



NUCLEAR DIVISION NEWS

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

Vol. 3 - No. 15

Thursday, October 26, 1972

Y-12 passes year without lost-time accident--a new record!

Successful United Fund drive nears goal, \$327,920 to date

A successful United Fund drive was drawing to a close as Nuclear Division News went to press this week. Contributed by the employees of the three Oak Ridge plants and General Staff through October 13 was \$327,920. Check the road signs for a more recent report. The November 16 issue will carry a wrap-up of this year's successful drive which was conducted to aid the many United Fund agencies in our communities.

At Y-12, through October 13, achieving over 100 percent of goal were these divisions: Accounting and Budget, Assembly, Engineering, Maintenance, and Superintendents; and these bargaining units: Bricklayers, Boilermakers and Insulators.

At ORGDP these divisions had achieved over 100 percent of goal: Separations System, Gaseous Diffusion, Plant Superintendents, Engineering, Nuclear Safety, Shift Operations and Security.

The Paducah Plant reports success in its United Appeal drive, according to fund officials. A total of 93.54 percent of all personnel have contributed so far, with almost 50 percent of the plant's population giving through payroll deductions! A total of \$37,792.80 was reported through October 20. The increased giving over last year's fund drive was received with gratitude by plant drive chairmen David M. Dodson, J.O. Dobson and Herman Anderson.

At ORNL achieving over 100 percent of goal were these divisions: Analytical Chemistry, Mathematics, Reactor Chemistry, Reactor, Thermonuclear, Director's, Plant and Equipment, Inspection Engineering, Operations, Personnel, Information, Budget and the ORNL-NSF Environmental Program; and these bargaining units, Boilermakers, Carpenters, Insulators, Laundry Workers, Fireman, Iron Workers and Riggers, Machinists and Instrument Makers, Teamsters, Leadburners, Instrument Technicians, and Painters.

Several groups had not quite completed their drives by the October 13 report date, so check the next issue for achievement wrap-up.

OCAW-Carbide agree on contract Oct. 14

The Oil, Chemical and Atomic Workers, Local 3-288, and Union Carbide Corporation's Nuclear Division agreed to a new three-year contract October 14. The agreement was ratified by the approximately 960 employees represented by Local 3-288 at the Oak Ridge Gaseous Diffusion Plant.

The proposal includes an immediate four percent across the board increase. (Continued on page 8)

For the first time in its 30-year history, the Oak Ridge Y-12 Plant has operated a full year without a lost-time accident.

The plant has amassed more than 13,300,000 hours without a lost-time accident during the 365-day period.

In recognition of this accomplishment, F. Perry Wilson, Chairman of the Board of Union Carbide, sent a congratulatory telegram to Y-12 Plant employees. "On behalf of the entire Corporation, I want to take this opportunity to recognize the outstanding safety record you have achieved during the last year," Wilson said.

"I know that in the past you have won several awards from Union Carbide, as well as from the National Safety Council and the U.S. Atomic Energy Commission. But never have you demonstrated such an outstanding safety performance as has been the case in the last year."

Wilson explained that Union Carbide has always made safety a vital part of its operations. "You in Y-12 have demonstrated how a concerted team effort in the safety field can truly develop an outstanding program," he added.

Jack M. Case, Y-12 Plant Superintendent,

also praised the approximately 7,500 employees--including approximately 1,000 Oak Ridge National Laboratory employees located at the Y-12 site -- who had contributed to the safety record. "Every employee has made a very definite and significant contribution toward making this achievement possible," he said. "I want to extend to each of you my personal congratulations for this outstanding accomplishment and, at the same time, express my gratitude for your demonstrated concern in making Y-12 a safe place to work. Let us redouble our efforts in order to continue an accident-free operation."

Y-12 was built during World War II to separate the fissionable isotope of uranium - U-235 -- by the electromagnetic process. Since that time the Plant has evolved into a highly sophisticated manufacturing and developmental engineering organization. The Plant occupies approximately 500 acres immediately adjacent to the city of Oak Ridge. It is about two-and-one-half miles long and one-quarter mile wide. The combined floor space of its several hundred buildings is approximately five million square feet.

Carbide executive sends wire

"On behalf of the entire Union Carbide Corporation, I want to take this opportunity to recognize the outstanding safety record the employees of the Oak Ridge Y-12 Plant have achieved during the last year."

"Working a full year -- more than 13,360,000 hours -- without a lost-time accident is a record in which all of you can take pride. I know that in the past you have won several awards from Union Carbide as well as from the National Safety Council and the U.S. Atomic Energy Commission. But never have you demonstrated such an outstanding safety performance as has been the case in the last year."

"Union Carbide has always made safety a vital part of our operations. You in Y-12 have demonstrated how a concerted team effort in the safety field can truly develop an outstanding program."

"Congratulations on a job well done."

/S/ F. Perry Wilson



F. Perry Wilson
Board Chairman
Union Carbide Corporation

43 million didn't bother to vote!

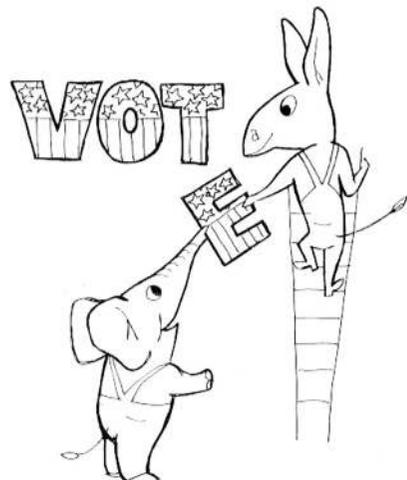
In 1968, 43 million eligible voters didn't bother to go to the polls. They could have elected their own president! Richard Nixon and Hubert Humphrey received 31 million plus each in the last presidential election.

Many do not vote because of the attitude, "Why bother, my one vote won't make a difference."

One vote often does make the difference. A Virginia Republican believes a baby's schedule cost him the last congressional election. He lost by one vote, when a couple with a crying baby dropped out of line to go home to feed the baby. Both vowed they were his supporters.

Thomas Jefferson was elected president over Aaron Burr by only one electoral vote in 1800. One vote admitted Texas, California, Idaho, Washington and Oregon to the USA! The conscription act drafting millions of Americans during World War II passed on the strength of one vote.

The list is endless where a single vote or a non-vote has made the difference.



Be sure your vote counts November 7! If your polls close before you have time to get there, see your supervisor. You are allowed time off with pay if it is necessary.

NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through October 19:

Paducah	10 Days	70,000 Man-Hours
ORGDP	7 Days	98,000 Man-Hours
ORNL	3 Days	78,000 Man-Hours
Y-12	366 Days	13,419,000 Man-Hours

Safety is everyone's concern!

A Woman's Word

Why buy life insurance?

There was a time not too long ago when all a wife had to do when an agent came around to see her husband about life insurance was to serve coffee and cookies. In fact, not much more was demanded of her later than to remember where her husband kept the policy and, maybe, the agent's name.

Traditionally, life insurance was developed to replace the income of the male breadwinner in case of death or retirement. Today, however, with more than half the women in the United States contributing to family incomes, the loss of a daughter, wife or mother could deal a significant blow to the family's financial resources.

Attitudes change

The Institute of Life Insurance reports that women increasingly are becoming owners of life insurance. Of course, one reason is the availability of low-cost group policies for employees similar to the life insurance coverage available for Nuclear Division employees.

In 1970 almost one-fourth of all ordinary life insurance policies were purchased on the lives of women. That's a five percent increase over the past twenty years. Indicative also of the interest among younger women in life insurance, says the Institute, have been the results of a recent nationwide survey of finance-related attitudes of young people between ages 14 and 25.

Conducted by Gilbert Youth Research, Inc., it disclosed that two out of every three young women agreed that "life insurance is a great thing, everybody should have it," the sampling's most positive statement. The proportion for

young men was one out of two.

To protect family

Why do women buy life insurance? Mostly for the same reasons as men. They may have dependents they want to protect, or they want to build or supplement a retirement income plan for their later years. Others have policies to assist their children to get a higher education, or, perhaps, to pay off a mortgage loan on a house. Also, in these days of rising affluence and high taxes, some own policies to protect the value of their estates for their heirs. Women of means may also use their policies as gifts.

Apart from women who work outside the home, there are also the housewives whose death could prove financially disastrous to the husband and family. In situations where young children are involved, it might mean, in addition to the heartbreak, steep financial expenditures for household help, not to mention the resultant loss of income tax advantages for the husband.

As for those who are either unmarried, divorcees or widows, ownership of a life insurance policy represents protection for their families, be they children or other relatives. According to the Institute, widowed, divorced or separated women account for a much higher share of policies purchased than do men of similar status.

For a woman of retirement age, owning a life insurance policy takes on added significance. A retirement income plan through life insurance can mean the difference between comfortable living -- or just getting by. M.G.

TVA chairman to speak to local metals group

Aubrey J. Wagner, chairman of the Board of Directors of the Tennessee Valley Authority, will address the Oak Ridge Chapter of the American Society for Metals at the Oak Ridge Country Club on Wednesday, November 15.

Wagner will speak on "The Energy Crisis." The meeting will be ladies night and will also feature a short demonstration, "Magic in Metals," by John Holder of The University of Tennessee Student Chapter.

Wagner joined TVA in 1934 as an engineering aide. He was named chief of the Navigation and Transportation Branch in 1948, assistant general manager in 1951 and general manager in 1954. He was appointed chairman of the board in 1961.

A native of Wisconsin, he received the B.S. degree in civil engineering from the University of Wisconsin in 1933. He has received honorary degrees from Newberry College and Lenoir Rhyne College.

The meeting will begin with a social hour at 6:15 p.m., dinner at 7 p.m. and Wagner's talk at 8 p.m. Non-members are invited.

ORGDP picnic

A bit on the cool side, but a huge crowd anyway is an apt description of the ORGDP Barbecue-hootenanny held September 30 at the Clark Center Recreation Park.

Shift workers, as usual, came up with succulent, hickory-smoked barbecue with enough tang to take the chill from the autumn afternoon. This was the ninth year that the gaseous diffusion plant has sponsored a successful plant-wide dinner.

NUCLEAR DIVISION NEWS



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UNION CARBIDE CORPORATION
NUCLEAR DIVISION

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TROPHY DEER — Gary Hennon, ORNL's General Engineering Division, recently bagged this trophy class mule deer in the White River area of north-western Colorado.



ORGDP EMPLOYEES ENJOY ANOTHER BIG BARBECUE-HOOTENANNY AT PARK!

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 . . . see page two). You may or may not sign your name. It will not be used in the paper if you so desire.

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: In reference to your question box, 6-22-72, if you will note on your scale pertaining to Social Security benefits after \$800 per month everybody receives an equal share. Now take the Carbide plan after \$800 per month, your scale increases and increases. It looks to me the Government is trying to treat everyone equal. So why can't this Company consider doing the same. After all, you say that AEC pays 7.5% of their earnings on their pension and it is understood the man with the higher salary will pay more and therefore will receive more. Now look at Carbide. The \$2,000 a month man pays equally the same as the \$800 man, a big nothing. It seems fair to me that if the give-away pension was equaled out between the \$600 and \$2,000 man maybe everyone would receive \$400 a month instead of \$182 to \$580, as your scale shows.

ANSWER: Your letter expresses an interesting point of view. Pensions are, however, a form of deferred compensation and should reflect various wage and salary levels. We live in a competitive society. If Carbide were to accept the philosophy of a flat pension for all employees, we would be unable to attract the talent needed to accomplish the work we have to do.

To the extent that the UCC pension is a "give away" one, that is, one financed wholly by the Company, it is a non-discriminatory "give away." The Company puts aside for pension benefits exactly the same amount of money on the last \$100 earned as it does on the first \$100.

In a recent survey by the U.S. Department of Labor, involving 50 companies, every one had retirement programs for their salaried employees which related benefits to an employee's earnings level. With few exceptions, such as auto and steel, these companies also apply the same principle to their plans for hourly employees.

Even Social Security bases benefits on an individual's earnings level until the maximum is reached (\$9,000/yr. now, but scheduled to go to \$12,000 in 1974). While three out of four of the examples used in the June answer reflected maximum social security benefits, actually a large part — perhaps half — of those persons now applying for Social Security benefits will be entitled to less than the maximum.

QUESTION: Recently I have seen several private cars in the Oak Ridge area with small Union Carbide window stickers affixed to them. Are these stickers available to employees?

ANSWER: Stickers such as you describe can be obtained at no charge by contacting the Nuclear Division News office, extension 3-7100. (Paducah employees should contact Bell 369.)

QUESTION: In view of recent discussion in the news media about uncertainties of some pension plans, and in view of discussions and pending legislation in Congress to secure safer pension plans for the people in this country, would you please answer the following questions:

1. Is the Carbide non-contributory pension plan fully funded as yet? If not, how safe and secure is this non-contributory pension plan and its benefits?

2. Can Carbide employees now enrolled in this non-contributory plan expect with certainty a pension in the amount now stated in their benefit summaries (provided, of course, they remain employees until age 65)?

3. Are increases in social security benefits tied in any way to the non-contributory pension plan benefits, i.e. if social security payments increase, will the pension benefits decrease?

ANSWER: A question similar to yours was answered in this column in the October 5 edition of the Nuclear Division News. We think that answer was responsive to your questions No. 1 and No. 2.

Regarding question No. 3, Social Security benefit changes do not affect a retiree's benefits under Carbide's non-contributory Pension Plan.

Toll enrichment sales listed at \$27 million

More than \$27 million in toll enrichment sales were recorded at the Oak Ridge Gaseous Diffusion Plant during the third quarter of 1972, bringing sales for the year to date to approximately \$57 million.

During the third quarter of the year more than 506,000 pounds of enriched uranium were shipped for use in nuclear reactors in Japan and in the following states: Arkansas, Connecticut, Georgia, Illinois, New Jersey, New York and South Carolina.

Under the Toll Enrichment Program, privately-licensed owners bring their uranium to a gaseous diffusion plant for enrichment on a roll basis. Customers are charged for the services required to separate from natural uranium the desired percentage of the uranium-235 isotope, usually between 2 and 3 percent.

Patents granted

To Don E. Ferguson and Leonard E. McNeese, ORNL, for "Method for Reprocessing Spent Molten Salt Reactor Fuels."

To Alvin R. Irvine, ORNL, for "Impact Energy Absorber."

To Marvin E. Whatley, ORNL, for "Method for Reprocessing Molten Fluoride Salt Reactor Fuels."

Union Carbide directors elect diplomat-educator Jerome Holland

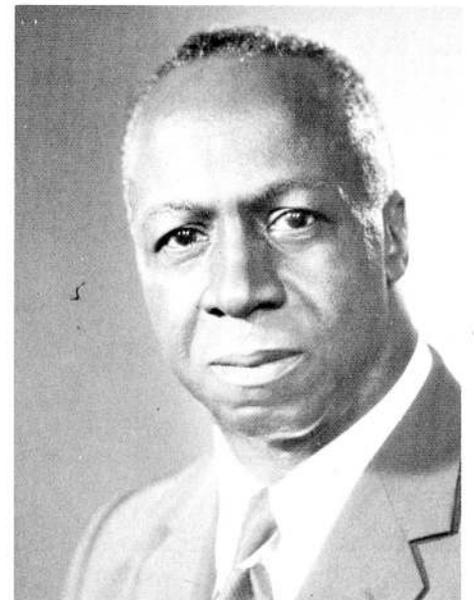
Jerome H. Holland, who retired as U.S. Ambassador to Sweden in September, has been elected a director of Union Carbide Corporation.

The diplomat has had a distinguished career in public service, education and business. His two-and-a-half-year term as Swedish ambassador was preceded by 17 years in education, 10 years as president of Hampton Institute, and seven years as president of Delaware State College. Previously he was with Pew Memorial Foundation, Tennessee A & I State University, Sun Shipbuilding and Drydock Company, and Lincoln University.

Holland is on the boards of the New York Stock Exchange, American Telephone and Telegraph Company, General Foods Corporation, Manufacturers Hanover Trust Company and Manufacturers Hanover Corporation.

Football hall-of-fame

He is a trustee of Cornell University, a member of the Corporation of Massachusetts Institute of Technology and a trustee of the Virginia Museum. He is a director of the American Management Association and a member of the American Political Science Academy, the Academy of Arts and Sciences, the public affairs committee of the Advertising



Jerome H. Holland

Council and a life member of the National Association for the Advancement of Colored People.

An alumnus of Cornell University where he received the degrees of B.S. in 1939 and M.S. in 1941, Holland also has a doctorate from the University of Pennsylvania. In his undergraduate days, he was an All-American end for Cornell for two successive years and was elected to the National Football Foundation's Hall of Fame in 1965.

Authored several books

Holland has received a number of awards for public service. He has honorary degrees from 11 colleges and/or universities, the most recent being the degree of doctor of laws, conferred in June, by Columbia University. He is the author of several sociological works, including a book titled "Black Opportunity," published in 1969.

A native of Auburn, N.Y., where recently the high school stadium was named in his honor, Holland now lives in Bronxville, N.Y. He and Mrs. Holland have two sons and two daughters.

Clocks to be set back one hour 2 a.m. Sunday

Nuclear Division employees will lose that hour of daylight they've been saving all summer. Daylight Savings Time ends in both Tennessee and Kentucky Sunday, October 29.

Clocks will set back one hour at 2 a.m. Sunday, October 29, to comply with Federal and State regulations. Employees in the Oak Ridge area who are at work will leave at their usual time on Eastern Standard Time and in Paducah on Central Standard Time Sunday morning.



COMMISSIONER VISITS PADUCAH — Atomic Energy Commissioner Dixy Lee Ray visits the Paducah Gaseous Diffusion Plant recently to tour facilities there. John L. Clark, left, assistant plant superintendent at the Paducah Plant; and Bernard N. Stiller, area representative for the Paducah area office of the AEC, right, welcome Commissioner Ray.

ORGDP, Paducah, Y-12 plants announce six recent promotions

The Oak Ridge Gaseous Diffusion Plant, Y-12 Plant, and the Paducah Gaseous Diffusion announce six recent promotions, two from each plant. At ORGDP, Hugo K. Hughes and Richard W. Keylon have been named maintenance supervisors. At Paducah, Frank D. Baker has been promoted to a foreman in the Roads and Grounds Department; Bobby Grief has been made a process foreman in the Cascade Operations Division. In Y-12, Frank Horton has been upped to an assembly foreman, and Clyde Feezell has been named a cleaning equipment foreman. Both men are in the Assembly Division.



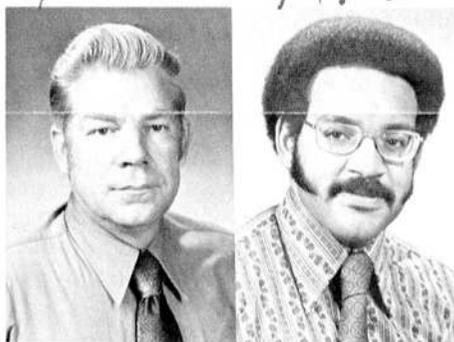
Hughes

Keylon



Baker

Grief



Feezell

Horton



Y-12

RIDE from Edgemoor Road, Miller Apartments, to North or Central Portal, straight day. Glen T. Miller, plant phone 3-5851, home phone Claxton 945-2560.

CAR POOL member from Norwood or Cherokee Ridge area, Knoxville, to any portal, straight day. E.C. Keith, plant phone 3-7615, home phone Knoxville 947-8573.

CAR POOL member from Tacora Hills section, Clinton, to West Portal, straight day. J.R. Williams, plant phone 3-7733.

RIDE or will join car pool from vicinity of Senators' Club, Alcoa Highway, to North Portal, straight day. A.W. Maxey, plant phone 3-5668, home phone Knoxville 577-7432.

ORNL

JOIN CAR POOL from 120 Outer Drive to East Portal, 8:15 a.m. Ron Glass, plant phone 3-6086 or Oak Ridge 483-8020.

JOIN CAR POOL from Fifth Avenue in Knoxville to North Portal, 8 a.m. Gail Steiner, plant phone 3-5048 or Knoxville 524-2671.

Hugo K. Hughes, a native of Decatur, Ala., graduated from Oak Ridge High School and the Technical Institute of Electronics. He has been with Union Carbide seven years.

Mrs. Hughes is the former Patricia Solomon. They live at Route 1, Bland Road, Clinton. They have two children Hugo K. Jr., and James A. Hughes, both in Norris High School.

Richard W. Keylon

Richard W. Keylon was born in Kingston, and is a graduate of Roane County High School there. He is presently attending night classes at Roane State Community College.

The Keylons live at 27 Highpoint Circle, Kingston. Mrs. Keylon is the former Patricia Ann Geary. They have a son, Jeff, attending Cherokee Elementary School.

Fred D. Baker

Frank D. Baker is a new foreman in the Roads and Grounds Department. He and his wife Dorothy live in Paducah with their three children. They are members of the Ninth Street Baptist Church.

Bobby Grief

Bobby Grief has been at the Paducah Plant since August, 1951.

He and his wife, Mary Sue, live on Carneal Road in McCracken County. They have two children, Mary Sue and Michael, and are active in the Forresdale PTA.

Clyde D. Feezell

Clyde D. Feezell is a native of Blue Mountain, Ala. He came with Union Carbide April 9, 1961. A veteran of the U.S. Army, he is an active member of the Loudon County Rescue Squad.

The Feezells live at Route 1, Lenoir City. Mrs. Feezell is the former Margie Thomas. They have two children, a married daughter in Portsmouth, Denise Moats; and a son, David, in the seventh grade.

Frank E. Horton

Frank E. Horton, a native of Knoxville, came with Union Carbide June 9, 1969. He has attended The University of Tennessee.

Horton, who is single, lives at 134 Waddell Circle, Oak Ridge.

JOIN or form car pool from Cedar Bluff-Wedgewood Hills area to either portal, 8:15 a.m. J.F. Land, plant phone 3-6878 or Knoxville 693-4592.

JOIN CAR POOL from Clifty Street in Harriman to East Portal, 8 a.m. Julia Harris, plant phone 3-1467 or Harriman 882-0248.

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

"Even the taxpayer's patience is being taxed these days."

Nuclear Division deaths

John L. Hutton, wage and salary administrator in Y-12, died October 1 in a Nashville hospital.

Mr. Hutton, a native of Indiana, was a veteran of the Merchant Marines. He joined Union Carbide at ORNL in 1947 and transferred to Y-12 in 1954. He was named wage and salary administrator in 1968.



Mr. Hutton

Survivors include his wife, Mrs. Peg MacDonald Hutton, 120 Normandy Road, Oak Ridge; a son, John; daughter, Barbara; four brothers and four sisters. One of the surviving brothers, Fred Hutton, is an employee at ORGDP.

Funeral services were held at the Chapel on the Hill, Oak Ridge, with the Rev. James L. Williams officiating. Burial followed in the Oak Ridge Memorial Gardens.

Mrs. Estelle (Katie) Goad, a process operator from Y-12, died in an Oak Ridge Hospital October 16. The cause of her death was determined as leukemia.



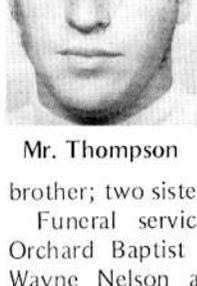
Mrs. Goad

A native of Englewood, Mrs. Goad came to Y-12 in 1944. She was living at 111 West Elm St., LaFollette, at the time of her death.

Survivors include a daughter, Mrs. Virginia L. Gregori; two grandsons and a granddaughter; two stepsons Tom and Harliss Goad, and a step-daughter, Mrs. Joe Bruner; and a sister.

Funeral services were held at the Cross Funeral Home with the Rev. J. LaBelle officiating. Burial was in the cemetery at Englewood.

Robert E. Thompson, Y-12's Dispatching Department, died October 16 at his Route 2, Harriman home, from electrical shock.



Mr. Thompson

Mr. Thompson came with Union Carbide in September of 1970. He was a Roane County native.

Survivors include his wife, Mrs. Patsy Willis Thompson; a son Robert E. Jr., and a daughter Angela; his parents, a brother; two sisters, and his grandparents.

Funeral services were held at Pine Orchard Baptist Church with the Rev. Wayne Nelson and the Rev. Kenneth Stubbs officiating.

Riley Wilkerson Jr., a chemical operator at ORGDP, was killed in an auto accident October 13, near the Knox-Anderson County line.



Mr. Wilkerson

Mr. Wilkerson, a native of this area, was a graduate of Clinton High School, and also a student of mechanics at the Fulton Vocational School, Knoxville. He came with Union Carbide nearly four years ago.

Survivors include his wife, Mrs. Loretta Wilkerson; two children, Jeffrey and Vanessa; his parents; grandmother; two brothers; a sister; and seven nieces and nephews.

Funeral services were held at the Hayden Chapel Methodist Church, Claxton, with the Revs. J.E. Hill, L.L. McGee and D.A. Willis officiating. Burial was in the church cemetery.

James R. Aytes, Y-12's Fabrication Division, died October 15 at the Oak Ridge Hospital, from an apparent coronary attack.



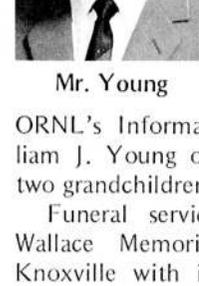
Mr. Aytes

A native of Ft. Smith, Ark., Mr. Smith came to Y-12 July 17, 1950. He worked at the U.S. Navy Yards before coming with Union Carbide.

Survivors include his wife Mrs. Florence Nancy Aytes, 603 Peachtree Lane, Kingston; and two sisters.

Funeral services were held at Booth Funeral Home with burial in Roane Memorial Gardens.

James M. Young, materials supervisor in ORNL's Plant and Equipment Division, died at his Knoxville home on October 3 after a lengthy illness.



Mr. Young

Young came to ORNL in August 1943. He was a member of Alpha Lodge No. 376 F&AM of Clinton. The family home is at 2313 Capri Drive. Survivors include his wife Mrs. Drama Young; two sons, James A. Young of ORNL's Information Division and William J. Young of Philadelphia, Pa.; and two grandchildren.

Funeral services were held at the Wallace Memorial Baptist Church in Knoxville with interment at Tennessee Valley Memorial Gardens.

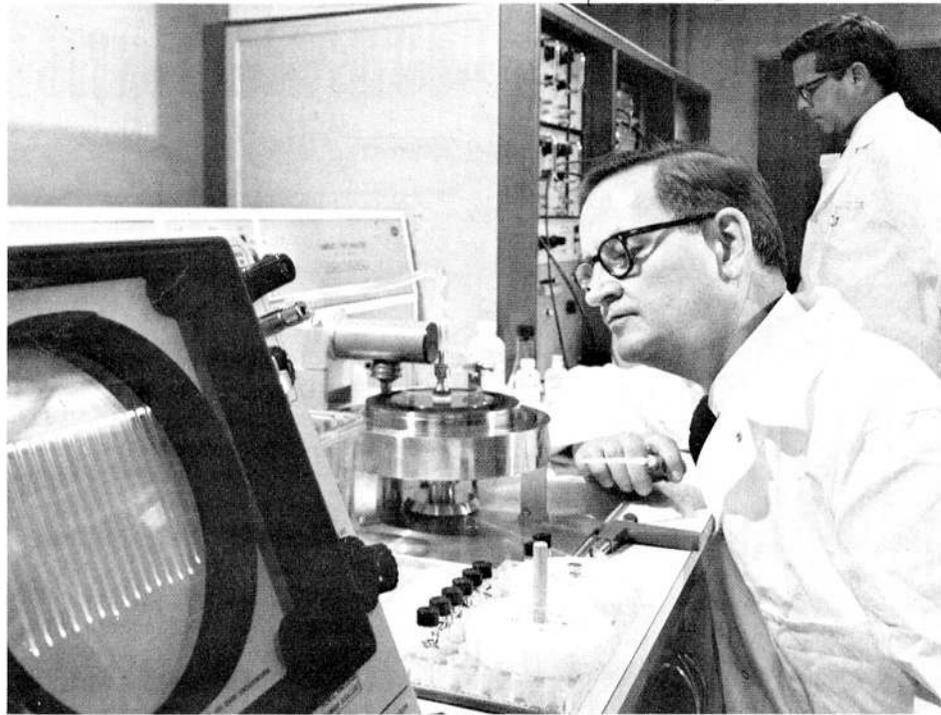
UNICEF 'trick-or-treat' money goes to children!

Among the ghosts and goblins on Halloween this year in the Paducah area and Oak Ridge will be youths participating in "Trick or Treat" for UNICEF. In Oak Ridge the young will be represented by the Girl Scouts, Campfire Girls, Key Club and Anchor Club members.

Last year a tremendous job was done in support of this collection and much

needed assistance went to Bangladesh. UNICEF was the only organization that was able to go in and help the literally millions of people left destitute, over half of them children.

Programs of aid and self-help are still being carried on. UNICEF is able to give almost instant emergency relief aid, but also maintains long range programs.



RECEIVES CITATION — Norman G. Anderson, director of the Molecular Anatomy Program, will receive a citation next month from the Atomic Energy Commission for his contributions in developing a centrifuge system.

MAN's Anderson cited by commission for outstanding nuclear contributions

An ORNL biomedical researcher has been named with two others to receive Atomic Energy Commission citations for outstanding contributions to the nuclear energy program.

The citations will be presented to Norman G. Anderson who headed the development of ORNL's centrifuge system for mass production of a pure influenza vaccine; Jesse W. Beams of the University of Virginia, a pioneer in the development of the gas centrifuge for separating isotopes and AEC's use of this process for separating uranium isotopes; and George C. Cotzias whose Brookhaven National Laboratory team developed the first successful treatment of Parkinson's Disease using L-Dopa.

The awards, each consisting of a citation and a symbolic medallion, will be presented at AEC headquarters in Germantown, Md., on November 2.

Anderson, director of the Molecular Anatomy Program at ORNL, directed a group of scientists and engineers in the

development of instruments for use in research and clinical laboratories. Specifically, he headed the development of centrifuge systems for the isolation and purification of large quantities of sub-cellular minute particles that retain their structural and functional integrity. A biologist with unique capabilities in biomedical instrument design, Anderson helped fabricate a centrifuge system which led to large-scale production of a vaccine of extremely high purity and efficacy with few, if any, of the side effects associated with other vaccines. The extension of this system to commercial production of other much needed vaccines is anticipated.

Anderson, a native of Davenport, Wash., came to ORNL as an AEC post-doctoral fellow in 1952 and joined the staff in 1953. He received the B.A., M.A. and Ph.D. (Cell physiology) degrees from Duke University. He became director of the MAN Program in 1968.

Anderson is a member of numerous professional societies and is a member of the Advisory Board of Analytical Biochemistry. He is a member of the Ad Hoc Working Group on Virus Induced Tumor Specific Transplantation Antigens (VISTA) of the National Cancer Institute and an advisor to the American National Red Cross on blood fractionation.

Secretarial improvement course begins October 31

The second in a series of six courses for secretarial improvement will begin on October 31. The course, Secretarial Procedures and Administration, will be held on Tuesdays from 6:30 to 8:30 p.m. at the Oak Ridge High School through November 28. One entire class will be devoted to computers and data processing, their functions and terminology. Sponsored by the Oak Ridge Chapter of the National Secretaries Association, the classes will be taught by Mrs. Yvonne Lovely. Contact Bettye Burns, 3-1306, for information on registration and textbooks.

Y-12 hosts machining-gaging clinic to apprise industry of developments

The Y-12 Plant will play host to a precision Machining and Gaging Clinic to be held in Oak Ridge, November 14-16, co-sponsoring the meeting with the Society of Manufacturing Engineers.

The clinic, the first of its type to be conducted by Y-12 Plant personnel, is a project of the Nuclear Division's Industrial Cooperation Program. The purpose of the program is to apprise industry of developments arising out of government-sponsored work which may have commercial application.

Y-12 developments

The clinic will concentrate on the high-accuracy, close-tolerance aspects of precision machining, dimensional measurement and gaging. Conventional machine shop practice and high production rate operations will not be discussed.

Demands for higher accuracy and closer tolerances led to the Y-12 development of precision machine components such as air-bearing spindles and automatic tool-setting devices. The practical applications of these developments will be discussed along with machine improvement programs that have enabled Y-12 to upgrade its capability for precision machining and gaging.

Y-12ers are co-leaders

In addition to developments, clinic speakers will discuss facility and environment for precision machining and gaging and equipment and procedures of machining and gaging tools. The application of numerical and computer controlled machines to both machining and inspection of complex, close-tolerance parts, and the routine and preventive maintenance of precision machines and associated control systems will be described.

Co-leaders of the clinic are Martin A. Broders, responsible for Y-12's technical information activities, and Leonard G. Whitten, Jr., who directs the precision machining and metrology activities of the Fabrication System Development Department.

Newell Bolton appointed TTU adjunct professor

Newell E. Bolton, supervisor of the Industrial Hygiene Section of ORNL's Health Division, has been named the first adjunct professor at Tennessee Techno-



Bolton

logical University. He will be teaching part time in the graduate school of Civil Engineering. His efforts will be directed toward setting up a program of industrial hygiene. He received the B.S. degree in chemistry from the University of Georgia. In 1952 he joined ORGDP as a junior chemist. He later was an industrial hygienist at Y-12, at the Tech Center of Union Carbide Corporation in Charlestown, W. Va., and served as a consultant in industrial hygiene at Oak Ridge Associated Universities. He became supervisor of industrial hygiene at ORNL in 1961. He is certified as an industrial hygienist by the American Board of Industrial Hygiene.



Broders

Whitten

Clinic sessions will be held at the Holiday Inn in Oak Ridge. Attendees will earn 18 professional credits toward recertification under SME's Manufacturing Engineering Certification program.

Topics listed

Technical session chairmen will be Dewey L. Foulk, Samuel M. Murphy, Whitten, Romeo C. Green, George R. Bright, Roy L. Williams, Theodore W. Robinson and Broders. Other Union Carbide personnel participating in the clinic include: John M. Googin, Byron H. Hale, Ernest E. Choat, John W. Bagwell, Harwell G. Smith, Paul J. Anderson, Hilton A. Tunnell, Paul J. Steger, Jack L. Huff, Clark M. Lay, William M. Warmbrod, Spivey S. Douglass, William F. Jones, M. Eugene O'Hara, Thomas W. Bookhart, Joel W. Garber, Wayne A. Groppe, Jack Conn, William E. Stephens, Theodore A. Arehart Jr., John S. Hurst, William H. Rasnick, William D. Cain, Harold A. Fell, John W. Smith, Tim R. Butler and Roger L. Davis.

Following is a list of clinic topics: procurement specifications, preparation and installation, environmental and cleanliness control, "clean" electrical power, numerical control part programming, machine and component performance evaluation, straightness and alignment checks, interferometric measurement techniques, application of air bearings, microinch machining, high speed photography, machine tool upgrading, part support, specialized gaging equipment data collection and correction, computer controlled machines, NDT dimensional measurement, preventive maintenance program, machine and control routine maintenance, spindle thermal effects, precision cutting tools, open loop control systems, air bearing rework and impregnation, automatic tool setting, statistical machine evaluation, inspection machine upgrading, displacement transducer calibration, gage calibration and control systems, air bearing LVDT, and problem solving sessions.

Foreign travel

Charles E. Clifford, associate director of Neutron Physics Division, attended the Fourth International Conference on Reactor Shielding in Paris, France, October 9-13 and presented two papers on recent accomplishments in the LMFBR shielding program at ORNL.

Everett E. Bloom, Metals and Ceramics Division, will present "Correlation of Structure and Ductility of Irradiated Austenitic Stainless Steels" at the British Nuclear Energy Society Conference on Irradiation Embrittlement and Creep in Fuel Cladding and Core Components, November 9-10 in London, England.

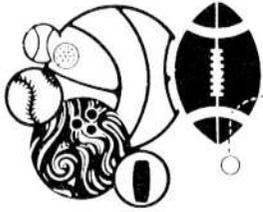
ASQC-ASA conference set at UT campus Oct. 19-20

The sixteenth annual Fall Technical Conference held by the Chemical Division of the American Society for Quality Control is scheduled for October 19-20 in Knoxville. Co-sponsored by the section on physical and engineering sciences of the American Statistical Association, it will be held at the Regency Hyatt.

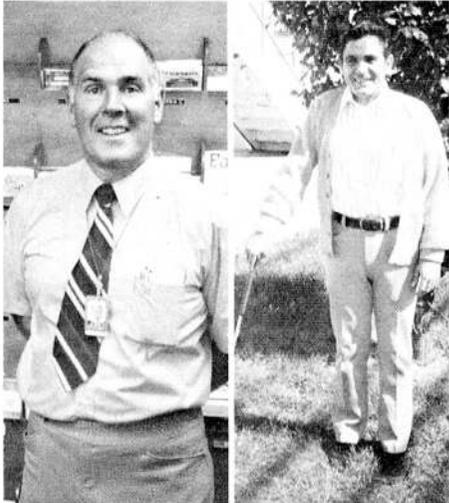
Four Union Carbide technicians will offer papers at the conference.

Charles W. Holland, Y-12, will speak on "The Operation of a Laboratory Measurements Control Program." John M. Gerwels, also of Y-12, will speak on "The Use of Screening Experiments in the Optimization of a Chemical Process."

Two ORNL papers will also be given. Raymond K. Adams will speak on "Limited Advantages Associated with Mini-Computers in Process Control and Computation," and Forest L. Miller will speak on "Modern Methods of Data Analysis Applied to Reactor Technology."



SPORTS NOTES



Robertson

Gresham

Two Y-12ers scored holes-in-one recently . . . at different golf courses.

J.D. Robertson Jr., aced hole number two at Lakeside on October 1. Using a number nine iron, he scored on the 155-yard hole. Witnesses were Paul Colyer, Ira Henry and Gordon Hamilton. This was J.D.'s first ace at Lakeside, . . . his third in all.

Jack Gresham had Harold Alvey, Harold Bell and Aaron Smith along with him on hole five at South Hills, when he aced the 187-yard hole.

ORNL BOWLING

The Barracudas boast a five-point lead in the C League, as of October 11. E.F. Roy recently rolled a 665 handicap series for the Alley Rads.

The Limits are one point ahead of the Guttersnipes in the E League, as the Dodads dig in third place.

The A League sees the ORAU team one-half point ahead of the Ten Pins. Their E. Carlton rolled a 663 handicap series recently; and the Eagle Eyes' J. Meador posted a 235 handicap single.

The Ladies' League puts the Pick-Ups in first place, three ahead of the Strikettes and Spinners.

"If there is any person whom you dislike, that is the very person of whom you ought never to speak."

. . . Cecil

ORNL GOLF

After two postponements, ORNL's final golf tournament of the year got played! John Cornelius took honors at Southwest Point, as the ORNL greensmen teed off for the final battle. His 72 was low scratch score of the day. Walt Cox took handicap honors in division one with a plus 5.

In the second division it was Bill Sheill with an 81; and L.C. Manley with a plus 6 for handicap laurels. In the third flight P.R. Long fired an amazing 79. Claude Stringer's plus 7 was handicap low.

ALL CARBIDE VOLLEYBALL and SOFTBALL

The Recreation Department is taking teams for entry in the winter volleyball and basketball leagues, telephone 3-5833. They need team name, name and phone number of captain and co-captain. Both men and women are invited to join leagues. Deadline for entry is November 24.

ALL CARBIDE TABLE TENNIS

Employees wishing to enter table tennis leagues for the winter should contact the Recreation Department, 3-5833. Deadline for entry is November 24.

ORGDP BOWLING

The Amps are one-and-a-half points ahead of the Rookies who are three ahead of the Planners. The Sandbaggers posted a 3032 handicap series recently.

The Possibles passed the Double X team in the Tuesday League recently . . . by a mere half point. J.V. Green rolled a 690 handicap series in October rolling.

The Women's Bowling League from ORGDP have the Up-towners up there with 16 points, two away from the Pay-Offs. Vernice Clower was hero recently rolling a 523 scratch series.

ALL CARBIDE BOWLING

The SASA's are one point ahead of the Lucky Strikers in the Family Mixed League, as of October 6.



PRIZE RIFLEERS — Winners of the All Carbide High Power Rifle League are, left to right, Don Kiplinger, Carl Brewster, Jack Mrochek, Vic Fowler and Joe Crowell. Jack Huff, not pictured, took first place scratch.

Paducahan's son begins training at AF Academy

Earl C. Simmons Jr., son of Earl C. Simmons Sr., Paducah's Maintenance Division, has begun training in the U.S. Air Force Academy.



Simmons

Cadet Simmons qualified for final acceptance into the cadet wing by completing seven weeks of basic training that included physical conditioning, military and survival instruction and field training at a simulated frontline combat base located near the academy. He is a member of the largest freshman class (1,300) in the history of the academy, now in its 18th year of operation.

The cadet is enrolled in a four-year course of academic study and military training working toward a bachelor of science degree in one of 21 major fields of interest. He will be commissioned a second lieutenant in the Air Force, also, on graduation.

Cadet Simmons completed a 10-month course of instruction at the Academy Preparatory School before receiving his appointment. He is a 1971 graduate of Carlisle County High School where he earned letters in basketball and baseball.

The Simmons live at Route 1, Arlington.

Y-12 BOWLING

The Eightballs hold a four-point lead in the Classic League after six weeks of bowling. They are that far out in front of the All Stars . . . while the Markers, Splinters and Has Beens breath down the second-placed team's neck. The Bumpers recently rolled an 1106 handicap game!

The Hits and Misses hang onto a lead in the Y-12 Mixed League, two and one-half points ahead of the Rollers.

The Badgers hold a bare lead in C League standings, only a half-a-point away from the Rollmasters, while the Anodes anchor down the third slot. Bill Ladd rolled a 268 game recently . . . and a 642 series!

UN Day celebration set in Ridge with big dinner

United Nations Day will be celebrated in Oak Ridge with a covered dish supper at the Oak Ridge High School, November 2, at 6:30 p.m.

Dr. James Turpin, founder of Project Concern, will be the dinner speaker. The evening will end up with folk singing and dancing.

Tickets are \$1.50 (if you bring a dish which serves from eight to 10); \$4.50 per person with no dish; \$1 for students through high school. Everyone in the community is invited to attend. Reservations should be made through Mrs. Waldo E. Cohn, Mrs. Paul Spray, Mrs. Gary W. Walters or Mrs. Toby Mitchell.

Members of the International Relations Club at ORHS are serving as host for the dinner, and will coordinate the publicity for the affair.

"Only a mediocre person is always at his best."

. . . Somerset Maugham

COMPANY SERVICE

—20-25-30—

ORNL 25 YEARS

David J. Irby, Frank W. Manning, Margaret N. Dunham, William E. Shockley, May E. Pepper, Glen I. Gault, Ned M. Clark and James N. Smith.

20 YEARS

James W. Kingsley, Albert S. Meyer Jr., Richard W. Poole, Otis J. Smith, Samuel S. Hurt III, Elder R. Mellon, Charles R. Miller, Levi F. Bailey, Alexander Marion, Kenneth L. Vander Sluis, Daris C. Richesin, Everett L. Biddle Sr., Luther M. Jennings, Lawrence R. Hall, James R. Croley Jr., Samuel E. Bolt, and Herbert C. Cox.

Reginald Gwin, Clinton L. Haley, James A. Wallace, James T. Hill, Lonnie W. Gilley, Clyde Hamby Jr., James H. Marable, Elise W. Johnson, Marion G. Ailshie, Robert H. Seals, Hoytte C. Easter, Hoe H. King and James M. Gallo-way.

Y-12 PLANT 25 YEARS

James R. Martin, Glynn A. White, Jasper S. Prorise, Evelyn L. Viles, Carl G. Wolfe, John A. Stone, Frank N. Yodzukinas, Herman M. Jenkins, Joseph W. Gossage, Edward F. Smith and Wynetta W. Patterson.

20 YEARS

Elmer C. Hatmaker, Cleo Sideris, Reginald T. Lovell, Gaines A. Norman, Keys D. Bolling, Don E. Troutman, Warren C. Kitchings, Marion Chludzinski, Freeman B. Parrott and Lewis C. Watson.

PADUCAH 20 YEARS

David R. Wilson, Roy W. Perkins, W.A. Brown Jr., Alton Ross, Rupert E. Wyatt, Robert G. Kinney, Carroll A. Rector, Norman L. Harper, Frank L. Miller, Dalton D. Scott, Max W. Thurmond, William H. Fox Jr., James R. Wood, Charles E. Dallas, James C. Kingcade, Lois E. Davis, W. Glenn Stout, L.B. Sullenger, George W. Harned, Betty L. Barbre, Arthur L. Lewis and James L. Hayden.

Shakespeare comedy opens at Playhouse, November 3

The Oak Ridge Playhouse will present William Shakespeare's comedy, "A Midsummer Night's Dream," on November 3, 4, 10, 11, 17 and 18 at 8:20 p.m. A matinee will be presented at 2 p.m. on November 11. A special school performance has been tentatively scheduled for Thursday, November 16.

Tickets go on sale at the box office November 1, at 10 a.m. Both individual tickets and season tickets may be reserved by telephoning 483-1224 during business hours. Student rates are in effect for all Friday performances.

Treatment of diabetes

(Editor's Note: Dr. Lincoln would like to begin answering health questions from employees. Questions will be handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," c/o NUCLEAR DIVISION NEWS, Building 9704-2, Stop 2, or call the news editor in your plant, and give him your question on the telephone.)

By: T.A. Lincoln, M.D.

In June, 1970, a group called the University Group Diabetes Program (UGDP) reported to the American Diabetes Association that oral hypoglycemic agents may not be a good treatment for diabetes. This report set off a hot controversy but the basic conclusions have survived aggressive criticism.

The UGDP was a prospective study involving 823 patients located in 12 clinical centers, who had been divided into four groups of approximately 200 patients each. All patients met certain criteria for the diagnosis of diabetes and general health at time of entry into the study. They were divided into four regimens; diet plus a placebo (a substance having no pharmacological effect but looking like the medication being tested), diet plus tolbutamide (Orinase), diet plus standard insulin (10 to 16 units



Lente insulin at a fixed dosage, depending on body surface area), and diet plus variable insulin (dosage of Lente insulin sufficient to control blood sugar).

After eight-and-one-half years of observation, the UGDP arrived at two basic conclusions. Diet and tolbutamide therapy for the treatment of mild maturity onset diabetes was no more effective than diet alone in prolonging life. The findings suggested that tolbutamide plus diet may be less effective than diet alone, or than diet plus insulin, at least as far as deaths from cardiovascular disease were concerned.

Unanswered question

As a consequence, the Food and Drug Administration recommended that the use of the oral agents (Orinase, Dimelor, Diabenase, Tolinase) should be limited to those patients with symptomatic adult onset diabetes which cannot be adequately controlled by diet or weight loss alone, and in whom the addition of insulin is not practical or is unacceptable. A comparable UGDP study of phenformin (DBI) reported in 1971 came to essentially the same conclusions.

The big question, then, was why? Are the oral substances toxic by themselves, or was the slightly higher cardiovascular mortality merely a reflection of less adequate control of the diabetes? This question has not yet been answered.

Diet often neglected

Outside the study, it has been a common observation that many patients assume that the oral agents are the most important part of their treatment and, as a consequence, they neglect their diets. Frequently there is only a feeble attempt to get their weight down to an ideal level and hold it there. The control of their diabetes is therefore often poor or marginal.

The most important problem in managing adult onset diabetes is measuring the success of the control efforts. Testing

the urine for glucose is often unsatisfactory since many patients with elevated blood glucose levels will not excrete the excess in their urine. (Patients with juvenile onset diabetes are lucky, in one sense, since they can easily follow their control with simple urine tests.) Frequent blood glucose tests are not practical and besides, each one only tells the physician what the level was at the moment the blood was collected. Testing the level after a 12-hour fast is misleading because many mild diabetics will still have sufficient glucose regulating capacity to catch up overnight. During the day, however, their blood glucose levels may go quite high following meals. If the patient follows a strict routine of diet and exercise, there is a good chance that one day's blood glucose measurement will be representative of most days. Unfortunately, few patients are willing to follow such a strict regimen. On the day of the test they are on "good behavior" but often lapse soon after.

Diet is the key

Many patients with adult onset diabetes have been frustrated and disappointed at their response to the oral medication. After struggling for a number of years, their physician will finally put them on insulin and they are amazed at how much better they feel. Although a flexible diet-insulin treatment requires intelligence and diligence to succeed, it usually results in better control. Because of the problems in monitoring control, diet is still the key to successful treatment.

It is difficult to be sympathetic with adult diabetics who are unwilling to take insulin. Their squeamishness at taking insulin injections is a little childish. When one considers the ease with which a few young people now pop various drugs into their flesh, and others inject themselves intravenously to get a brief "high," it is a little hard to be sympathetic with a whining adult.

There is recent evidence that nerve damage (diabetic neuropathy) is related to a prolonged elevated blood glucose level. Studies have been conducted on individually separated nerve fibers in animals, and the segmental demyelination was found to be less pronounced in the nerves of animals with controlled diabetes than in those with untreated diabetes. Another reason for good control is the increased likelihood of developing acute or chronic infections when the blood glucose is chronically elevated. Even though, as yet, diet and insulin treatment may not prevent the cardiovascular disorders which are more common in diabetes, it should make the diabetic feel better and have fewer infections - a considerable reward.

TSPE MEETING

The Oak Ridge Chapter of the Tennessee Society for Professional Engineers will meet November 9 in Oak Ridge. The meeting, beginning with a social hour at 6:30 p.m. will be held at the Alexander Motor Inn. Mack S. Prichard, Tennessee State Archeologist, will speak. Reservations should be made through George Doyle, 3-3557.

John Totter named associate director for biomedical, environmental sciences

The appointment of John R. Totter as ORNL associate director for Biomedical and Environmental Sciences was announced last week. The appointment will be effective November 1.

Totter will replace James L. Liverman, who will assume Totter's former responsibilities as director of the Atomic Energy Commission's Division of Biomedical and Environmental Research.

In his new position, Totter will be responsible for ORNL management overview of the Laboratory's biological and medical programs and the extensive environmental research effort.

Totter first became associated with the U.S. atomic energy program as a chemist at ORNL in 1952. Four years later, he joined the AEC as a member of its headquarters staff, serving until 1958, and from 1962 to present. He was a visiting professor at the Facultad de



Medicina, University of the Republic, Montevideo, Uruguay from 1958 to 1960, and was a professor and chairman of the Division of Biological Sciences at the University of Georgia from 1960 to 1962. Totter rejoined AEC in 1962, as an assistant director for biological sciences in the Division of Biology and Medicine. He was appointed associate director for research in 1963 and, in 1967, was named Director of the Division of Biology and Medicine (later renamed the Division of Biomedical and Environmental Research).

Totter was a member of the faculty of the University of Arkansas School of Medicine from 1939-1952, and at the West Virginia University School of Medicine from 1938-1939.

He was born in Saragosa, Tex., and received his B.A. and M.A. degrees in chemistry from the University of Wyoming and his Ph.D. in chemistry from the State University of Iowa.

Taylor daughter wins high scholarship honors

Gay W. Taylor, a senior at Knoxville Catholic High School, has been named a semi-finalist in the National Scholarship Program for Outstanding Negro Students.



Miss Taylor

She follows in her sister, Joy's, footsteps, who took the same honor in 1969.

Miss Taylor plays clarinet and guitar and is on the year book staff at Catholic High. She likes to draw and paint, especially horses. She is an accomplished

equestrian.

Her mother, Jimmie Taylor is in Y-12's Plant Records, and her father Stewart Taylor Jr., is in the Electrical Department.

Next Issue

The next issue will be dated
Nov. 16. The deadline is Nov. 8.



CITED BY SME — Bill G. Myers and Paul F. Boyer, left to right, have received the Society of Manufacturing Engineers' Award of Honor for their contributions to the society. Myers, currently a member of the National Constitution and Bylaws Committee, was cited for his 70-71 work; Boyer, secretary-treasurer of Region V, was cited for his 71-72 contributions. Both men are in Y-12's Numerical Control Engineering. SME, with 44,000 members in 40 countries, seeks to advance scientific knowledge in the field of manufacturing engineering and to apply its resources to research, writing, publishing and disseminating such information.

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DIVISION Retirees

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Mrs. Hickenbottom

Betty Hickenbottom, a long-time employee of the Maintenance Division at the Paducah Plant took early retirement recently.

Mrs. Hickenbottom had nearly 20 years service. She lives at 1329 South Ninth Street, Paducah.



Marcum

Whitlock

Two long-time ORGDP employees end careers with Union Carbide at the end of October, as Francis M. Marcum and Virgil L. Whitlock retire.

Marcum, who came with Union Carbide August 5, 1955, is in the Maintenance Department. He lives at 114 Wakefield Road, Oak Ridge.

Whitlock, who also came with Union Carbide in 1944, retires from the Guard Department. He lives at 1205 Monroe Street, Sweetwater.



Jeffreys

Two long-time Y-12 employees, both in Maintenance, retire October 31.

Morris Bailis, Research Services, came here August 11, 1944. A native of Brooklyn, N.Y., he now lives at 111 Parsons Road, Oak Ridge.

Buildings, Grounds and Maintenance Shops Department sees Lonnie A. Jeffreys retire to his 8000 South Burchfield Drive home. Jeffreys is a native of Town Creek, Ala.

96661



Houston

Two long-time ORNL employees will be retiring at the end of October. John A. Kinnane, a chemist in Isotopes Division, joined ORNL in February of 1947. He lives at 3927 Lowe Street in Knoxville.

Jack Houston, a laborer in Plant and Equipment Division, joined ORNL in June of 1944. He lives on Route 3, Madisonville.

CALENDAR of EVENTS

TECHNICAL October 27

Metals and Ceramics Division Seminar: "Excitation Energies in Solids," T.C. Collins, ARL, Wright-Patterson Air Force Base, Ohio. East Auditorium, Building 4500N, 10 a.m.

November 1

ORNL-NSF Environmental Program Seminar: "New Governmental Institutions for the Management of Environmental Problems in Germany and the United States." Kenneth Hauf, University of California at Davis, Building 3047, Isotopes Auditorium, 10 a.m.

November 2

Gas-Cooled Reactor and Thorium Utilization Programs Bi-monthly Information Meeting: "GCFBR Steam Generator Modeling Studies," O.W. Burke; "Evaluation of Amoeba Effect in HTGR Fuels," T.B. Lindemer; "Postirradiation Evaluation of HTGR Fuels in Capsules H-1/H-2," A.R. Olsen; and KALC Process Performance Based on Calculations," M.E. Whatley. East Auditorium, 4500N, 9 a.m.

November 11

Biology Division Seminar: "Ribosomal Synthesis and Maturation in *Saccharomyces Cerevisiae*," Terry L. Helsner, University of California, Irvine. Large Conference Room, Building 9207, Y-12, 3 p.m.

November 15

Metals and Ceramics Division Seminar: "Vibrational Spectroscopy of $PbZrO_3$," A.E. Pasto. East Auditorium, Building 4500N, 2:45 p.m.

"Appetizers are those little things you keep eating until you lose your appetite."

COMMUNITY October 28

Oak Ridge Civic Music Association presents: Deller Consort, Oak Ridge Chorus in a Christmas Program. Oak Ridge High School Auditorium. Admission: Adults, \$4; students \$2.

November 2

Atomic City Stamp Club November Meeting: Fall club auction, Oak Ridge Civic Center, 7 p.m.

November 3

The Oak Ridge Playhouse presents William Shakespeare's comedy, "A Midsummer Night's Dream." Oak Ridge Playhouse, 8:20 p.m. Other performances November 4, 10, 11, 17 and 18.

November 5

Oak Ridge Arts Council-Oak Ridge Civic Music Association concert: Valentin Gheorghiu. 8:15 p.m. Oak Ridge High School auditorium. Admission \$3.50 adults, \$2 students.

November 11

East Tennessee Council, National Association of Investment Clubs Annual Workshop: Shiloh Room, University Center, UT, Knoxville, 9 a.m. to 3:30 p.m. Admission \$5, including lunch; \$3.50 without lunch.

November 12-26

Carbide Camera Club's 1972 Salon: Display in the gallery of Oak Ridge Community Art Center. Deadline for entries, Friday, October 27.

NOVEMBER 7 DEADLINE

Tuesday, November 7 is the deadline for voting in America! Make sure your vote counts . . . but, remember, it doesn't get counted unless it is cast. So vote your convictions Election Day. Your country will be the better for it.



CHOSEN TO LEAD — Jeff Cates and Ruth Ann Harris will be drum major and drum majorette for Paducah Tilghman High Schools Band of Blue for the new season. She is the daughter of Clifford and Mabel Harris (he's in Operations); and Jeff is the son of Martha (in Industrial Relations) and Bill Cates. Both seniors were chosen for their achievement, leadership abilities and popularity.

OCAW-Carbide agree

(Continued from page 1)

addition, it includes a 14 cents-an-hour adjustment to the craft rate, and a 12 cents-an-hour adjustment to the rate for operators. The contract calls for wage reopeners at the end of the first and second years.

The new contract calls for an immediate increase in the craft rate of 32 cents, bringing it to \$4.90 per hour; operator, 29 cents, to \$4.64 per hour; and the average rate for laborers, 14 cents, to \$3.52 per hour.

The new contract will expire on October 14, 1975.

Company Service

ORGDP
25 YEARS

Robert L. Farrar Jr., and Wallace K. Kirkland.

20 YEARS

Otto E. Unger, Paul T. Hundley Jr., George T. Dillon and Bernard J. Schaefer.