

ORNL 2347-82



In this issue...

Business at the four Nuclear Division visitor attractions is fairly booming, as these two guests at ORNL's Graphite Reactor joined thousands of others who have visited the areas during recent weeks. A story and additional photo are found on page 8.

Also in this issue is a feature on Engineering's Herman Jinks, who has found an unusual but rewarding way to spend his spare time. See story on page 7.

Other features:

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New awards program

Employees to be honored for service to community

The Nuclear Division has announced its participation in Union Carbide's newly established Community Service Awards Program, which recognizes employees who continuously demonstrate their commitment to community service.

Thirty-seven Division employees will be recognized this year as part of the program, entitled "Right Under Your Nose Is Someone Special." Ten awards will be presented at each of the three Oak Ridge installations and seven at Paducah. The number of available awards is determined by each facility's employee population.

Employees who are engaged in voluntary, uncompensated activities that benefit the community are eligible to be nominated by fellow employees or by themselves. Selection committees at each facility composed of Carbide and community representatives will review the nominations and select the award recipients, based on the following criteria: the amount of time devoted to community involvement; whether the employee has demonstrated the commitment during continuous, long-term service, rather than in a short-term, one-time project; the amount of leadership demonstrated; the creativity demonstrated in initiating and implementing projects; and the significance of the activity to the community's quality of life.

The awards will be presented at a special ceremony in September. Each recipient will receive a letter of commendation, an award certificate and a pin, in addition to a \$200 award to be contributed to the community organization(s) of the employee's choice.

Nomination forms and additional information about the Community Service Awards will be available soon to Nuclear Division employees. Installation program coordinators are: Y-12, Kathy D. Coleman; ORGDP, Harry G. Conner; ORNL, W. Charles Kuykendall; and Paducah, Howard Pulley.

Blood drives to resume at Oak Ridge installations

An acute shortage of blood exists in the Tennessee area, as in most parts of the country. Usage is up by 70 percent in many area hospitals. To help meet this need, Union Carbide plans to resume Bloodmobile visits at the three Oak Ridge installations in the near future.

The blood will be collected by Medic, a volunteer, nonprofit community blood bank serving 27 hospitals in 20 counties in the area, which includes most of the region where Oak Ridge Nuclear Division employees live. (Paducah employees have been participating in the Red Cross regional program through the Nashville Center.)

Installation visits

The first drives will be held at ORGDP in late July, at ORNL in September and at Y-12 in November. Chairmen and divisional coordinators will be announced soon.

Here is how the program will work: Medic representatives will visit each

of the installations twice a year (for a two- or three-day visit), alternating visits so that stops at any particular facility will be from six to eight months apart. In return, Medic will cover all facility employees, whether or not they give, and their Internal Revenue Service dependents. There are no processing fees involved for any employees or their dependents. There will be hospital-related charges for administering the blood, but these are covered by hospitalization insurance.

Donating blood is safe, simple and administered by medical experts. Many authorities even say that giving blood may have beneficial effects on your health. Medic representatives make sure that donors are in good shape by checking blood pressure, hemoglobin level and temperature, and by taking a medical history of the donor. Almost anyone can give blood. Most healthy persons between ages 17 and 65 who weigh at least 106 pounds can donate. Some

diseases may disqualify a donor, but Medic nurses and technicians are able to determine your eligibility.

At present, only three percent of all young, healthy people are supplying the nation's need for whole blood. These few are attempting to supply the ever-growing demand, as the medical profession finds more and more ways of saving lives with blood and blood components. According to the American Blood Commission, 95 percent of us will require a transfusion of blood or its components before we reach the age of 72.

Donor scheduling

Prospective donors will be scheduled before plant visits by division coordinators, so that waiting time will be minimized. A visit to the blood-drive center should require less than one hour away from the job.

Donors who leave the Company, as well as their dependents, will be covered for one full year after their termination. Any employees who

leave but did not donate are covered for one month only. However, anyone may join Medic at any time as an individual member, thus ensuring that his or her family will be covered.

Exchange program

If the need for blood arises in another area, an exchange program ensures that an employee's blood needs are met no matter where they occur.

For more information about the program, call Medic in Knoxville at 524-3074, or in Oak Ridge at 483-6611. Literature will be distributed to employees next month.

Questions and answers on the Medic program are found on page 3 of this issue.



When will Savings Plan be improved?

QUESTION: When is Carbide going to increase its contribution to the employee Savings Plan to reflect the economic changes over the last few years? Some companies like Bell, Alcoa and Boeing have provided 50¢ for each employee-dollar contributed for some time. UCC hasn't increased its maximum contribution of 30¢ for at least 15 years.

ANSWER: Carbide's Savings Plan differs from most of the saving plans you mentioned in at least three significant ways that make the Carbide plan more attractive from an overall employee relations viewpoint:

- Carbide's Savings Plan applies to all employees, whereas two of the three companies mentioned above limit participation to salaried employees.

- Carbide's contribution applies to employee contributions up to 7½% of base pay, whereas two of the three companies mentioned above limit the company contribution to employee contributions up to 6% of base pay.

- Carbide's Savings Plan provides the flexibility of short-range savings through the General Savings Fund and long-range savings through the Personal Investment Account. Most plans have limited options and thus lower participation.

There is no expectation that the Savings Plan will be changed in the near future.

ORGDP video studio

QUESTION: The TV studio in K-1024 at ORGDP is seldom used, and it has only black and white capabilities. Isn't this an unnecessary waste of space and equipment?

ANSWER: The video studio at

ORGDP suffered major damage this winter when a frozen water line burst. Since this time, it has been undergoing extensive repairs. However, before this time the studio was used frequently by various divisions at ORGDP. It is Nuclear Division policy that only the Nuclear Division Color Television Center at Y-12 has color equipment. This is to prevent duplication of color capabilities. However, not all video activities require color capabilities, and the ORGDP studio is able to handle many of these requests.

Job rating system

QUESTION: Although I like my job and I am thankful for it, I have a problem understanding Carbide's weekly-salary pay system. Seven years ago I found out that my salary was behind others in my department. At the time I had a "3" job rating. Since then I have talked to my line foreman and general foreman concerning things I could do to improve my job performance. In more recent years, my job rating has been a "2." Although my salary has increased in relationship to my pay code's midpoint, I am still behind the same ones in my department.

I have talked to management from line foreman to division head with little or no satisfaction. Please comment.

ANSWER: Since your question is anonymous, your identity and circumstances are not known so we cannot comment. We would suggest that if you have not done so, you contact the Salary Administrator or one of the Salaried Employee Complaint Program counselors at your installation.



QA CLINIC — The Paducah Plant was one of 13 area industries participating in a quality assurance clinic recently sponsored by the Jackson Purchase Section of the American Society for Quality Control. Those in attendance were, back from left, Barry Chapman, Dale Miles, Chuck Turok, Joe Taylor, Mike Jennings, Jay Collins, Don Chumbler, Donnie Brewer, Al Tuholsky, C. O. Hays and Jack Chapman. Front from left are Ralph Fenton, Harry Johnson, Bill Taylor, Wally Malis, Tom Morris, Clay Zerby, Lewis Barbre, Paul Graves, Shirley Rudolph and Sy Bernstein.

News About People

Lackey named ACS division secretary

W. J. (Jack) Lackey of ORNL's Metals and Ceramics Division has been named secretary of the Nuclear Division of the American Ceramic Society for 1982-83. Lackey, manager of the fuel cycle and engineering analysis group, is involved in process and equipment development for nuclear fuels and waste and the development of powders and dense coatings by chemical vapor deposition.

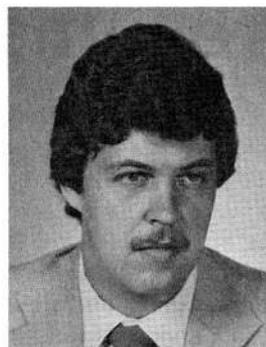


Lackey

Becomes certified public accountant

William D. Cusick, General Accounting Division at ORGDP, has been certified as a public accountant (CPA).

"CPA" is the professional designation earned by a person in the accounting field after meeting the following requirements: acquiring at least three years of acceptable work experience; passing a two-and-a-half-day written examination on accounting theory, practice, auditing and business law; and being accepted by the State Board of Accountancy.



Cusick

Kania receives Borchers Medal

Michael J. Kania, staff researcher in ORNL's Metals and Ceramics Division, recently received the Borchers Medal from the Rhine-Westphalia Technical University of Aachen, Federal Republic of Germany, upon receiving his PhD in nuclear engineering. He completed his doctorate while on assignment to West Germany. Kania has been involved with the testing and irradiation of reactor fuel, heat transfer and spectrometry at ORNL.



Kania

UNION CARBIDE

Nuclear Division News

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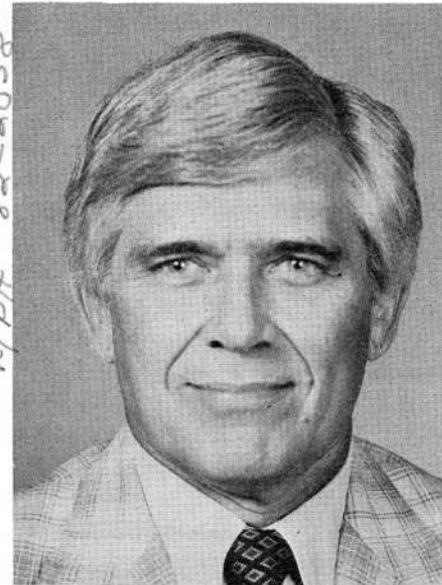


Melanie D. Edgcumbe,
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INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS

Harry G. Conner to manage ORGDP Employee Relations



Harry G. Conner



James A. Barker



Joseph J. Vogt

Harry G. Conner, superintendent of the Personnel Services Department at ORGDP since 1973, has been named Manager, Employee Relations Division, at the plant.

Conner succeeds James A. Barker, who is transferring to ORNL as Employee Relations Division Manager. Barker fills the vacancy caused by the appointment of Joseph J. Vogt as Manager of Employee Relations International and Domestic Policy Development for Union Carbide Corporation.

Lenoir City native

A native of Lenoir City and resident of Oak Ridge since 1944, Conner received his bachelor of science degree in business administration from East Tennessee State University. He joined Union Carbide in Oak Ridge in 1958 and served in several production control positions at the Y-12 Plant, including supervisor of Critical Path Scheduling. He was appointed a labor relations specialist at Y-12 in 1968, a position he held until his move to ORGDP in 1973.

Conner, who has 10 years of active and reserve experience with the U.S. Army, is a member of the Personnel Advisory Council for the city of Oak Ridge.

He is married to the former Maxine Seyfried, and the couple has two daughters. The Conners live at 108 Newton Lane, Oak Ridge.

Joined UCC in 1951

Barker, who joined Union Carbide in 1951, holds BS and MS degrees from the University of Tennessee. He worked in salary administration, personnel and other positions at ORNL, including Employee Relations Manager, before transferring to ORGDP as Employee Relations Division Manager in 1979.

He is on the board of directors of the Oak Ridge Regional Mental Health Center and has served on the executive committee of the Great

Smoky Mountain Council, Boy Scouts of America. He is past vice chairman of the Anderson County Crippled Children's Committee and is a past president of the Oak Ridge Jaycees.

Barker and his wife, Dorothy, live at 420 Virginia Road, Oak Ridge. They have two sons and two daughters.

Previous positions

Vogt has been with the Corporation for about 25 years and worked in various industrial relations capacities at Carbide facilities in West Virginia, Alabama and New York. He was named Manager of Employee Relations at ORGDP in 1973 and transferred to a similar position at ORNL in 1979.

He is a graduate of Tusculum College, where he has served as president of the Alumni Association and member of the board of trustees. He is a member of the board of trustees of the Oak Ridge Hospital.

He and his wife, the former Kathy Kelly, live at 1058 West Outer Drive, Oak Ridge. They have a daughter and two sons.

Medic questions and answers

What is Medic?

Medic is a volunteer community blood bank, organized in 1958, and sponsored by the Knoxville Academy of Medicine. It is a nonprofit organization serving the blood needs of 27 hospitals in 20 counties of East Tennessee and Southern Kentucky.

What can Medic Blood Bank do for me?

It can supply the blood needs for you and your dependents in hospitals in this area, and work out an exchange credit program for blood needs in other hospitals.

Does everyone pay a Medic processing fee for blood use?

No. Donors and their dependents do not pay. Blood is supplied to them without a service charge of any kind at any hospital in the United States belonging to the national clearinghouse for blood services. Even the cost of most blood components in Medic-supplied hospitals is free.

Does Medic pay for the blood-related charges made by a hospital?

No. However, they are usually paid by hospitalization insurance. They include laboratory and administrative service charges.

Is Medic a nonprofit organization?

Yes (under IRS classification 501-C-4). The average cost breakdown per individual dollar looks like this:

- 55¢ - blood processing, inventory and delivery
- 29¢ - payroll costs and employee benefits
- 9¢ - general and administrative expenses
- 1¢ - donor recruitment and related materials
- 4¢ - facility and equipment maintenance
- 2¢ - improvements and expansion of services.

Is Medic an all-volunteer blood bank?

Yes. This is the area's only nonprofit, volunteer bank.

Where is the money for the blood bank's operational expenses obtained?

From those individuals who have made use of the blood services without having donated in advance. Donors furnish the blood; others furnish the money. Nondonors or nonmembers pay a processing fee for Medic's collection, testing, storing and delivery of the blood used. These same patients also pay a donor recruitment fee unless a friend or relative replaces the blood they used.

(This fee is intended as an incentive to encourage replacement and is dropped when a donor is found.)

What percentage of those who are able to donate blood are also willing to do so?

Only about five percent. This is why there is such a chronic blood shortage.

How can I know that it is safe for me to give blood?

You are questioned about your medical history and your health. Then your temperature, blood pressure and hemoglobin level are checked.

Should I eat before donating?

Yes, eat normal meals. And please do not skip breakfast. However, avoid dairy products and other fatty foods and all alcoholic beverages.

Are there any membership dues for Carbide employees?

No.

How are Nuclear Division employees covered?

With regular plant visits, each employee and his or her IRS dependents are covered, whether that employee have given blood or not.

Why was the old system discontinued?

More and more areas are going to the regional blood supply system. The Oak Ridge Hospital chose Medic as its sole supplier because of the distance and inconvenience of transporting blood and blood components from the Nashville area.

If this is true, why is the Paducah Plant still in the program? Isn't Paducah as far from Nashville as we are...or even farther?

The Red Cross maintains a supply station in McCracken County which serves the western section of Kentucky.

Will we be issued Medic membership cards?

No. All you need do is inform the hospital that you are a Nuclear Division employee and that you have blanket coverage for your blood needs.

How often should I give blood?

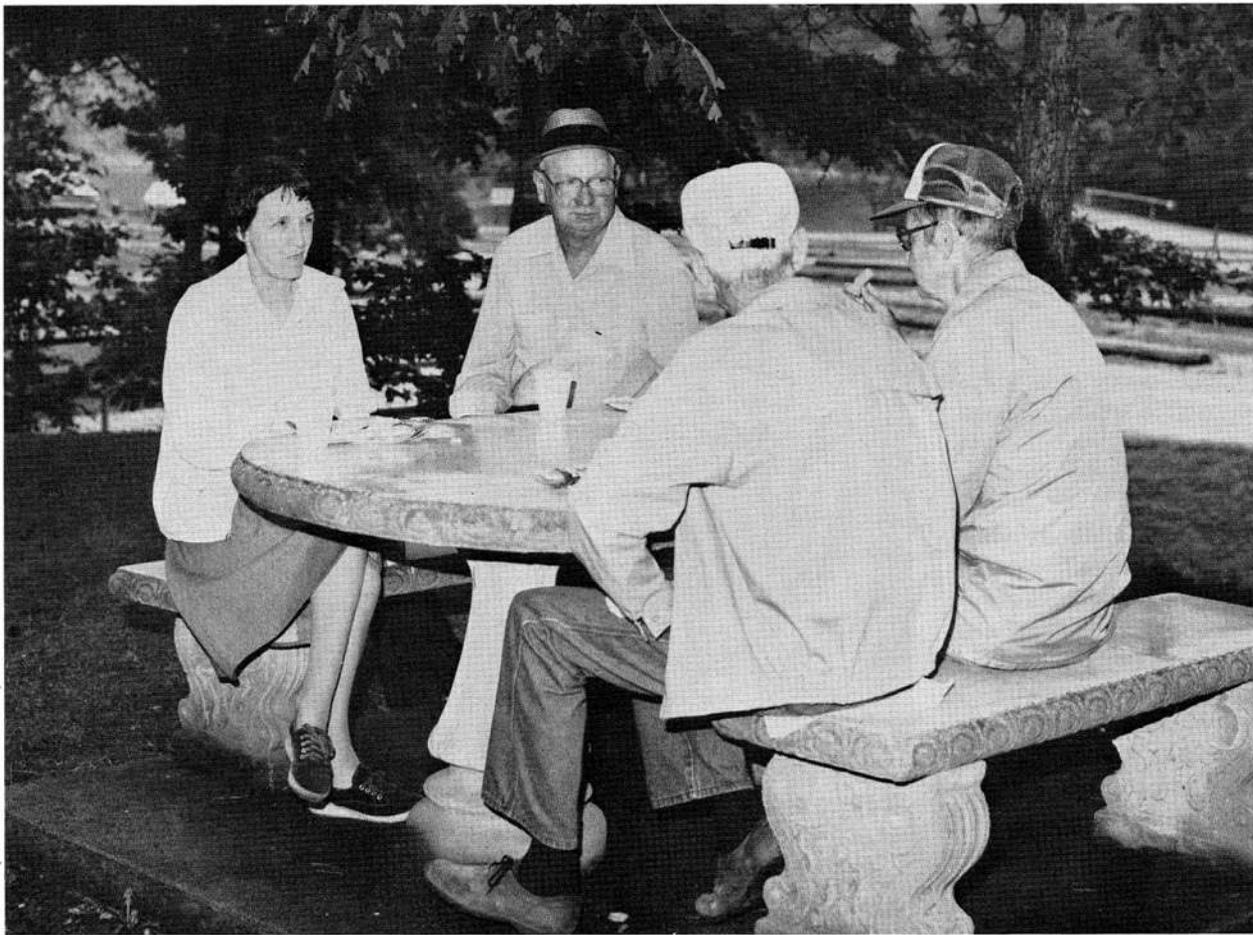
Twice a year, or possibly once, as the mobile unit will be in your particular plant only twice each year. Actually, you may give every eight weeks without detrimental health effects. Medic encourages employees to give at its Center, 526 Western Avenue, Knoxville.

Safety Scoreboard

Time worked without a lost-time accident through June 17:

| | | |
|-----------------|----------|--------------------------|
| Y-12 Plant..... | 153 Days | 5,822,000 Employee-Hours |
| ORGDP | 126 Days | 3,061,558 Employee-Hours |
| ORNL | 1 Day | 33,000 Employee-Hours |
| Paducah..... | 688 Days | 5,886,000 Employee-Hours |

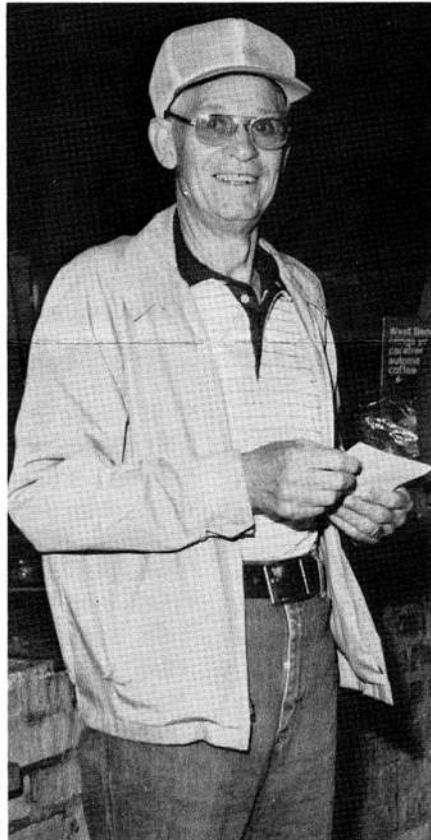
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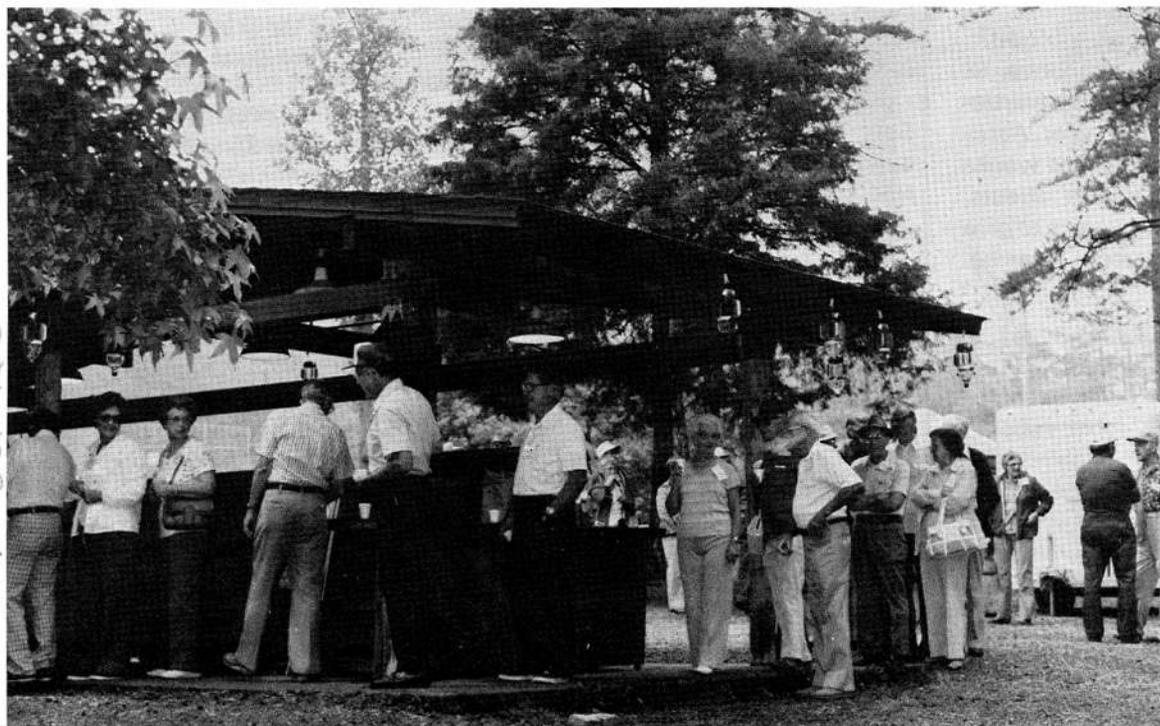
Retirees celebrate at reunion/picnic

The threat of rain obviously didn't dampen the spirits of these Union Carbide retirees at their recent reunion/picnic at Clark Center Recreation Park in Oak Ridge. They just brought along their umbrellas and parkas, took cover when necessary, and spent the afternoon picnicking, reminiscing, making some new friends and generally enjoying themselves.

The June 4 event was the first reunion/picnic for the group for 1982. For more information about activities for Carbide retirees and their families, contact the Union Carbide Retirees' Association at 576-1786.



N 82-160





A reflection on military medicine

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

Independence Day is typically celebrated with water sports, joyous picnics and spectacular evening fireworks. It is a day of fun! Few persons will reflect upon the pain and suffering that their forefathers willingly endured during the creation and growth of our nation. The pioneers, the farmers, the ghetto inhabitants all made sacrifices, but our military forces of the Revolutionary and Civil Wars epitomize an incredible sense of commitment.

It is too easy to look upon battles as heroic and glorious struggles. To understand the sacrifices that were made, one must appreciate the primitive state of military medicine during those times. Soldiers became heroes on battlefields, but thousands of others died equally heroic deaths due to disease, many of them miles from the battlefield.

Revolutionary War deaths

During the Revolutionary War, some 25,000 men died in 1332 military engagements and 215 naval actions. Of these, about 6000 died in battle, 8,500 in British prisons and 10,000 in camps or hospitals.

A smallpox epidemic struck the forces of Benedict Arnold during the Canadian invasion of late 1775 and early 1776. By April of 1776, one-third of Arnold's troops were "stricken with the loathsome pesti-

lence." The Americans were forced to abandon the campaign and retreat in disorder. At one point, less than half of Arnold's troops were fit for action. In three months, more than 5,000 Americans were killed, captured or rendered unfit for service, primarily by disease.

Causes of disease

During the summer of 1776, when George Washington prepared to defend the island of Manhattan, about one-third of his troops were sick with diarrhea, dysentery, typhoid, typhus or various respiratory infections. L. C. Duncan, writing in *The Army Medical Bulletin* in 1931, stated that malnutrition, lack of medical supplies, unhygienic hospitals, disease and camp conditions accounted for 90 percent of all deaths, with battle casualties causing only 10 percent.

After battles, wounded soldiers would often remain on fields littered with corpses for hours and sometimes days. The only possible major operation was amputation, and 50 percent of the patients died from postoperative infections. Surgeons knew virtually nothing about bacterial infections. Saws and knives used to operate on one patient were wiped off and used on the next. There usually was nothing to treat pain except

whiskey. Probing for a muskat ball in a soldier's flesh or amputating a limb with no anesthetic resulted in extreme pain and trauma. Soldiers frequently bled to death, because even elementary first aid was unknown.

Later problems

Little progress was made in the area of military medicine by the time of the Civil War. Wounded soldiers were removed from the battlefield, and corpses were buried, but deaths from infection were commonplace. Chloroform, when it was available, was used as an anesthetic, and morphine was used to treat pain. As described in *Medicine of the Civil War*, by the National Library of Medicine, surgeons often operated in stained and dirty coats. Instruments were never disinfected, and sponges used in cases where infection was present were washed in tap water and used again. The concept of surgical asepsis did not appear in the United States until the 1870's.

As a result, nearly all wounds became infected. The average Union Army mortality rate was 62 percent for gunshot wounds of the chest and 87 percent for abdominal wounds. In contrast, during World War II, only about 3 percent of all Americans with similar wounds failed to survive.

Total losses

Union forces lost 110,700 men in battle and 224,586 from disease, while the Confederacy lost 94,000 in battle and 164,000 from disease. Of the Union forces lost to disease, 27,050 died from typhoid, 30,000 from diarrhea and 7,000 from dysen-

tery. Measles, scarlet fever and pneumonia killed many others.

The knowledge of the horrors of war became more widespread as these wars continued. Many soldiers may have been sustained by an extreme fatalism, knowing that the likelihood of survival if they were seriously wounded was small, and that the chances of acquiring a fatal infection were ever present.

Pickett's charge

When one considers the soldier's prospects after being wounded, the possibility of being killed in battle might seem less gruesome. However, considering the obvious consequences to the troops, it is difficult to believe that General Pickett's charge at Gettysburg on July 3, 1863, actually occurred. The order to advance was virtually an order to commit suicide. Fifteen thousand Confederate soldiers crossed that open field and were subjected to an artillery barrage that cut wide swaths through their lines. Yet they continued the charge. The attack eventually was repulsed, leaving 7,000 soldiers dead, wounded or missing.

That is commitment! There was little hesitation, except among the generals, on either side during the last two days of the Battle of Gettysburg. The causes were clear, and those involved in the struggle were prepared to make the ultimate sacrifice. During the three days, 51,000 were killed, wounded or missing.

As we enjoy our picnics and fireworks this Independence Day, the commitment of these brave soldiers is worth a few moments of reflection.

Julie G. Dorsey named superintendent in Y-12 Product Certification Division

Julie Glover Dorsey has been named superintendent of the Y-12 Plant Laboratory in the Product Certification Division. She succeeds Otto W. Briscoe, who will retire in December after 39 years of service with the Company.

Dorsey, who is from Vidalia, Ga., received BS and MS degrees in chemistry from the Woman's College of Georgia and the University of Tennessee, respectively.

Prior to joining the Nuclear Division as a chemist in Y-12's Mass Spectrometry and Nuclear Magnetic Resonance Laboratory in 1966, Dorsey was employed by the University of Tennessee. Her most recent position has been as head of the Analytical Methods, Environmental

Measurements and Radiochemistry Department.

Dorsey is a member of the American Chemical Society and Sigma Xi. She and her husband, George, live on South Fox Den Drive in Farragut with their three sons.



Dorsey

Save Energy / Share The Ride

ORNL

CAR POOL MEMBER WANTED from West Hills area, Knoxville, to West or South Portal or Melton Valley area, 8-4:30. G. R. Patterson Jr., plant phone 4-5851; home phone Knoxville 693-1764.

VAN POOL RIDERS NEEDED from Sutherland Avenue and Papermill Drive area, to ORNL, 8:15-4:45. D. P. Atkins, plant phone 4-5463; home phone 584-3766.

CAR POOL MEMBER WANTED from Knoxville, Middlebrook Pike-/Robinson Road/Piney Grove Church Road (Landmark, Stonebrook and Canby Hills subdivisions), to East Portal, 8:15-4:45. J. W. Nave, 4-4485; or J. W. Simms, 4-5926.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

Y-12

CAR POOL MEMBERS NEEDED (will merge with other car poolers) from Old Stage Hills, Kingsgate, Farragut areas, to North or Central Portals, 8-4:30. E. H. McBay, plant phone 4-2456; home phone Knoxville 966-7725.

RIDE NEEDED from Harriman to Bear Creek Portal, straight midnights. Zelma Brummett, plant phone 4-3863; home phone Harriman 882-6926.

CAR POOL MEMBERS NEEDED from Powell, Broadacres, Sharp Road sections, to North or Central Portal, 8-4:30. Zela Buchanan, plant phone 4-0988; or Jymme Armstrong, 4-0488.

CAR POOL MEMBERS NEEDED from Cedar Bluff Shopping Center, West Knoxville, to all portals, 7:30-4:00. Bill Brosey, plant phone 4-0881; home phone 693-4542.

Patent granted

Robert C. Anderson, Thomas G. Kollie and Jack M. Jones, all of Y-12, for "An Improved Alloy of Uranium-2.4 wt. % Niobium and Process for Manufacturing Same."

Long weekend

Friday, July 2, and Monday, July 5 are official holidays for Nuclear Division employees. The nation celebrates its 206th birthday.

Anniversaries

ORNL

35 YEARS

Herbert S. Brown Jr., Operations.

30 YEARS

William C. Fair, Plant and Equipment; and Norman G. Allmon, Information.

25 YEARS

Delbert R. Arwood.

20 YEARS

Thomas E. Daughterty, Dwayne N. Fry, Howard E. Lee Jr., Wesley L. Whaley, Robert L. Atchley, Marilyn L. Frank, Houston S. Bryson and James A. Holloway Jr.

Jr., Radiation Safety; Bobby J. Vest, Research Services; O. Duane Sanders Jr., Chemical Services; and Walter R. Clevenger, Chemical Services.

25 YEARS

William E. Odell Jr., Richard G. Spurling, Fred White, John F. Partin Jr. and Raymond W. Curtis.

20 YEARS

Robert B. Culton, David S. Smith and Albert E. Shipley.

ORGDP

30 YEARS

Rufus D. Hughes, Maintenance.

GENERAL STAFF

40 YEARS

Paul R. Vanstrum, executive vice president.

Y-12

35 YEARS

Stewart Hatcher, Plant Records; and Charles J. Buchanan, Utilities Administration.

30 YEARS

Thomas R. Harvey, Statistical Applications; A. Hayes Hunter Jr., Product Engineering; Homer Young, Materials Delivery; Edmond Roberts

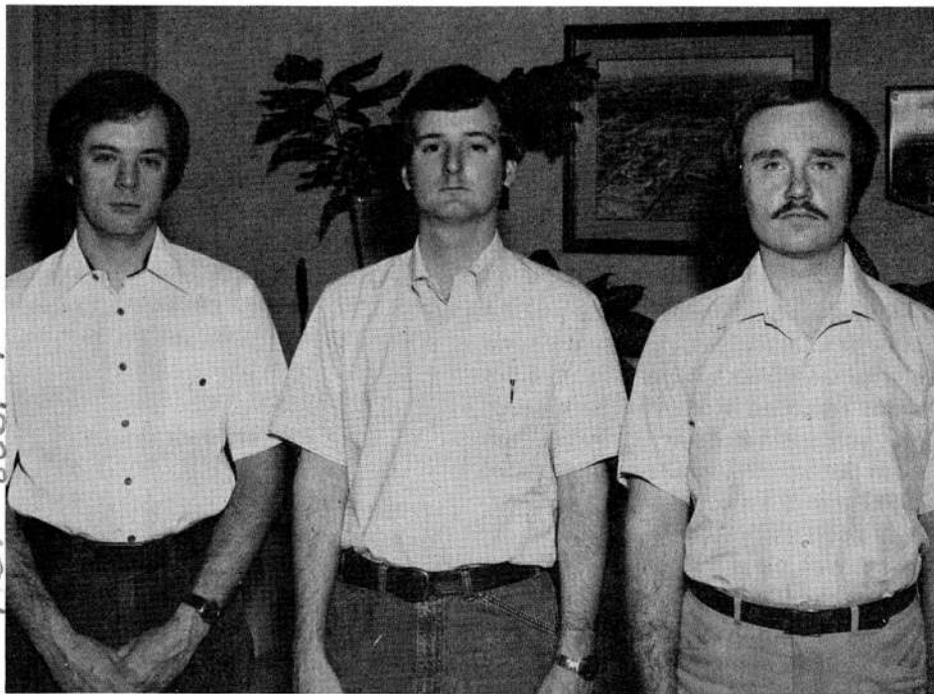
PADUCAH

30 YEARS

James R. Morton, Uranium Control; Voris E. Jerrell, Power, Utilities and Chemicals; Ophelia M. Oliver, Data Services; Eugene Byers, Purchasing; Jim H. Chesnut, Cascade Operations; Ray C. Shrewsberry, Analytical Laboratory; Alma L. Seaton, Data Services; Paul E. Graves, Quality Evaluation; M. Eugene Rollins, Project Management; Robert G. Little, Cascade Operations.

20 YEARS

Tyrone T. Sivels.



PADUCAH'S CHESS CHAMPS — Checkmates all were winners in the chess competition at Paducah. From left are Dennis Jessup, first; Steve Spencer, second; and Greg Hoffman, third.

Recreation Notes...

High-Power Rifle...

Larry Weston of ORNL won the June 5 High-Power Rifle League match with a 743 score out of 800. Hugo Bertini of ORNL was close behind with a 742. ORNL's Ronnie Crawford finished third with a 691. Other top scores included: G. Newton (TIC), 645; R. Hatmaker (TIC), 622; S. Mobley (ORNL), 601; and A. Beasley (Y-12), 588.

Carbide Family Mixed...

The Smooth Strokes, Oops, Pac-Man and Dreamers are all tied for the early lead in the Carbide Family Mixed Bowling League, with the Pinsetters, Strikemasters, Pins Up and Strike Force teams tied for second place.

Mary Hawkins (236) and Ray Eskridge (221) took high scratch game honors, while high handicap games were rolled by Hawkins (248), Eskridge (237) and Norman Jefferson

(237). High scratch series leaders were Jennie Saffell (580) and Lamar Wagoner (541), and they also took high handicap series honors with scores of 595 and 589.

Team highs were set by the Pinsetters, with an 854 handicap game score, and the Smooth Strokes, who rolled a 2337 handicap series.

Carbide Monday Mixed...

Early leaders in the Carbide Monday Mixed Bowling League are the teams of Three Tall — One Short and the Four Eagles, who are even with 3-1 records. In second place are the Lucky Strikes, Whoevers, Split City and Gutterbums.

High games were rolled by Bill Muenzer (209) and Cheryl Womack (194), and series honors went to Bill Every (561) and Sandy Travis (501).

Team leaders were the Lucky Strikes, with a 718/1978 game and series.

Help your body 'beat the heat'

Here are a few simple tips to help you and your family avoid illnesses caused by hot weather.

- Avoid heavy activity during the hottest part of the day. If possible, stay indoors or in the shade and relax.

- Slow your pace and take frequent breaks to help you cool down.

- Be sure to drink enough water or other fluids. People often do not realize that they are becoming dehydrated until it's too late.

- Wear loose, light clothing that allows perspiration to evaporate and also reflects the sun's rays. Add a hat for further protection.

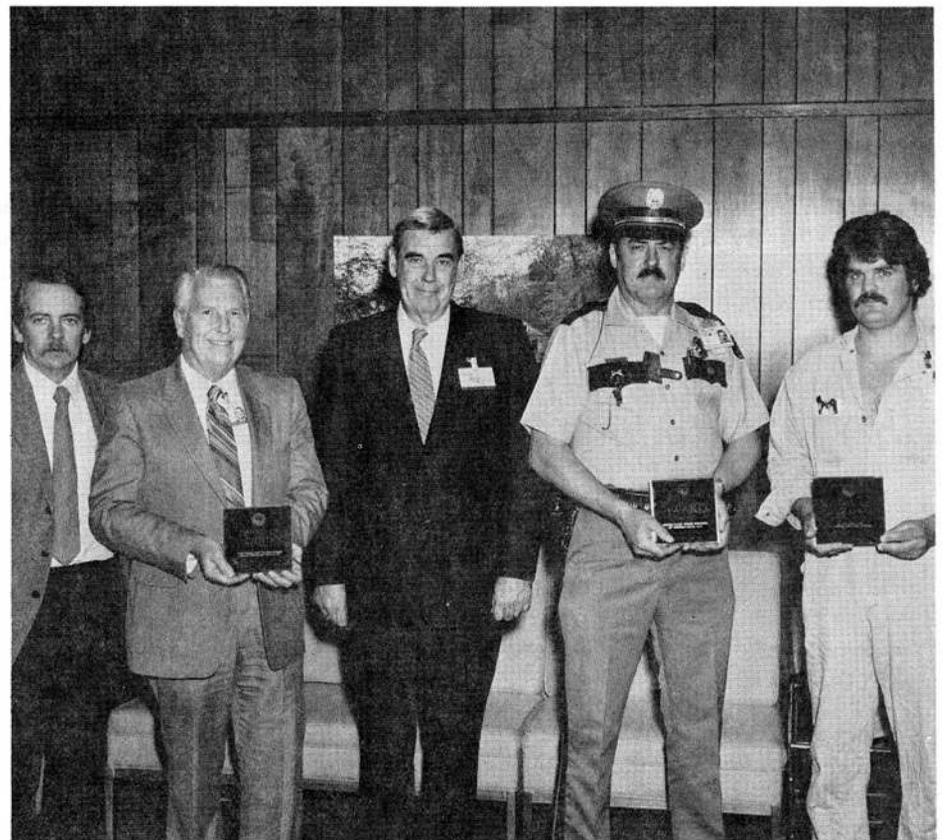
- Physicians today feel that most people get adequate salt in their diets and do not need extra salt to replace what is lost in perspiration. Taking salt tablets can be dangerous, especially for anyone with high blood pressure.

Guards plan picnic

The International Guard Union Workers of America is planning a picnic Friday, July 2, at the Clark Center Recreation Park. The hours are from 10 a.m. to 8 p.m., and all retired guards and security inspectors are invited. All attendees should bring a covered dish.

Additional information may be obtained from John Davidson, telephone 574-7272.

UW awards at Paducah



THANKS AGAIN — W. D. Sullivan, center, recently presented Paducah Plant representatives with awards of excellence for their participation in the McCracken County 1981 United Way campaign fund drive. Accepting the awards were Dave Stansberry, left, 1981 plant chairman; Clayton D. Zerby, plant manager; Sullivan, director of Paducah-McCracken County United Way; C. E. Neihoff, United Plant Guard Workers of America, Local 111; and Val Moore, Oil, Chemical and Atomic Workers, Local 3-550.

A different drummer...

Jinks devotes spare time to helping Shrine children

Most Americans devote their spare time to their favorite hobbies, like boating, golf, handicrafts or other pursuits. Herman W. Jinks, a senior draftsman in the Nuclear Division's Engineering organization, also has a hobby — helping children who are the victims of severe burns or crippling diseases or accidents.

Jinks, currently on loan to the Separation Systems Division at ORGDP, is an active member of the Shrine of North America, an organization of some 900,000 members which has spent almost \$700 million since 1922 to build and operate a network of children's orthopedic hospitals and burns institutes providing free specialized care.

For the past seven years, Jinks has chaired the crippled children's committee for Knoxville's Kerbela Temple.

"Active," in Jinks' case, means that he spends at least every other Sunday with area crippled children, helping them obtain special services or equipment, like braces or wheelchairs; assisting them with applications for admission to the closest Shriners' orthopedic hospitals in Lexington, Ky., or Greenville, S.C. (for which he has sponsored over 300 children); or actually transporting the children to one of the hospitals.

Jinks, who joined the Shrine in 1964, is a member of the Scottish Rite Bodies of Knoxville, a former president of the Knoxville Shrine Club and currently serves as coordinator for 14 clubs in the East Tennessee area, requiring him to visit at least two clubs each month. For the past seven years he has chaired the crippled children's committee for Knoxville's Kerbela Temple.

Jinks and the other board members are responsible for setting and implementing policy for the hospital, which provides care for children with acute burns and those requiring reconstructive surgery.

In recognition of his years of service, Jinks recently was elected to a three-year term on the Board of Governors of the Shriners' Burns Institute in Cincinnati. Although he became the first Kerbela Shriner to be elected to such a position, the post is much more than an honorary one. Jinks and the other 11 board members are responsible for setting and implementing policy for the 30-bed hospital, which provides care for children with acute burns and those

requiring reconstructive surgery. His service on the board requires him to make at least one visit each month to the Cincinnati facility, which has an annual operating budget of \$6 million, with plans for an \$8-million addition to be completed next year.

In addition to his hospital board meetings and his regular work with crippled children, Jinks also makes frequent automobile or plane trips to Cincinnati to transport children who have suffered severe burns, often as a result of child abuse or neglect.

He also makes frequent trips to the Cincinnati hospital to transport children who have suffered severe burns, often as a result of child abuse or neglect.

"One of the saddest cases that I've been involved in," he recalled, "was that of a young mother who immersed her baby in a tub of scalding water after becoming upset by an argument with a friend. The baby suffered second- and third-degree burns over 90 percent of her body. We rushed her to the Cincinnati hospital, where she received specialized treatment and underwent several operations. She will require more plastic surgery, but she is recovering," Jinks explained.

Jinks speaks fondly of some of his 'favorite' children, but his love and concern for all of them are apparent.

He added that his work with the young patients is sometimes frustrating, because the apparent victims of child abuse often are returned to the custody of their parents. "We still take comfort from the fact that our doctors and hospital staffs are doing all that can be done for the children from a medical standpoint," Jinks said.

The Seymour resident obviously finds great pleasure and satisfaction in his "hobby." He and his wife, Helen, make many of the trips together. Jinks speaks fondly of some of his "favorite" children, but his love and concern for all of them are apparent.

"One of the greatest things about my involvement with these programs," he said, "is the way it has made me appreciate the good health of my own children and grandchild. Being with my 'Shrine children,' who are often struggling to walk with the aid of artificial legs, or facing extensive plastic surgery to repair a disfigurement, makes me realize just how fortunate I am."



Seven-year-old Kimmie Lively is one of the hundreds of children that Herman Jinks has helped during his eighteen years of work with the Shrine. Kimmie, who suffered severe burns in a Harriman trailer fire in January, was transported by Jinks and the Roane County Shrine Club to the Cincinnati Burns Institute, where she received free specialized treatment.

ORGDP names Hall to manage Quality Improvement Program

Joseph C. Hall has been appointed manager of the newly formed ORGDP Quality Improvement Program. The program, will encompass statistical cost-reduction and productivity improvements projects.

A native of Fort Towson, Okla., Hall received a BS degree in mechanical engineering from Oklahoma State University. Prior to joining the Nuclear Division in 1960, he served in the U.S. Navy and worked for the Babcock and Wilcox Company.

Hall served as a craft superintendent at ORNL and as a process and numerical control machine tool engineer at Y-12 before joining the ORGDP Maintenance Division in 1969 as maintenance engineering superintendent. His most recent job was as superintendent of the Plant Services Department.

Hall is a certified manufacturing engineer and is registered as a professional engineer by the State of California. In 1979, he was elected a



Hall

"fellow" by the Institute of Production Engineers in Great Britain.

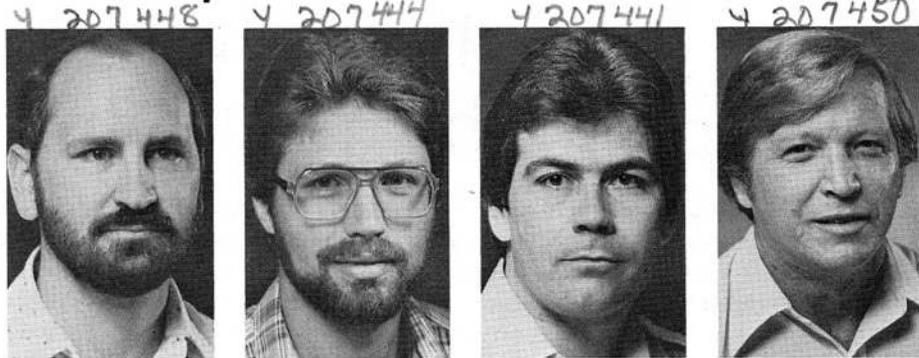
Hall was international president of the Society of Manufacturing Engineers in 1979-80 and serves on various committees of the American Association of Engineering Societies. He and his wife, Jere, live in Kingston. They have two children.

Patents granted

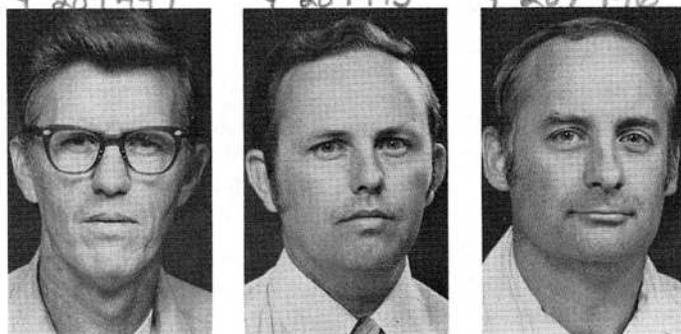
Robert H. Reiner, Eugene J. Barber and John H. Pashley, all of Y-12, for "Improved Process for Generating C1F₃ from C1F and F₂."

Reginald W. McCulloch, Chester S. Morgan Jr., and Ralph E. Dial, all of ORNL, for "Electric Heater for Nuclear Fuel Rod Simulators."

Seven promoted at Y-12 Plant



Barnes Burnett Jones Koivu



Lavender Sellers Shelton

Seven promotions have been announced at the Y-12 Plant. Terry W. Barnes has been named a supervisor in Physical Testing and Robert F. Jones Jr., a machine shop supervisor in the Fabrication Division. Randall W. Burnett, Ray A. Koivu Jr., Warren C. Lavender, Jack W. Shelton and Carl M. Sellers Jr. have been named maintenance planners and estimators in the Maintenance Division.

Barnes, a native of Harriman, is a graduate of the Training and Technology project. He has been with Union Carbide for six years, part of which was spent as an instructor in TAT. He is a member of the American Society for Nondestructive Testing.

He and his wife, the former Debbie Cox, live at 7827 Hollybrook Court, Powell. They have a daughter.

Burnett is a native of Akron, Ohio, and joined Union Carbide in 1977. He previously worked with Sexton Aviation Electronics.

He lives at 108 Inskip Road, Knoxville.

Jones was born in Gastonia, N.C., but grew up in Oak Ridge. He joined Union Carbide in 1969, and worked with Aramco Services in Saudi Arabia.

He lives at 345 East Drive, Oak Ridge.

Koivu was born in Port Arthur,

Ontario, and came to Y-12 in 1975. He previously worked with Chrysler Corporation, North American Rockwell Space Division and American Marine, Inc.

He is married to the former Georganna Hembree, and they live at Route 5, Clinton.

Lavender is from Deer Lodge, Tenn., and is a graduate of DeVry Technical Institute. He joined Union Carbide in 1969. Lavender is a member of the Morgan County Volunteer Fire Department.

He and his wife, the former Mary Louise Bosely, live at Route 2, Wartburg. They have two children.

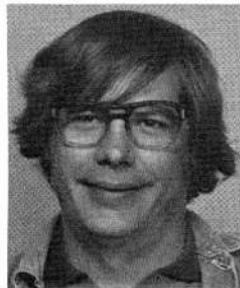
Shelton is a native of Oneida. He joined Union Carbide in 1968 after attending Ohio Mechanics Institute and working with Formica Corporation.

He and his wife, the former Brenda Cross, live at Route 2, Clinton. They have three sons and a daughter.

Sellers, a native of Knoxville, graduated from the Professional Academy of Broadcasting and holds a first class FCC License. He worked with Consumer's Service Co., the University of Tennessee and Electronics Technology before coming to Y-12.

He and his wife, the former Wanda Keck, live at 6901 Greenbrook Drive, Karns. They have one daughter.

Ronald P. Thomas dies in Knoxville



Mr. Thomas

Ronald P. Thomas, an electrician in the Y-12 Maintenance Division, died in Knoxville on June 14. He lived on Morgantwon Road, Maryville.

Mr. Thomas, who had been with Carbide since March 1980, was a U.S. Navy veteran.

Survivors include his mother, Mrs. Maggie E. Thomas; a brother, George P. Thomas; and grandmother, Mrs. Josie A. Thomas, all of Maryville.

Funeral services were conducted at McCammon-Ammons Funeral Home chapel, with the Rev. Gene Gann, the Rev. Rufus Frank and the Rev. Lon Moneyhun officiating. Interment was in Sherwood Memorial Gardens.



Visitor areas proving popular

The two visitors above, shown at a solar-powered weather monitor, one of the many exhibits featured at ORNL's Aquatic Ecology Laboratory, are among the thousands of guests who have toured Nuclear Division visitor facilities since May 1. The attractions, which consist of the ORGDP Visitor Overlook, the Graphite Reactor and ORNL Visitor Overlook, in addition to the Aquatic Laboratory, have hosted nearly 10,000 people during the past 7 weeks. The Graphite Reactor and Aquatic Ecology Laboratory are open to the public from 9 a.m. to 4 p.m. Monday through Saturday, and from noon to 4 p.m. Sunday. The visitor overlooks are open daily until dusk.

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