

Photograph courtesy of Jet Propulsion Laboratory, Pasadena.

Division contributes to space mission. . .

The photo of Jupiter, at left, and two of its moons was taken by Voyager 1 on February 13 when it was approximately 12.4 million miles from the spacecraft. ORNL's contributed to the mission by developing a new alloy for the radioisotope generator system used to provide on-board electric power for both the Voyager 1 and 2 spacecrafts.

C. T. Liu and Henry Inouye of the Metals and Ceramics Division were the principal developers of the new alloy. It is used as a cladding to safely contain radioactive plutonium-238, the heat source that powers the electric generator, in the event the spacecraft should fail to achieve orbit, reenter the atmosphere and impact the earth's surface.

Laboratory tests at ORNL and ballistic testing at Los Alamos Scientific Laboratory have proved that the material can withstand impacts at terminal velocities of over 200 miles per hour while operating at a temperature of 2450 degrees F.

Power for operating the scientific instruments, telemetry and other vital equipment for each spacecraft is provided by three Radioisotope Thermoelectric Generators (RTG's). The RTG's are successors to the nuclear systems which provided power for earlier successful space missions to Mars and Jupiter.

The RTG's supplied to the National Aeronautics and Space Administration (NASA) by ERDA, now DOE, will provide power for the longest space mission ever planned. The 10-year voyage begins with close-up views of Jupiter and Saturn, and then a possible look at two more distant planets, Uranus and Neptune. Voyager 2 and Voyager 1 were launched August, 1977, and September, 1977, respectively.

NUCLEAR DIVISION NEWS

a newspaper for employees of the nuclear division • union carbide corporation



Vol. 10/No. 8 May 3, 1979

Benefits: your 'hidden paycheck'

Seventh 'J. Q. Carbide' report mailed to eligible employees

Another "J. Q. Carbide" computer-prepared personalized benefits report was mailed last week to all full-time employees of the Nuclear Division who had at least one year of credited service on December 1, 1978.

The report, "Your Benefits at Union Carbide," is divided into five sections and is calculated using the personal earnings and credited service of each employee as of December 31, 1978.

It is the seventh such report since it was first distributed in 1958.

Two important cost estimates are shown in the report. Each employee is shown how much it would cost at age 65 to purchase an annuity in the same amount as his or her prospective Union Carbide Pension.

Cost estimates

The second estimate gives each employee the annual cost to the company for the benefits shown in the report. While this number will be larger than most employees would have thought, it still does not represent the full cost of the Nuclear Division's benefits package. This is because another substantial expenditure involving pay for time not worked, such as vacations and holidays, does not show in this report but is included in the regular payroll dollar.

In order to understand the report better, the commentary which is on the opposite side from the tabulation of benefits should be read first.

Note that the calculations for Pension Plan benefits do not include any reduction for survivor benefits when elected at retirement, and those employees who are enrolled in the Contributory Retirement Plan should note that their Pension Plan benefits will be reduced as provided

by the regulations if they are still in the Retirement Plan at the time of death or retirement.

Medical, dental expenses

The first section of the report deals with medical expenses. . . showing how hospital room and board (semi-private or ward), surgeons' fees, doctors' hospital visits and other hospital expenses for employees, spouses, and dependent children are paid.

Major or Special Medical benefits also are explained in this section, showing that if you are covered by the optional Major/Special Medical Plan, 80 percent of most eligible medical expenses are paid after the deductible for that period is satisfied. The deductible is normally \$100 per period per person. A general description of the benefits from the Dental Expense Assistance Plan also is provided.

(Editor's note: Some information was accidentally omitted from the Medical and Dental Section on some of the J. Q. Carbide reports—see box on page 8 accompanying this article.)

Disability benefits are explained in the second section, where both temporary and permanent disability coverages are shown. Life insurance payments, Social Security and Pension Plan benefits, all under the disability provision of each plan, are given. Medical plans may be continued at half the premium cost by disabled employees until they

(Please see page 8

In this issue. . .



In this issue, LaRue Foster, editor of the Lab News, is writing about her hobby — geneology. (See page 2.)

Before joining Union Carbide, Foster was an economic development planner for East Tennessee Development District; a consultant to UTK's Technical Assistance Center; and a free-lance writer. She is a senior member of the Society for Technical Communications and a vice president of the International Association of Business Communicators.

Foster is interested in forming a local genealogical society. If anyone is interested or would like to know more about family research, please contact her at 4-6949.

Other features. . .

- Wigner Fellow named Page 3
- Retirement party Page 4
- Question Box..... Page 5
- Dr. Lincoln Page 7
- NSA member of year Page 7

A different drummer. . .

Confessions of an amateur genealogist. . .

By LaRue Foster

If you spot someone with bloodshot eyes, an unhealthy pallor and stooped shoulders, wandering around abstractedly and muttering about "indentures" and "equity proceedings," chances are you've stumbled on an avid genealogist. Genealogy — the study of family history and lineage — is an incurable affliction! Just ask anyone who knows or lives with a dedicated genealogist (there's no other kind!).

I didn't realize just how seriously I was hooked on genealogy until 1976, when I departed for Charleston, S.C., to spend three glorious days in the sun over Memorial Day weekend. Unfortunately, I stopped in Columbia en route and discovered that the South Carolina State Archives there are open until 9 every evening, even on weekends! Forgotten was my quest for the perfect tan, my desire to hear the sound of surf and to taste the tangy ocean air. I spent the next three days at the Archives pouring over old wills, estate papers and land records.

There's no escape from the "family fever" once it starts. On almost any

free weekend, I can be found at one of several local historical collections — the McClung Room at Knoxville's public library, the Stake Genealogical Library at the Mormon Church in Knoxville, or the historical records section of the UT Main Library. Whenever finances permit, I am on the road to Virginia, Alabama or South Carolina, retracing the path of Fords, Loves, Arleges, Grahams, Baileys and Smiths, who made their way westward over a period of almost two centuries.

When this fever is upon me, I have been known to forget to eat (!!!) for almost 24 hours — I can eat any time, but research time is always at a premium! My car, however, is well provisioned for genealogical jaunts. A typical load consists of six briefcases, maps, camera gear, insect repellent, a tape recorder, and (if I don't forget) a change of clothing and a few snacks. The bill for these little vacations is typically about \$20 to \$30 for food, gas and lodging, and \$50 to \$60 for photocopies of old records. You can see where my priorities lie.

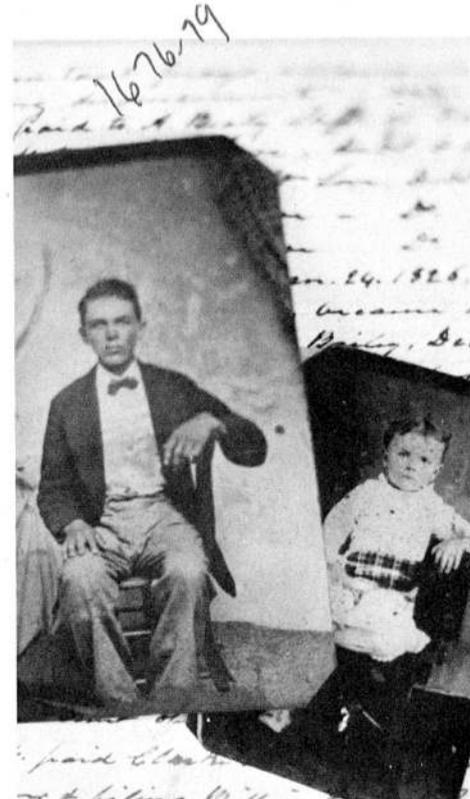
Whenever genealogists meet, they regale each other with stories of the

incredible Herculean labors they are performing in search of an elusive ancestor. At the same time, they are always willing to share generously of their time to help one another in such a search. I remember with gratitude the letter I received from a woman in California, in response to a query I had placed in a genealogical magazine, desiring information about the birthplace and family of my fifth great-grandfather, Robert Love. Her letter contained not only the full details of Robert's siblings and family property but also the identity of his father, William Love, who lived in Lunenburg County, Va., as early as 1749. My correspondent informed me that she was no relation, but that an ancestor of hers had been William Love's neighbor, and she had traced the connection just in case the two families had inter-married. Her carefully typed letter saved me months of work and expense—truly a 'labor of love' on her part.

I will always treasure the memory of the day I held in my hands the will of Gardner Ford, my fourth great-grandfather, which he had written on

a fragile, time-worn sheet of yellowed parchment. The date of the will was March 22, 1805; it began: "I, Gardner Ford, being Weake of Body but Sound of Mind. . ." A few weeks later, I placed a copy of that will in the hands of another of Gardner's descendants, my great uncle, James Love Ford. The occasion was his 86th birthday, and it was his desire to learn of his family heritage some three decades earlier that had paved the way for my efforts.

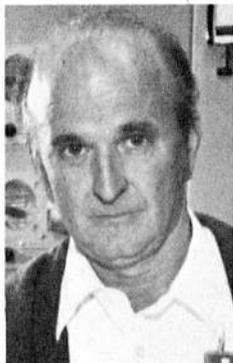
The rewards of family history research are many. Remote ancestors cease to be mere names and dates on deeds or tombstones, but instead become three-dimensional beings, with all the passion for life and love that we ourselves feel today. The records they have left—wills, census data, marriage bonds and deeds—have a story to tell, if we will only look. Such records create a bond of kinship that bridges space and time, showing that the problems we face are common to all eras and conditions. And as we reflect on our heritage, we learn to better understand ourselves and our own times.



FIRST GENEALOGIST—The above photos are of Ercelle Ford, Foster's great-uncle who was the family's first genealogist. The photo at left was taken at his high school graduation; the one at right was taken when he was three years old.



Shipley



Cagle



Brown



Woodall



Waddell

Five promoted at Laboratory

Five ORNL promotions have been announced. Gilbert E. Woodall and Edgar W. Brown have been made process supervisors in Chemical Technology; Charles E. Waddell Jr. and Edward B. Cagle were named staff engineers in Chemical Technology, and William N. Shipley has been made a supervisor in Information's Photography Department.

Woodall, a native of Murfreesboro, Tn., joined Union Carbide in 1954 as a technician. He and his wife, Brenda, reside at 317 Dominion Circle, Concord. They have seven children, Gilbert Jr., Glen, Gregg, Gary, Susan, Melody and Anthony.

Brown has been with Union Carbide for 28 years, all in process work. Brown, a member of ICET, was born in Roane County. He and his wife, Mildred, live at 5009 Dayberry Drive, Knoxville. They have one daughter, Diane DeVettori.

Waddell, a native of Darby, Va., came to Union Carbide in 1951, after serving in the U. S. Navy for six years. He lives at 1111 North Kentucky Streets, Kingston with his wife, Jimmy. They have a daughter, Cynthia Odum.

Cagle worked for Meade Corporation before he joined Union

Carbide in 1953. He was born in Sylva, N.C. Cagle has been certified by ICET and is a member of the American Welding Society. His wife, Joyce, is employed by the Oak Ridge Associated Universities. They live at 104 Regency Circle, Oak Ridge, and have one daughter, Pam East.

Shipley, born in Johnson City, Tn., has been with Union Carbide for 21 years. Before joining Union Carbide, he was the chief photographer for the Tennessee Wildlife and Game Commission, now known as the Wildlife Resource Agency. He has won several awards for his photographic work from the Tennessee Professional Photographers Association. He and his wife, Zeta, live at 129 West Farragut Road, Oak Ridge. They have six children, Kenneth, David, Nat, John, Mary and Martha.

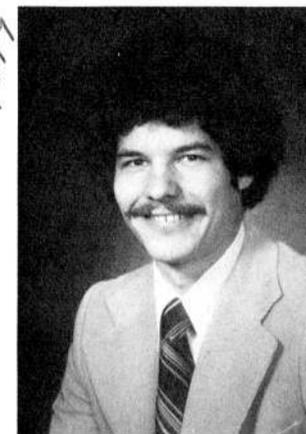
Ramsey named Wigner Fellow

J. Michael Ramsey's appointment under the Eugene P. Wigner Fellowship Program has been announced by Herman Postma, director of ORNL. Ramsey has been assigned to the Analytical Chemistry Division at ORNL.

Established in 1976, the Wigner Fellowships honor the Nobel laureate who was the Laboratory's first director of research and development in 1946-47 and now serves as an ORNL consultant. The fellows are selected from candidates no more than three years past the doctorate level.

The two-year appointments provide opportunities for engineers and physical, life and social scientists to gain experience in research areas related to national energy programs and needs. The addition of Ramsey brings the total appointments to 14 since the inception of the program. Nine are currently holding fellowships at the Laboratory, and one more is expected to join the Laboratory this summer.

In 1974, Ramsey obtained his BS degree in chemistry from Bowling Green State University. As a freshman, he received the Merck Index Award and in 1974 was the recipient of the American Institute of Chemists Award, Toledo Section of the American Chemical Society (ACS) Graduating Senior Award, and the Undergraduate Award in Analytical Chemistry from the Analytical Division of ACS. As an



undergraduate, he was a member of honoraries in math, physics and German.

In 1978, he earned the PhD degree in analytical chemistry from Indiana University, where he was a research associate and associate instructor in the Chemistry Department from 1974 until coming to ORNL. During the summer of 1977, ACS's Division of Analytical Chemistry awarded him a summer fellowship to continue his graduate research. Also in 1977, he worked as a visiting scientist in the Chemistry Division at Lawrence Livermore Laboratory in California.

In ORNL's Analytical Chemistry Division, Ramsey works in a newly formed section of the analytical methodology group which is exploring new applications of lasers to chemical analysis. He and his wife, Sue, live at 100 Erskine Lane, Oak Ridge.

Savings Plan-Personal Investment Account

| | Fixed Income Fund | UCC Stock | Equity Investment Fund |
|-------------|-------------------|-----------|------------------------|
| December 76 | 13.0553 | 59.2723 | 8.8166 |
| December 77 | 14.2017 | 40.9096 | 8.0427 |
| December 78 | 15.4728 | 34.6959 | 8.4098 |
| January 79 | 15.5878 | 36.0543 | 8.7144 |
| February 79 | 15.7023 | 36.1825 | 8.4863 |
| March 79 | 15.8172 | 38.4617 | 8.8084 |

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.1 percent for 1979. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

wanted...

ORNL

RIDE from East or North Knoxville to East Portal, 8-4:30 or 8:15-4:45. Vicki Coley, plant phone 4-5933, home phone 525-6120.

CAR POOL MEMBERS or JOIN CAR POOL from Cedar Bluff/Middlebrook Pike area, West Knoxville, 8-4:30. Malinda Hutchinson, plant phone 4-5148, home phone 693-7358.

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

Y-12 PLANT

VAN POOL RIDERS from West Town, Kingston Pike area, Knoxville, to any portal, straight day. C. W. Greene, plant phone 4-0437, home phone Knoxville 690-3762.

RIDE from Clinton Highway, North Knoxville, to North Portal, 8-4:30. Plant phone 4-0583.

FORMING VAN POOL from Fountain City area, Knoxville, to East, North or Central Portals, straight day. Bill Moyers, plant phone 3-4195, home phone Knoxville 689-4087.

CAR POOL MEMBERS from Kingsgag subdivision, Concord, to Central Portal, G Shift. D. C. Wright, home phone 966-5228.

ORGDP

JOIN or FORM CAR POOL from South Knoxville area, to any portal, D Shift. John R. Ross, plant phone 4-9321, home phone Knoxville 577-0692.

JOIN CAR POOL from Oakdale to any portal, straight day. Michael Witte, plant phone 4-9628, home phone Oakdale 369-2186.

Employees as volunteer fire-fighters



Members of the Karns Volunteer Fire Department go through practice drills so as to be in constant readiness for any emergencies. The year-old organization answers an average of 15 calls per month. Among the Nuclear Division volunteers are Duane Larson, board member; and fire-fighters—Bob St. John, Jim Blankenship, Al Brashiers, Emmet "Sonny" Stevens, John McCarter, Loren Lund, Robbie Roberts and Dave Walker.

Enjoying the leisure life. . .

Club membership for UCC retirees soars past 700

With membership soaring past 700, the Union Carbide Retirees Association gears for action. The Oak Ridge section held its "get-acquainted" social recently at the Senior Center on the Turnpike, as retirees established ties again with people they "hadn't seen in years." (Photos of the event appear below.)

The Paducah side of UCRA plans a meeting May 7, 7:30 p.m. at the Jackson House.

Membership fees are \$1 (\$2 for retiree and spouse) and should be addressed to Union Carbide Retirees Association. . .P.O. Box 228, Paducah, Ky., 42001, or to P.O. Box 3501, Oak Ridge, Tenn. 37830.

Since the initial goal of 500 has already been passed, retirees are now aiming their sights at 1,000 members!

A huge reunion picnic is set next month, June 8, at the Clark Center Recreation Park, with food planned at 1 p.m.



Woodie L. Belk
Plant & Equipment
ORNL
21 years service



Gordon E. Fielden
Support Services
ORGDP
30 years service



Edward L. Armstrong
General Shops
Y-12
26 years service



Hubert L. Felix
Planning & Systems
Y-12
26 years service



Kenneth B. Silva
ORGDP Maintenance
26 years service



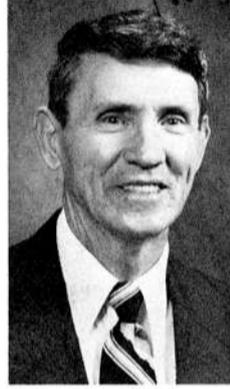
Charles W. Angel
Engineering
ORGDP
29 years service



L. Allin Stephens
Y-12 Laboratory
34 years service



Clarence H. Neal
Dimensional Inspection
Y-12
22 years service



Charlie Williams
Chemical Technology
ORNL
34 years service



Danty T. Cook
Technical Information
Y-12
31 years service



Russell C. Harmon
ORGDP Maintenance
27 years service



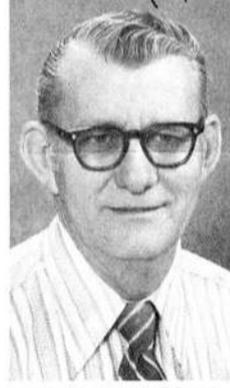
Clyde A. Rider
ORGDP Maintenance
34 years service



John A. Masters
Plant & Equipment
ORNL
28 years service



George J. Fisher
Chemical Technology
ORNL
35 years service



Robert B. Strickland
Material Transfer and
Packing, Y-12
34 years service



question box. . .

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

Day care centers

QUESTION: I have read that some large, progressive corporations are offering day care services for children of employees. Since so many Carbide employees are working parents with pre-school children, is it possible that company-sponsored day care centers might be started near the plant sites?

ANSWER: Since there are numerous day care centers in the Oak Ridge and Paducah areas, Union Carbide is not at this time considering starting additional company-sponsored ones. For more information, see the results of surveys of the Oak Ridge area made by the UCC-ND Equal Employment coordinator's office and of the Paducah area made by the Paducah Affirmative Action coordinator's office.

Safety's 'poor taste'

QUESTION: I recently attended a safety meeting at ORGDP. When the lights were turned on there was a casket, complete with floral arrangements at the front of the conference room. A close friend of a lot of us had just died and this morbid display was, to say the least, in completely bad taste. Who is to say that someone else was present who had recently lost a member of his family? Who is responsible for this poor taste?

ANSWER: The planning, development, and presentation of effective safety programs is an objective of all divisions and departments at ORGDP. This particular program focused on the elimination of safety hazards and motivation of employees to perform safely. The simulated funeral presented in this program was depicting the death of "Safe T. Hazard." The vast majority of the attendees were highly complimentary of the program and no other employees have indicated that the program offended them.

It is a fact that accidents caused by physical hazards result in morbid consequences—fatalities and serious injuries in many cases. We regret that anyone was offended by this program and hope that the real meaning of the program benefited those who attended.

Benefits office locations

QUESTION: Why doesn't Carbide have their Benefit Plans Offices outside the security area? Many wives handle benefit plans claims and with the present arrangement it is difficult to get the necessary forms, advice, etc.

ANSWER: The Benefit Plans Offices are located where they are readily accessible to employees. While many wives do take care of hospitalization claims, the Benefit Plans Offices are active in many other areas; e.g., the Savings Plan, Pension Plan, Retirement, and Group Life Insurance are some of the other benefit plans that must be handled directly with the employee.

Spouses of employees can contact the Benefit Plans Offices to discuss problems or have forms mailed to them by calling 574-8461 at ORGDP, 574-1555 at Y-12, 574-4438 at ORNL, and 444-6311, extension 272, at Paducah.

If it is necessary, a spouse can usually make arrangements to see a Benefit Plans representative in an area not requiring clearance, e.g., the employment lobby at Y-12, the administration building lobby at Paducah, etc.

Call transferring home

QUESTION: Has Union Carbide established a policy concerning an employee having calls to his home telephone forwarded through the "Call Transferring" service, now available in Oak Ridge, to his office number? The telephone company has quoted me a price on this service, and if I am willing to pay it, who is the official I need to talk to in order to take advantage of this service?

ANSWER: We come to the plant or Laboratory to work and should not spend work time receiving personal calls. The company would not approve an employee having his/her residence calls transferred to his/her office phone, and corrective action would be taken in connection with abuses of this nature.

Chain smoking

QUESTION: I work in a trailer office with a chain smoker and am in close contact with this person all day. I have tried to be nice, then not so nice, but he still insists on smoking. What are the rights of a nonsmoker?

ANSWER: Nonsmokers who wish others to refrain from smoking in confined areas should make their views known to those smoking. We urge smokers to be considerate by not smoking or at least reducing their smoking to an unoffensive level while in close quarters.

If a problem still exists, an employee should discuss the matter with his/her supervisor, who may be able to rearrange working space, provide better ventilation, or, even by chance, convince the smoker to be considerate of others.

'Minimum' check-cashing

QUESTION: What is the reason behind Y-12's cashiers cashing checks with a minimum amount of \$25. Would it be possible to set a lower minimum figure?

ANSWER: Both ORNL and Y-12 have established a minimum of \$25 in cashing employees' personal checks in order to reduce the heavy work load associated with cashing numerous small checks. Check cashing service is intended to be used primarily in connection with travel or in an emergency. We encourage employees to utilize regular community check cashing sources as a regular thing rather than doing this at work.

(Please see Page 7)



CHILD CARE—Some of the day-care centers in the Oak Ridge and Paducah areas rely partially on United Way funds. Such is the case of the Scarborough Day Care Center, Oak Ridge, above. Working parents may check their children in on the way to work and pick them up after work.

Survey shows ample facilities in areas for childrens' care

To determine the present availability of day-care centers to Nuclear Division families, the Equal Employment coordinator's office made a survey of the facilities in the Oak Ridge area (Oak Ridge, Clinton, Knoxville) and the Paducah Affirmative Action coordinator's office made a survey of the facilities in the Paducah area. They telephone the day-nursery and child-care centers listed in the yellow pages and asked about present openings, cost, hours, ages of children accepted, provision of meals and transportation. The survey revealed the following information:

Oak Ridge area

The centers called were: Elm Grove Day Care Center, Highland View Day Care Center, Jack & Jill Child Care Center, Lollipop Lane Christian Center, Oak Ridge Nursery School, Playland Day Care Center and Scarborough Day Care Center. All seven centers had openings. The Oak Ridge Nursery School has morning hours of 9 a.m. to 12, but would help make arrangements for working parents. The other centers are open from either 6 or 7 a.m. to 5:30 or 6 p.m. Elm Grove and Highland View accept children from three years old to first grade; Jack and Jill, from ages one to eight; and Playland and Scarborough, from age two on up. Only Lollipop Lane accepts infants.

Costs vary on a sliding scale, depending on family income, at Elm Grove, Highland View (\$15 to \$35 per week), and Scarborough (\$3.60 to \$21.60 per week), and range from \$26.50 to \$35/week at the private centers. All provide meals and, in most cases, snacks, except for Playland Day Care Center. Transportation under certain circumstances is provided by Elm Grove and Lollipop Lane.

Clinton lists only four day-care centers in the yellow pages, three of which have in-service telephone numbers: Green McAdoo Day Care Center (primarily for low-income families), Shinliver Day Care Center (no openings), and South Clinton Day Care Center. None of the Clinton centers takes children under three years old. All are open by 6:30 a.m. (two at 6) and remain open until 6 p.m.

The Tennessee Department of Human Services in Knoxville (telephone 546-1350) will give information on approximately 180 centers.

Paducah area

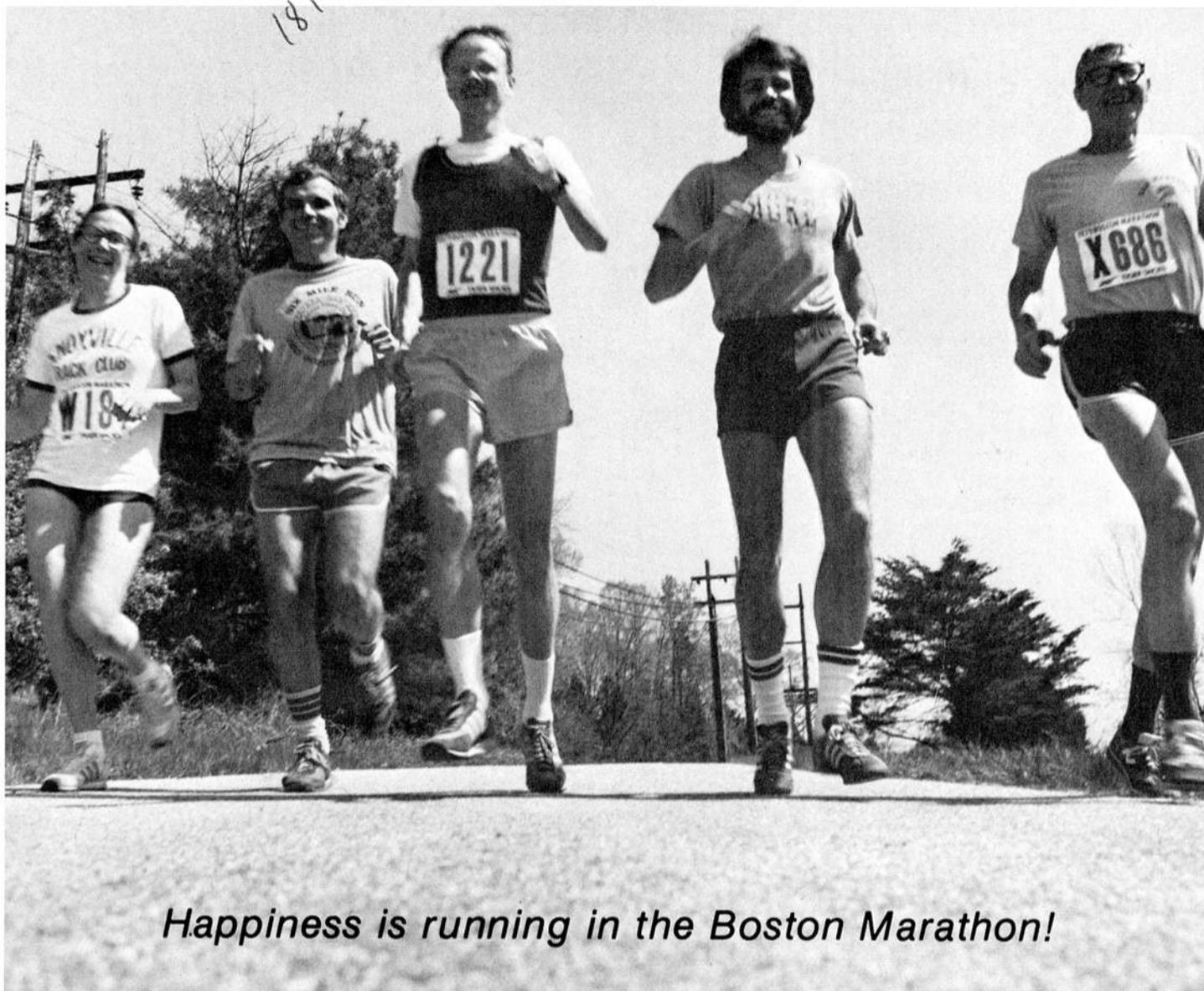
The centers called were: Church of the Nazarene, Kiddie College, Once Open a Time Nursery, Paducah Day Care Center, Southland Day Care Center, Toddlers Inn Day Care Center, the World of Little People, Margaret Hank Presbyterian and Happy Day Center. Six of the nine centers had openings. All are private except Paducah Day Care, which receives federal funding for its food program and also some assistance from the local government.

Five of the centers open at 6 a.m., three at 6:30 a.m. and one at 7. Closing time is between 5:30 and 6:30 p.m. at all except Paducah Nursery and Toddlers Inn, which remain open until midnight; and Happy Day, until 11:30 p.m. Five centers accept infants; the other four vary in accepting children from one year to five years old.

Cost at Paducah Day Nursery is based on the family income, and others vary from \$4 per day at Happy Day Center to \$6 or \$6.50 a day at the other centers. The median daily cost is \$6. Lunch is provided at all centers, snacks at seven, two meals at Toddlers Inn, and three at Paducah Day Nursery. None of the centers provides transportation except for Paducah Day Care, which is accessible by school bus. Only two centers require children to be toilet trained. One or more teachers are certified at five centers, and teachers have at least some college at a sixth.

Next issue. . .

The next issue will be dated May 17. The deadline is May 9.



Happiness is running in the Boston Marathon!

MARATHON RUNNERS—Wendy Williams, William D. Cain, Royce D. Sayer, Carl H. Petrich and Thomas B. Fowler.

Five ORNL employees competed in the 83rd running of the Boston Marathon. They are: Thomas B. Fowler, Neutron Physics; Wendy Williams, Health and Safety Research; Royce D. Sayer, Computer Sciences; William D. Cain, Engineering; and Carl H. Petrich, Energy. Among those Union Carbide employees who qualified but chose not to compete were Richard Alderfer, Keith G. Kahl, S. Marshall Adams and Thomas J. Rudolphi.

The five, along with 7795 qualified entrants, all of whom could run the 26-mile race in 3½ hours or less, competed in rain and 45 degree temperature. "The course is basically downhill, but the upward slopes in Boston come when you're psychologically and physically beaten down," Petrich said. These are the "heartbreak hills," which usually separate the contenders from the participants.

'Mystical' dimension

All five called the race a unique experience. "It's the world's best known marathon, and if you're a runner it's something you shoot for all your life," Petrich said. "It has a certain mystical dimension that separates it from all else." Fowler, 56, said, "It was a fantastic experience that I'll never have again."

Sayer explained that the spectators added to the excitement. "Their enthusiasm was extraordinary. They were always clapping and cheering even after the race had been won." Cain said the race was more like a circus. "I couldn't believe all the crazy people."

The participants lost time in the beginning of the race because of the many entrants. Williams said that she lost at least four minutes just getting to the starting line. They also had to be aware of the other runners. "There are a lot of things you have to watch out for—like people's feet. If you're not careful you could trip someone," Petrich said.

'Pace yourself'

Williams added that the key to running a marathon is to pace yourself. She was disappointed with the race conditions. "There weren't any markers, and the times they gave us at different points weren't accurate. I thought I was running faster than I normally do here," she said. She also said that the weather contributed to slowing down her time.

Before the marathon, the participants' training consisted of running an average of 50 miles a week. Everyone in the Union Carbide contingent had run in marathons before, but all agreed that the Boston Marathon was by far the most unique and exciting.

Monday Mixed. . .

The Monday Mixed League at Western Plaza is coming down to an exciting finish with only two weeks left and six games separating the first from the ninth positions. First place is currently held by the Four Eagles with the Aces only 1½ games behind them in second. Third place is shared between the Roadrunners and the Band-Aids—both teams only two games out of first. So, at this point, the second half winners could be anybody. Good luck!

Clip 'n Save

Golf tournament schedules

The Recreation Department has announced golf tournaments for the three Oak Ridge installations for the remaining part of the season. Greens fees are usually \$5, with the exception of Whittle Springs where they are \$4. Golf carts usually rent for \$10.

Applications will be run prior to each tournament, and foursomes must submit these entries prior to tee-off time drawings.

The schedules are as follows:

Y-12 PLANT

- May 19 Dead Horse Lake
- June 23 Whittle Springs
- July 28 Chestuee Golf Course
- August 25 Wallace Hills

ORNL

- May 19 Family YMCA Center
- June 23 Bays Mountain
- July 28 Dead Horse Lake
- August 25 Whittle Springs

ORGDP

- May 19 Wallace Hills
- June 23 Family YMCA Center
- July 28 Bays Mountain
- August 25 Dead Horse Lake

Family Mixed. . .

The Carbide Family Mixed league (Summer) is holding an organizational meeting at Tri-County Lanes on May 10, at 7:00 p.m. Any one interested in bowling this summer, please attend this meeting.

K-25 Tuesday. . .

The Team are the league champs in the K-25 Tuesday Men's League. The City Slickers placed second, with the All Stars coming in third. Congratulations go to all the Team members.

Energy tip. . .

If you're thinking about buying a room air conditioner, consider the advantages of selecting a unit with a higher energy efficiency ratio. The EER number appears on a sticker or tag affixed to the machine. Higher EER ratings can help hold down your electric bills!

Tee-Off Time Application for May 19, 1979

- ORGDP—Wallace Hills
- Y-12—Dead Horse Lake
- ORNL—Family Y M C A Center

Foursome will Ride
Yes No

1. _____
2. _____
3. _____
4. _____ LEADER

PHONE _____

BLDG. _____

TEE-TIME _____

Foursomes that ride carts will receive earlier time
COMPLETE AND RETURN TO THE Y-12 RECREATION OFFICE
BUILDING 9711-5, MS-001

Entries must be received prior to drawing on May 16, 1979.

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times. The leader ONLY for each foursome should call the Recreation Office, 4-1597, after 3 p.m., Wednesday for your time.



Scabies in the cultivated or the seven-year itch

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.)

Scabies is an infectious skin disease caused by the parasitic mite, *Sarcoptes scabiei*. It is best known as the "seven-year itch." Until recent years, it was thought to be primarily a disease of the unclean. People who lived close together in poor housing and who could not, or would not, bathe frequently were especially vulnerable. Severe epidemics often occurred during military operations when soldiers could not bathe and had venereal contacts. This has changed. Scabies is being seen commonly in college and high school students from "the best families."

Female the culprit

The female mite which causes most of the mischief is roughly the size of the period at the end of this sentence. The male is a little smaller. The female is pearl gray, and the male is pinkish and therefore extremely difficult to see. The female lives in a burrow just under the surface of the skin. She lays eggs which hatch into tiny larva, which leave the burrow and live on the skin. They then go through several moults until they reach adulthood in about four weeks. The males and females copulate and, after about two weeks, the female starts to burrow to lay eggs.

These mites live on tissue fluids and their burrowing and defecating cause irritation of the skin. The burrows are only a couple of millimeters long and most frequently can be found in the webs of the fingers and, in women, on the breasts. Itching is much worst at night and is particularly bad in the front of the arm pits, the lower abdomen, buttocks and genitals. The mites apparently like warm moist areas because folds in the skin are a favorite location. The face and scalp are seldom involved.

Swapping clothes

The mite only survives a few hours if scraped off the skin by clothing or other objects. To get the disease, the impregnated female mite must be deposited on the skin. Obviously, venereal contact provides an ideal opportunity. However, shaking hands can easily provide sufficient "intimate" contact to spread the disease. Exchanging clothes, particularly jeans, is a possible source of exposure if the pants had been worn by an infected person only a few hours previously.

Scabies can be caught from dogs, particularly puppies, but canine scabies is frequently milder and is self-limited. It lasts only a few weeks unless re-exposure to the infected puppy occurs. Canine and human

scabies differ in several ways. It is more easily transmitted, more often seen at the site of contact with the infected dog, and typical burrows are not found.

Scabies "in the cultivated" refers to the disease in the clean. Because of frequent bathing, it may take many months for it to get established and the burrows are less frequently seen. There may be periods when the disease seems to subside, only to reappear later.

Scratching goes on

Because scabies in the clean is frequently difficult to diagnose, it is often confused with miscellaneous "allergic" dermatoses. Unfortunately, the "panacea" treatment for these vague and nonspecific eruptions is a steroid (cortisone) cream or ointment. This medicine suppresses the symptoms and signs while the infestation and its transmissibility persist. Frequently, patients will struggle with the nagging itch for many months until it gets bad enough for a skilled physician or dermatologist to make the diagnosis.

Ideally, identifying the parasite or its feces, called scybala, can be made using a microscope to examine skin scrapings or a razor blade shaving of one of the papules at the end of a burrow. In a typical case, the diagnosis can be made by the appearance and distribution of the skin lesions and the history of nocturnal itching.

Treatment easy

Fortunately, once the diagnosis has been made the treatment is easy. A one percent gamma benzene hexachloride cream or lotion, applied to the entire body from the neck to the toes, will cure it. Since several members of a family probably have the infection, all the family should be treated. Bedding, clothing and towels should be laundered, but it is not necessary to boil them.

Scabies is now being seen in college and high school kids, and it should not be assumed that the source of contact was an "indiscreet intimacy." A handshake or exchange of a pair of jeans may be all that is necessary. The difficulty is a proper diagnosis. When made, the treatment is a simple matter, and cure should be certain.

wanted . . .

Y-12

RIDE or JOIN CAR POOL from Fountain City area, Knoxville, to Biology Portal, straight day. Judy Adams, plant phone 4-0600.

Named NSA member of year

Barbara R. White, CPS, was named "Member of the Year" for the Oak Ridge Chapter, National Secretaries Association (International), during the Secretaries Day breakfast activities. An ORNL employee since 1968, she works for Laboratory Director Herman Postma.

Last year's Member of the Year, Ellen B. Queener of ORGDP, presented White with the Margaret Stewart Memorial Cup. The cup is presented annually to a chapter member who has made outstanding contributions to the Chapter goals and the secretarial profession.

An NSA member since 1973, she is completing her first term as president, and has been reelected for 1979-80. She also has served two terms as recording secretary, two as vice president and coordinated NSA's Tennessee Division Meeting, which

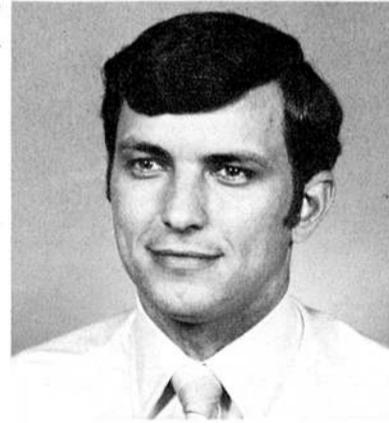


the Oak Ridge Chapter hosted in 1978.

White is a graduate of Knoxville Business College and received the Certified Professional Secretary rating in 1973. She lives in Wartburg.

Ronald L. Hooks promoted at ORGDP

PH 79-1608



Ronald L. Hooks has been named a supervisor in the Reproduction Department of the Finance and Materials Division, ORGDP. Hooks joined Union Carbide in 1967, after working with the **Clinton Courier-News** and graduating from Printers Industrial Technical Institute, Nashville.

He and his wife, Martha, live at 802 Riverbend Road, Clinton. They have a son, Bryan.

anniversaries . . .

Y-12 PLANT

35 YEARS

Jack M. Case, plant manager; Mary G. Davis, Product Information Center; Mildred R. Sparks, Chemical Services; Francis S. McGuiness, Product Information Center; Manford C. Bays, Stores Department; Harrell E. Patterson, Special Services; Lissie A. Reynolds, Development Division; George B. Marrow, Development Division; Francis V. Tilson, G-3 Processing; and Charles E. Fritts, Materials and Services.

30 YEARS

Robert J. Clouse, B-2 Expansion Assembly; Iva H. Jones, Chemical Services; and Everett L. Douglas, Dimensional Inspection.

25 YEARS

William B. Rutherford Jr., John W. Wilson, Clyde Ward, John M. Hodge, Cecil Houser, Rufus F. Knott, Jay A. Lane, Odis G. Carter, Jimmie L. DeVaney, John B. Gooch, Oscar L. Williams, Jack Lovegrove, Bobbie Lowery, James D. Draper, Jilson H. Fielden, Donald S. Scott and Dan D. Stroud.

20 YEARS

William A. Franklin, John D. Clark, Florene C. Simpson, William R. McManus, Dorothy M. Bernander and Sidney E. Fritts.

ORNL

35 YEARS

Ernest E. Pierce, Operations; William E. Brundage, Solid State; and

Louis L. Fairchild, Chemical Technology.

30 YEARS

Marvin Davis, Plant and Equipment.

25 YEARS

Marion H. Cooper Jr., Hans O. Cohn, Vernon E. Walker, Paul F. Swaggerty, Alice N. Montgomery; Clarence E. Stevenson, Homer Blevins, Charles D. Barnette Jr., Nellie M. Ferguson and William D. Ghormley.

20 YEARS

Bobby E. Gill, Edmund A. Nephew, Betty T. Edwards and Mario H. Fontana.

Question box . . .

(Continued from Page 5)

ORGDP safety sign

QUESTION: "Off the Job Safety Starts Here," reads a sign at the entrance of ORGDP. Last year an employee fell in the parking lot outside K-1007, breaking an ankle. Should these signs also not be placed at the exits of our building?

ANSWER: Many favorable comments have been received concerning the signs to which you refer. It is hoped that such reminders will assist in reducing off-the-job disabling accidents that currently outnumber work related accidents thirty to one. Your question will be called to the attention of ORGDP management as a suggestion for their consideration.

A slip-up on your report?

When there are Medical & Dental Expenses

Basic Medical benefits

- hospital room and board (semi-private or ward) for up to 180 days
 - other hospital charges while confined..... PAID IN FULL*
 - surgeons' fees are paid according to a schedule, up to..... \$750.00
 - charges by a hospital or approved clinic for emergency care due to an accident..... PAID IN FULL
- Basic Medical benefits also provide specified allowances that pay all or part of the cost for certain other types of expenses such as:
 HOSPITAL/OBSTETRICAL MATERNITY CHARGES
 DOCTORS' HOSPITAL VISITS

*\$20 DEDUCTIBLE APPLIES IN CERTAIN CASES

In the Medical and Dental section of the J. Q. Carbide report, the asterisk following the "Paid in Full" notation under "Other hospital charges while confined" notes that \$20 deductible applies in certain cases. Some of the reports, which were mailed to employees last week, show the asterisk but no corresponding notation to explain it. If this is the case with the form you received, fill in "\$20 deductible applies in certain cases" at the bottom of the section for your future reference.

People needing people. . .



LEARNING 'FIRST HAND'—Ann Erwin, member of Paducah's 1979 United Way Committee learns about the Massac County Adult Training Center from Charles Stevens, center director. The center consists of about 56 clients ranging in age from 16 to 60. The clients contract with local businesses to perform special tasks such as lining these industrial gloves.



DEDICATED DONOR—Jack Chapman, Paducah Power, Utilities and Chemicals Division, prepares to give a pint of blood during a recent Red Cross bloodmobile visit. Chapman has donated nine gallons since he began giving in the early 50's. He began at the Mayfield-Graves County chapter and has been a regular donor since. He plans to go on giving as long as he can.

Benefits: your 'hidden' paycheck

Seventh 'J. Q. Carbide' report

(Continued from page 1)

qualify for Medicare or reach age 65, when they are given a medical termination.

Benefits for survivors of employees who die while still on the payroll are shown in the third section. These benefits can include payments from Group Life Insurance, Pension Plan, Savings Plan and Social Security, depending on the deceased employee's age and the age of the survivor.

For your retirement

Income at retirement is presented in the fourth section. These estimates are based, in most cases, on present earnings and projected credited service until time of retirement. Estimated Social Security payments for you and your spouse also are shown in this section.

Estimates are calculated for both normal and early retirement with full benefits.

Other benefits to the retired employee include retired life insurance which can be drawn down to \$1,250 to help pay certain medical expenses, if needed.

Savings Plan payments from the General Savings Fund are made in a lump sum, while payment from the Personal Investment Account may be received in a lump sum or in regular payments stretched over a selected period of time. A statement on the Personal Investment Account was sent to participating employees earlier this year.

This section also shows the amount of money an employee would have to pay for an annuity at the time of retirement in order to obtain the

same prospective monthly income as provided from Union Carbide's Pension Plan.

Value of benefits

The final section of the benefits report is devoted to the value of each employee's benefits. It points out that the company pays the cost of temporary disability benefits while employees are disabled. Pension Plan benefits, dental expenses and basic medical care coverage for employees and their eligible dependents also are paid in full by the company.

The company and the employees both contribute to the cost of basic Group Life Insurance, Major/Special Medical coverage, Savings Plan and Social Security.

The annual total cost to the company for each employee's benefits is shown in this section.

In all these categories, these benefits mean money for the employee and family. The report is structured to show what the entire benefits program looks like and how they all work together to provide a sound, comprehensive program of financial protection for employees.

If you do not receive your personalized copy of the "J. Q. Carbide" report, "Your Benefits and Union Carbide," or if you have any questions about any of the figures, your Benefit Plans office will be glad to help you.

The benefits series that began in the April 5 issue of **Nuclear Division News** will be resumed next issue with an article on life and health insurance.

division death. . .



Mr. Melhorn

Duard T. Melhorn, a carpenter in the Maintenance Division at ORGDP, died April 15 in Wartburg. A native of that city, he joined Union Carbide in 1960 at the Y-12 Plant, transferring to ORGDP in 1965.

Survivors include a son, Chris; daughter, Denise; his parents, Mr. and Mrs. Charlie Melhorn; and sisters, Claudia Caddell and Frankie Seivers.

Funeral services were held at Schubert's Funeral Home, Wartburg, with burial in the Estes Cemetery, Coalfield.



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