bowlers invited men and women to participate in winter play. Edith Duckworth, extension 3-5341, will furnish additional information.



BARBECUE READY — Oak Ridge Gaseous Diffusion Plant personnel are gearing for another Barbecue-Hootenanny this year, set for September 28, at the Park. Food will be served at 5 p.m. Tickets are \$2 for adults, \$1 for children, and are available throughout ORGDP, and the Purchasing and Auditing Divisions. Above, some of last year's cooks ready the delicious food.

ORGDP ANNUAL BARBECUE-HOOTENANNY

Saturday, September 28 is the big day for ORGDP employees. It's the day for the big annual barbecue-hootenanny. Set this year at the Clark Center Recreation Park, the event will again offer that delicious meat roasted all night long by those dedicated employees on their long breaks.

Street dancing will take place to the music of THE NIGHT SHIFT, a group of Carbiders doing "their thing" on various instruments. There will be special games for the kids, softball games, and various other attractions for both young and old.

Tickets, \$2 for adults, \$1 for children, are available at all divisional offices, and at Purchasing and Auditing up-town. Retirees may obtain tickets by contacting the Recreation Office, extension 3-5833, or at the Park gate on September 28.

Food will be served at 5 p.m.

CARBIDE SOFTBALL

The Snakes and Rats were not content with taking league crowns, they turned around and took tournament laurels as well. The Snakes defeated the Gashouse Gang in final play last week, and the Rats downed the Computes as the season ended.

Final league standings follow:

ATOMIC LEAGUE		
Team	W	L
Snakes	20	1
Gashouse Gang	15	6
Ecology	13	8
Supersonics	12	9
Red Barons	11	10
Streakers	9	11
Y-12 Sox's no. 2	2	19
NUCLEAR LEAGUE		
Rats	19	2
Raiders III	18	4
Computes	18	4
Over-The-Hill Gang	17	5
Avengers	11	10
The Losers	10	10
Al's Pals	10	11
Bombers	8	13
Bio-Rejects	8	14
Hornets	7	15
Artie's Army	4	18

PADUCAH MIXED SCRABBLE

The crack of dawn recently found the Paducah Plant golfers gathering at the Rolling Hills Club for another of their now famous Mixed Scrabble affairs. Promptly at 7 a.m. the first mixed foursome of Jim Freeman, Norma Smith, Vernon Brown and Joe Ross teed it up and started the seven minute sequence of tee times until all of the 100 participants were off.

Before the day was over the employees and/or their spouses had toured the challenging 18 holes of the rightly named course. The team composed of Charles Turok, Lois McCann, J. B. Howard and Jim Brown was declared the winner with a fine six under par after the tie breaking playback had been applied to the identical six-under scored by the team com-

posed of Waldo Gollither, Bob Levin, Steve Sevenski and Martha Laxson. Teams awarded third and fourth place were captained by Allen Cox and Van Bryant in that order.



Y-12 PLANT
RIDE or will join car pool from Granda Drive, or Piney Grove Church area, Knoxville, to North or East Portal, straight day. James Moore, plant phone 3-5568, home phone Knoxville 588-7915.

RIDERS from Karns Community, Knoxville, to any portal, or will trade rides from red-light at Karns, straight day. Patty Weaver, plant phone 3-5181, home phone Knoxville 947-8442.

RIDERS or car pool members from Concord area, to any portal, straight day. J. C. Taylor, plant phone 3-7510, home phone Knoxville 966-5163.

ORGDP
RIDE or will join car pool from Lovell Heights shopping center, Knoxville, to K-1001, 7:45 to 4:15 p.m. shift. E. H. Kelley, plant phone 3-3258, home phone Knoxville 693-3139.

ORNL
CAR POOL MEMBERS from Norwood-Merchant Road, Clinton Highway vicinity to either portal, 8 a.m. shift. Jack Posey, plant phone 3-1708, home phone 947-3261.

RIDE OR JOIN CAR POOL from Walker Springs Road area, Knoxville, to 6000 area or East Portal, 8 or 8:15 a.m. shift. D. K. Olsen, plant phone 3-1837, home phone 693-6968.

CAR POOL MEMBERS from Waddell, West Outer or Pennsylvania Avenue areas, Oak Ridge, to East or North Portal, 8:15 a.m. shift. Tom Burnett, plant phone 3-6939, home phone 483-1975; or Dick Reed, plant phone 3-1801 or 483-3458.

Tee-Off Time Application for Sept. 14

(Check Appropriate Plant)

- Y-12-WHITTLE SPRINGS
- ORNL-WALLACE HILLS

Check

LEADER _____

Phone _____ Bldg. _____

Time Preferred _____

COMPLETE AND RETURN TO YOUR RECREATION OFFICE

Entries must be received prior to drawing on Sept. 11, 2 p.m.

ORNL/Y-12—Building 9711-5

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times.

The Medicine Chest

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning their 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 20, or call the news editor in your plant, and give him your question on the telephone.)

By T. A. Lincoln, M.D.

QUESTION: "I was told once that having white spots beneath your finger nails was indicative of poor health. Is this so? If not, what is it indicative of?"

ANSWER: Most people can remember having had occasional tiny white spots in their finger nails, but when they have numerous spots most of the time they naturally become concerned. Since these spots occur more frequently in the dominant hand, it is likely that some type of minor injury is a factor. When a person has spots on the nails of fingers and toes of both hands and feet, injury is obviously not the cause.



These white spots are often seen in patients who have nephrosis, a severe kidney disease, or cirrhosis of the liver. In these cases it seems to be associated with a low serum albumin, an important protein constituent of the blood. Recent studies suggest that these spots are related to a zinc or Vitamin B₆ (pyridoxine) deficiency. Patients with nephrosis or cirrhosis lose zinc and may be short on B₆. Otherwise healthy people, who for some reason don't get enough of these materials in their diet, may have a mild deficiency which causes these spots.

In a recent brief report in the *Journal of the American Medical Association* (April 8), investigators at the Brain Biocenter in New Jersey have reported some fascinating observations. Copper in the blood tends to depress the zinc level, although the mechanism isn't clear. They found, for example, that white banding of the nails often occurs during the menstrual cycle in women. The serum copper level is high and zinc is low one week before the menstrual period when many women become irritable and depressed. An episode of psychosis is sometimes followed by white banding. Whether a zinc deficiency has anything to do with precipitating the acute illness is uncertain, but is being studied.

Religious days of fasting by orthodox Jews have been observed to cause white spots. Women on contraceptive pills sometimes have spots due to the estrogen in the pill raising serum copper and lowering zinc. Multivitamin capsules which also contain trace metals such as copper may depress the zinc level.

The use of soybeans, for example, to expand hamburger meat may depress zinc because soybeans often contain extra copper. If a person's drinking water contains high amounts of copper, he may have a depressed serum zinc level. One wonders if the copper bracelets many people wear to scare away the evil spirit

of arthritis have caused any increase in white spots. The amount absorbed through the skin would probably be too small to have any effect except possibly in someone who was borderline anyway.

Once the spots have appeared there is not much that can be done to remove them, but increasing the zinc level with a medicine might help. Unfortunately zinc sulfate, alone, is not available as a prescription medicine but it is found in at least one multivitamin capsule. The minimum daily requirement for zinc is probably about 15 mgm, even though it hasn't been established like the minimum daily requirements for vitamins. Nevertheless, some people apparently don't get enough.

If you save these articles, you may wish to refer to my article on "Zinc, the Pleasure Metal," which appeared in the February 15, 1973, issue of the UCND News.

QUESTION: "Could you present a profile on dantrolene sodium in your column? It was the subject of a press release during the early spring."

ANSWER: Dantrolene sodium is a muscle relaxant which is being used in treating the spasticity which occurs sometimes following strokes or spinal injuries and during multiple sclerosis and cerebral palsy. It appears to inhibit the release of calcium from sarcoplasm, the interfibrillary matter of striated muscle. This release of calcium following nerve stimulation is the chemical basis for initiating muscular contraction.

Unfortunately, this medicine often causes weakness which can be more disabling than the spasticity. Diarrhea and dizziness are also fairly common side effects. The starting dose for adults is usually 25 milligrams twice daily, with gradual increase to a maximum of 400 mgm a day. Often beneficial effects take a week or more to appear. The drug is not recommended for muscle spasticity which is caused by injuries or rheumatism.

SYMPHONY AND CHORUS

Both the Oak Ridge Symphony Orchestra and the Oak Ridge Chorus are non-professional - amateur if you like - but both are under professional direction.

If you, members of your family or your associates are fiddlers, blowers, pounders or vocalists, make contact with the personnel managers of one of the two organizations: Waldo Cohn, Orchestra, extension 3-7514 or 482-2068; Linda (Mrs. David) Allison, Chorus, 483-7258.

Rehearsals are at 7:30 p.m. in the Chorus Room of the Oak Ridge High School, on Wednesdays beginning September 4 for the Orchestra, and on Mondays beginning September 9 for the Chorus.

Gaines, Jones, Judd, Ollis, McLendon upped at ORGDP

Five recent promotions have been announced at the Oak Ridge Gaseous Diffusion Plant.

Samuel L. Gaines has been named an auditor in the Auditing Division. A native of Oak Ridge, Gaines has a B.S. degree in accounting from The University of Tennessee. He joined Union Carbide in 1969, and is a veteran of the U. S. Army, serving in Vietnam for two years.

Mrs. Gaines is the former Anne Grasso, from Sydney, Australia. The couple lives at 167 Tacoma Road, Oak Ridge.

George A. Jones has been named a maintenance foreman in the Fabrication and Maintenance Division. Born in Knoxville, Jones has been at ORGDP for more than eight years. He is a veteran of the U. S. Army, and worked with Fulton-Sylphon-Robertshaw in Knoxville, before joining Union Carbide. He is attending Knoxville Business College at present.

Jones is married to the former Nancy Jane Hughes. They live at 5304 Bluefield Road, Knoxville, and have two children, Charles and Yvon.

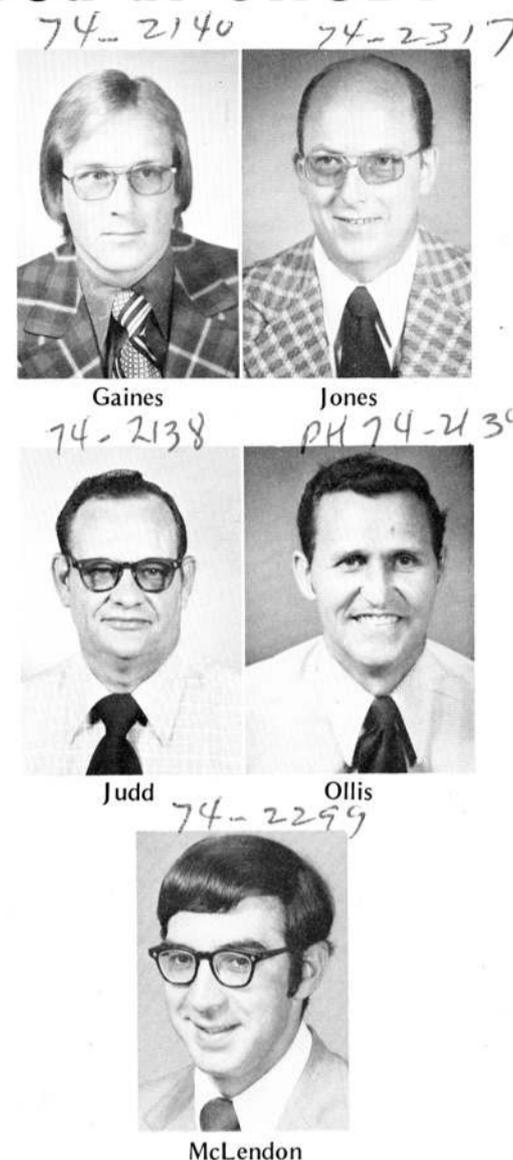
Jack B. Judd has also been named a maintenance foreman in the F&M Division. A 23-year veteran, Judd is a native of Algood, in Putnam County. He is a graduate of the Electronics School in Chicago.

Mrs. Judd is the former Mary E. Leonard, and they live at 102 Manchester Road, Oak Ridge. They have four children, Dennis, Sheila, Jackie and Sherri.

Mitchell B. Ollis, a native of Oliver Springs, has been named a maintenance foreman in the F&M Division. He was in transportation at ORNL before coming to ORGDP six years ago.

Mrs. Ollis is the former Elania Miller. They live at Route 2, Oliver Springs, with their three children, Veronica, Mark and Derick.

William E. McLendon has been elevated to a senior laboratory technician to a pilot plant foreman in the Gaseous



Diffusion Development Division. A native of Vonore, he is a veteran of the U. S. Army, and has been at ORGDP eight years.

Mrs. McLendon is the former Susanne Wilson, and the couple has two children, Angie and William. They live at 1309 Pandora Lane, Knoxville.



CRAFTSMAN'S DEGREE GOES TO BANDY — Ward Bandy, supervisor of ORNL's Photography Department, was recently awarded the degree of "photographic craftsman" by the Professional Photographers of America. The presentation was made at the PP of A's 83rd International Exposition of Professional Photography. The photographic craftsman's degree is earned for exceptional service to the profession - for teaching, lecturing and service to photographic associations. Bandy, left, is shown with Jerry A. Smolka, Board Chairman of PP of A, and his sponsor William Carrier Jr. The PP of A is the oldest and largest association of professional photographers in the world.

QUESTION BOX

(Continued from page 1)

QUESTION: Why is it that in the Maintenance Division at the Y-12 Plant, the Company never considers a member of the bargaining unit when there is a need to promote or need new foremen? Nine out of ten times, giving the Company the benefit of the doubt, they go outside the plant and hire new personnel. These personnel have no knowledge of plant building locations, company policy, procedures and safety.

Admittedly, some craftsmen would not give up their seniority for these jobs; others, however, would consider promotions. Knowing that there was a possibility for advancement would make for better company-employee relationship.

ANSWER: It has been the policy in the Maintenance Division at Y-12 to give qualified hourly employees opportunity for advancement by promotion. As you are probably aware, sometimes hourly employees are promoted directly to supervision. More often, however, they are promoted to planner estimator jobs and then later may be advanced to supervision.

Our records show that from 1-1-65 to 6-30-74 there were promotions as follows in the Maintenance Division:

Hourly to Planner Estimator	83
Planner Estimator to Supervisor	50
Hourly to Supervisor	7
Outside hires to Planner Estimator	3
Outside hires to Supervisor	9

Of 115 front-line foremen in Maintenance, 106 began as hourly men for Union Carbide.

QUESTION: Do supervisors receive extra pay for the number of people they supervise?

ANSWER: No.

QUESTION: Is there a good reason for the reluctance of the Y-12 Plant to stagger working hours a sufficient amount to alleviate the traffic problems at 4:30 p.m. daily and thereby contribute to the energy shortage (in particular gasoline). I have personally made some fairly accurate observations and found that if I leave the plant at 4:30 p.m., I will use from 1/2 to 3/4 gallon of gas daily in traffic tie-ups before I am one mile from the plant. I thought I had solved the problem by staying over each day until 5 p.m., thereby missing all the traffic tie-ups. This helps the (energy-gasoline) crisis very little as it involves such a small percentage of the plant population. And, in addition, it is not very economical as I figure my time is worth at least \$5 per hour, so it's costing me \$2.50 per day to wait on the traffic.

ANSWER: The present Y-12 work schedules have been in effect for many years and the habits and carpools of many employees are built around them. For this reason, a change could not be made without the need for it being very clear. At the same time, the point you make about congestion between 4:30 p.m. and 5 p.m. has merit and it would be desirable if the traffic at that time could be lightened.

Y-12 management has had a study made of possible options of staggering the work hours for those employees on the day shift. While staggered shifts would help the traffic situation, there would be disruption of established patterns and loss of efficiency due to interrelated in-plant functions. It has not yet been determined by Y-12 management whether a change will be made.

Some folks think they're being friendly when they tell you their troubles... Arnold Glasow

Calendar of EVENTS

TECHNICAL September 16

Biology Division Seminar: "Mutation in Cultured Somatic Cells: Studies on the HGPRT Gene of Mouse L Cells," John D. Sharp, University of Utah. Tower I Conference Room, Building 9207, 3 p.m.

September 16-18

Thermonuclear Information Meeting: Oak Ridge National Laboratory.

September 19

Biology Division Seminar: "Microtubules in the Test Tube," Phil Filner, Michigan State University. Large Conference Room, Building 9207, 3 p.m.

September 20

Science and Technology Colloquium: "Interstellar Deuterium and its Cosmological Consequences," Jay M. Pasachoff, Williams College Observatory. Central Auditorium, Building 4500N, 11 a.m. (A bus will leave the east end of building 9201-2, Y-12, at 10:30 to carry passengers from the Y-12 area. A return bus will be provided immediately after the talk.)

PADUCAH EMPLOYEE DIES

Carroll Graves, an operator in the Cascade Operations Division at the Paducah Gaseous Diffusion Plant, died August 7.

A native of Paducah, Mr. Graves was employed by the O.K. Rubber Welds Company, St. Louis, before joining Union Carbide.

The Graves home is at 130 Arkansas Street, Paducah, where he is survived by his wife, Beverly, and sons, Charles and Marvin.

PATENTS

To Willis H. Baldwin, ORNL, for "Production of High Purity Halides."

To Norman G. Anderson, ORNL, for "Rotor Having Sample Holding Means."

Mrs. Wolf, Williams, Wilkerson are promoted at Paducah Plant

Three new job assignments result from recent promotions at the Paducah Gaseous Diffusion Plant.

Mrs. Alenda H. Wolff has been named a senior buyer in the purchasing section.

Mrs. Wolf, a native of Graves County, attended Mayfield Business College after finishing her education in the school system in Graves County. Before joining Union Carbide in 1951, she was with Famous-Steinberg, Inc., New Orleans.

A member and past president of the Mayfield Chapter of the National Secretaries Association, Mrs. Wolf lives with her husband, Jeff, and daughter, Sherry, on Fairlane Drive in Mayfield.

Robert M. Wilkerson has been named an associate design engineer in the Paducah Plant's Engineering Division.

Wilkerson, a native of Texas, attended the Paducah Community College and the University of Missouri at Rolla. Before joining Union Carbide, he was employed by the McLean Trucking Company.

Wilkerson and his wife, Judith, live at Route 5, Florence Station Road. They have one son, Scott.

Joe L. Williams has been promoted to an associate chemist.

A native of Memphis, Williams has a B.S. degree in chemistry from Memphis State University. He was with the U.S. Printing Office and Department of Agriculture before joining Union Carbide in 1972. While attending Memphis State, he was employed in the computer center.

Williams and his wife, Catherine, live at Route 6, Bleich Road, Paducah. They have a son, Stephen. Mrs. Williams is a mathematics teacher at Paducah Community College.



Mrs. Wolf

Wilkerson

Y-12's safety

(Continued from page 1)

entire period of a year had passed, back in October, 1972.

Now the old record has been broken as far as man-hours are concerned. (It took longer this time in days, to surpass the old man-hour record because of fewer employees on the payroll.)

Recognizing the accomplishment, Board Chairman F. Perry Wilson wired congratulations from Union Carbide's home office in New York. (The telegram is reproduced below.)

Through midnight, Wednesday, August 28, the plant had operated 13,889,000 man-hours with no serious mishap. This eclipsed the old record in 1972 of 13,778,000 man-hours, when Y-12 went its first year.

"It has always been Union Carbide's policy in Y-12," Plant Manager Jack M. Case said, "to give safety a priority when other considerations were evident. Naturally, we are quite pleased with this record. It is through individual efforts, and those alone, that make this a safe place to work. The minute one employee relaxes and lets other considerations have priority over safety, that's when we're in trouble. I would like to pass my own personal thanks to every employee in the Y-12 area for this significant achievement. Really, it belongs to all of us."



UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

BULK RATE
U.S. Postage
PAID
Union Carbide
Corporation

ADDRESS CORRECTION REQUESTED