

ORAU

Y-12 TAT project honors Don Petty, 5000th grad

Officials from Union Carbide, Oak Ridge Associate Universities and the U.S. Department of Labor gathered recently to celebrate the graduation of the 5000th person from the Y-12 Training and Technology project.

then she had us put in a foster home. From there we went to Youth Town, run by the sheriffs of Tennessee. I was 15 when I left there to go back to high school in Selmer."

Donald Edward Petty, born in Guys, Tenn., was quick to grab the opportunity to attend the TAT school. "I was the only one of six children to graduate from high school," he said. "And I wanted to make something of my life. The employment people asked me if I wanted to come to Oak Ridge and learn a trade, and I jumped at the opportunity."

Petty worked his way through high school at odd jobs, as a mechanic, dishwasher and janitor wherever he could find. "It wasn't easy. My sister wasn't really able to put me through school. But I made it."

The Comprehensive Employment and Training Act provided Petty the funds for his six-month stint at TAT.

Petty describes his early life, without bitterness, as one of frustration even at the age of 10. "My folks divorced when I was 10, and Jimmy, my younger brother, was only 8. We lived with our grandma for a while,

Petty proudly accepted his certificate as a TAT graduate. He admitted to being a little embarrassed by the interviews and publicity.

(Please turn to page 8)



5000TH CERTIFICATE — Herm Snyder, Employee Relations superintendent at Y-12, congratulates Don Petty as he graduates from the Training and Technology project. Petty became the 5000th graduate in the successful training school. He reported to AVCO in Nashville earlier this week to begin work.



Nuclear Division News

Vol. 12, No. 10 May 21, 1981

Oak Ridge scenes, interviews featured in television series

A major new public television series, "Science South: Focus Energy," which includes interviews and scenes of Oak Ridge programs in fission, fusion and coal research, premieres Saturday, May 23, at 2 p.m. on WSJK-TV, Channel 2. Two programs, a documentary and a discussion on the same subject, will be shown each week.

and depleted uranium storage at ORGDP. The May 30 program, entitled "The Depletibles," includes a scene of an ORNL fluidized-bed combustion system. "The Renewables," the June 6 program, deals with solar, geothermal and other nonfossil energy sources.

This six-part series deals with efforts being made by the southern scientific community to solve the energy crisis faced today and to make possible the continuation of the nation's growth.

Philip L. Johnson, ORAU executive director, was a member of the advisory panel for the project, which was produced by the University of Georgia Center for Continuing Education, with support from the National Science Foundation. The programs are being distributed by the Southeastern Educational Communications Association.

The programs, which will be shown from 2-3 p.m., May 23, May 30 and June 6, cover energy research and development across the south, from coal labs in Kentucky to Nuclear Division facilities in Tennessee, and from solar labs in Georgia to geopressure and geothermal labs in Texas.

Corporate world...

Oak Ridgers interviewed in the first program, "The New Fire," which covers fission and fusion energy, are: William Fulkerson, director of the Energy Division at ORNL; John C. Glowienka and Michael Saltmarsh, research staff members in the ORNL Fusion Energy Division; Robert J. Hart, manager, DOE's Oak Ridge Operations Office; and William F. Rolf, project manager, Clinch River Breeder Reactor Project.

UNION CARBIDE CORPORATION has announced the increase of its total domestic lines of credit from \$800 million to \$1 billion.

William S. Sneath, chairman of the board, said that the continuation of Union Carbide's construction program at over \$1 billion a year will continue to require long-term external financing. The availability of the credit arrangements gives Union Carbide considerable flexibility with regard to timing of long-term financing.

In addition to these interviews, the first program includes scenes of ORNL, the High Flux Isotope Reactor

The corporation increased its lines of credit from \$600 million to \$800 million in September 1976.



In this issue...

These members of the Knoxville Volunteer Rescue Squad were busy demonstrating new equipment at a recent open house commemorating National Rescue Squad Week. See story and additional pictures on pages 4 and 5.

Other features:

- Dr. Lincoln Page 2
- News About People Page 3
- Question Box Page 5
- Promotions in Mechanical Engineering Division Page 8

Anniversaries

Y-12

35 YEARS

Virginia B. Lankford, Dispatching; William E. Tewes, Development Division; and James D. Robertson, B-2 Expansion Assembly.

30 YEARS

James K. Denton, manager of finance; Ralph E. Gibson, Graphite Shop; Jack D. Lindsey, Reproduction; Murray A. Parrish, General Can Fabrication Shop; Robert H. Angel, Chemical Services; and Max F. Wallace, Chemical Services.

25 YEARS

Ernest W. Young, William D. Sisson Jr., Roy A. Campbell, George E. Reece, Donald E. Parten and Anders R. Rutherford.

20 YEARS

Samuel G. Snow.

ORNL

35 YEARS

Raymond E. Blanco, Chemical Technology; Dorothy S. Harper, Information; James A. Cox, Operations; Ralph L. Pritchard, Operations; Wanda C. Massey, Analytical Chemistry; Haywood N. Settles, Finance and Materials; Edna C. Whittington, Information; Sherman D. Snyder, Engineering Technology (January 14); and Margaret E. Cleveland, Biology.

30 YEARS

Harvey, C. Austin, Laboratory Protection; John V. Cathcart, Metals and Ceramics; Joseph D. Hudson, Metals and Ceramics; Thurman L. Miller, Plant and Equipment; and Jackie S. Fortner, Computer Sciences; S. J.

Claiborne Jr., Engineering Technology (January 22); Lewis F. Parsly Jr., Engineering Technology (January 22); John W. Jarnigin, Biology (January 23); Jim W. Teague, Engineering Technology (February 1); Marty M. Honaker, Analytical Chemistry (February 9); Raymond L. Walker, Analytical Chemistry (February 15); Clarence K. Thomas, Fusion Energy; and Hubert T. Milton, Chemical Technology.

25 YEARS

John L. Anderson, Bobby W. Stout, Ebb Moore, Roger A. Jones, Bonnie S. Reesor, James R. Inman (January 3) and Arlee P. Teasley (February 6).

20 YEARS

Floyd N. Hatmaker and Thomas J. Stephens Jr. (February 26).

PADUCAH

30 YEARS

Harry P. Colbert, Plant Engineering; Robert E. Perry, Shift Operations and Plant Protection; Edward W. Kincer, Fabrication and Maintenance; Helen E. Housman, Employee Relations; Edward N. Krinard, Finance and Materials; Shelby D. Isbell, Fabrication and Maintenance; James W. Thompson, Finance and Materials; George C. Williamson, Fabrication and Maintenance; Thomas V. Grooms, Finance and Materials; Earl W. Richardson, Plant Engineering; Robert E. Jessing and Alton Rodgers Jr., both in Cascade Operations; Fred H. Amonett, Fabrication and Maintenance; Mary N. Nelson, Finance and Materials; Howard L. Ross, Power, Utilities and Chemicals; and Hugh G. Coltharp, Employee Relations.



Can we afford long lives?

by T. A. Lincoln, M.D.

During the past 10 to 15 years, a dramatic increase in longevity rates has occurred in the U.S. Good news? Yes, of course, but can we afford it?

Since the late 1960's, an unprecedented change in mortality trends has occurred. Up to that time, the death rates of people of advanced age (over 85) experienced a modest decline. Now they are falling almost precipitously.

Longevity increasing

Between 1933 and 1966, the death rate declined by 63 percent in 25- to 34-year olds, but it dropped by only 6 percent between 1966 and 1977. The reverse occurred in the over-85 group, with the rate of decline increasing from 10 to 26 percent. Obviously, many more people are reaching advanced ages. The increase in longevity rate is occurring in white and non-white males and females.

Seventy-five percent of the deaths in those over 85 are caused by heart disease, cerebrovascular disease and cancer. The biggest decline in death rates has been in the areas of heart disease (24.9 percent) and strokes (34.6 percent). The rate of deaths caused by cancer has changed little, but becomes a less important factor with advancing age. Cancer accounts for about 30 percent of deaths from these three major causes in those aged 55 to 74, but accounts for only 19 percent of deaths in the 85-and-over age group. Thus, improvements in death rates from heart and cerebrovascular disease have a proportionally greater impact on the aged.

Cardiovascular rates

Many more people are living to age 85 or older, but a general decline in death rates has also occurred in men and women over age 40. A reversal of the rising trend of cardiovascular mortality rates began in the late 1960's. From 1968 to 1976, there was a 20.7 percent decline in all age groups. A comparable but even more impressive decline in the number of deaths from strokes has occurred in the last 10 years.

Although no dramatic breakthrough in cancer treatment has occurred, steady progress has been made. The number of people who can be said to have been permanently cured has increased.

Possible reasons

Several conferences have been devoted to the study of possible rea-

sons for the increasing longevity rates in the U.S. Such figures have not been nearly as impressive in other industrialized countries. Although there have been improvements in treatment, it is generally conceded that primary prevention of cardiovascular disease is beginning to pay. The emphasis has been on not smoking, better physical fitness and nutrition, weight control and treatment of high blood pressure. Cancer prevention methods are also improving, but at a much slower rate.

The concern about the future solvency of the Social Security program is now being aggravated by the rising number of people who will become eligible to draw old-age benefits and will have to use them for a greater number of years. Managers of industrial pension plans are also looking ahead and revising their estimates of their future financial needs to support pensioners.

Financial concerns

Medical directors of plants and corporations who have tried to emphasize primary prevention for years could now experience some resistance to their programs because of financial concerns. Politicians who have to find financing for Social Security are looking for new sources of revenue or ways to reduce or delay benefits.

The answer to this problem seems to lie in finding better and more efficient ways to care for the aged. The idea of keeping people healthy and vigorous and preventing deaths during their most productive years is so attractive that few people would suggest that such preventive programs be slowed.

Parents now frequently support their children until they are 21 years old and can be self-sufficient. These children must take responsibility for their parents when they begin to have difficulty taking care of themselves. Depositing the elderly for "storage" in a depressing nursing home until they die is morally and financially irresponsible. Instead, programs must be developed to keep older people independent and self-sufficient much longer. Nursing homes and hospitals will always be needed for terminal care, but better ways must be found to help aged people help themselves. The economics of this problem are so compelling that it promises to be an area of considerable research in the near future.

UNION
CARBIDE

Nuclear Division News

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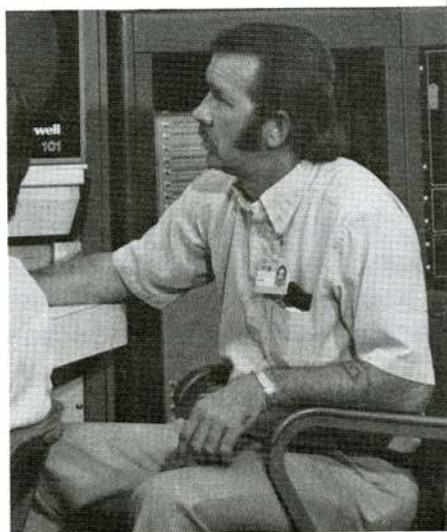
ORGRP

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PADUCAH

Darlene M. Mazzone, Bell 208

Published every other week
for employees such as:



Charles H. Speer, Y-12
Development Division.

INTERNATIONAL ASSOCIATION
OF BUSINESS COMMUNICATORS

Division moves toward metric

Give employees a centimeter and they'll take a kilometer. At least they will at the Nuclear Division, where evidence of the metric system is becoming more visible. Special emphasis was placed on conversion May 10-16 in recognition of National Metric Week.

On a typical day, Nuclear Division employees might find themselves checking the temperature in degrees celsius, weighing on metric scales or filling up in liters at ORNL gas pumps.

The metric system has been in use since the Division's inception because scientists generally prefer the metric system.

"We're keeping up with the pace of conversion in industry, taking actions to educate where necessary, and basically are prepared to make conversions when it is economically and technically feasible," said Michael L. Cuddy, chairman of the metric steering committee for the Division.

Cuddy said that, to an outsider, the Nuclear Division appears to utilize the metric system. For example, 95



percent of all inspection gauges at Y-12, technical publications at all plants, and most shipment transactions involve the metric system. Cuddy went on to explain that the nonmetric system is in use in several Division areas, because so many things are still done that way in industry.

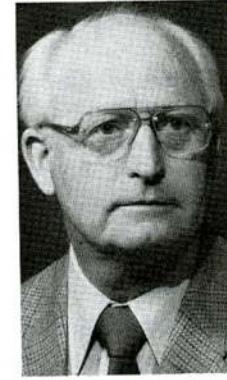
Uri Gat, ORNL metric coordinator, finds progress to be good. "I've talked with people who comment that things are going too slowly, and about an equal number who apparently want us to wait until they retire to make the change.

"The problem is overcoming that reluctance to change," Gat said. "The first time it is difficult, but from then on it's easy."

News About People



Pohto



Greenstreet

Herbert A. Pohto, Y-12 Engineering, and William L. Greenstreet, ORNL Engineering Technology, have been named Fellows in the American Society of Mechanical Engineers (ASME).

Pohto is a recognized authority on high-pressure engineering and was responsible for the first comprehensive high-pressure vessel rupture energy release tests resulting in design guidelines.

He received a BS in mechanical engineering from Case Institute of Technology and joined Union Carbide in 1952 as a mechanical engineer and was principal engineer for uranium rolling at the forming facility, nuclear propulsion fuel element production facility, and the high-pressure isostatic pressing facility. He helped design unique systems for handling highly toxic hot uranium metals of large mass in production quantities.

In 1972 he became assistant to the project design manager for the production support facilities modernization and expansion project at ORGDP. He came back to Y-12 in 1975, where he has prepared capital budget forecasts, detailed cost descriptions and justifications to support proposed nuclear weapon production projects. He has also conducted capital impact studies for "what if" alternatives and conceptual studies for new facilities, and has advised DOE's nationwide complex on high-pressure technology.

Pohto was the first chairman of ASME's High-Pressure Technology Subcommittee of the Pressure Vessel and Piping Division and a recipient of the safety award in

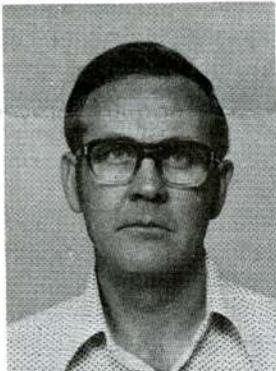
mechanical engineering from Britain's Institute of Mechanical Engineers.

Greenstreet joined Union Carbide in 1958 after receiving an MS in mechanical engineering from the University of Tennessee, later to take a PhD from Yale. He has orchestrated programs to develop structural design technology for nuclear rocket engines under the Rover Program, to enhance structural analysis methods for pressure vessels and piping for light water reactor systems and to promote high temperature design technology and associated design criteria for liquid metal fast breeder systems.

When he joined ORNL's Engineering Technology Division, he assumed responsibility for the design and analysis of nuclear reactor systems and components. He conducted experimental studies on pressure vessels and piping and developed a structural analysis method, in close association with ASME's Pressure Vessel Research Committee and Boiler Code groups. He also directed the AEC's national program to develop high-temperature structural design for liquid fast breeder reactor systems. Since he became research program director in 1964, Greenstreet has headed a task force to assess time-dependent fatigue behavior of structural alloys and has managed work on fossil energy.

A member of ASME since 1950, Greenstreet has contributed to sections of the society's Boiler and Pressure Vessel Code. He also belongs to the Welding Research Council and to Sigma Xi.

Huffman, ORNL employee, dies



Mr. Huffman

James M. (Bud) Huffman, supervisor of records and distribution in the ORNL Information Division, died May 11 at the University of Tennessee Hospital in Knoxville.

Mr. Huffman, who joined the Nuclear Division in 1954, lived at

Route 6, Roberts Circle, Lenoir City. He was a member of Calvary Baptist Church and a veteran of the Korean War.

Survivors include his wife, Shirley S.; sons, Tom and Jerry; daughters, Ann and Janet Lea; and mother, Rita, all of Lenoir City; three brothers, Virgil and Bob, both of Lenoir City, and Bill, of Kingston; and two sisters, Edith Rector and Mary Smith, both of Lenoir City.

Services were conducted May 13 at Click Funeral Home, Lenoir City, with burial in Lakeview Cemetery. Memorial contributions may be made to the American Cancer Society, 408 Greenwood Drive, Clinton.

Safety Scoreboard

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

Y-12 Plant.....	234 Days	8,147,000 Employee-Hours
ORGDP	237 Days	7,850,631 Employee-Hours
ORNL	368 Days	9,198,751 Employee-Hours
Paducah.....	289 Days	2,698,000 Employee-Hours

Editor's note: On May 10, ORNL employees completed an entire year without a serious, work-related, recordable injury resulting in time lost from work. The best previous performance for the Laboratory came between July 4, 1968, and August 20, 1969, when employees worked 411 consecutive days without a lost-time accident. ORNL will now receive the Corporation's Bronze Safety Award for accumulating over eight million employee hours without a work-related, lost workday injury.



Jones

Vickie W. Jones recently became the first woman to complete an MS degree in engineering technology, a new master's program offered at Murray State University. Jones received a BS in biology from the University in 1975. She joined Union Carbide in 1976 and has worked in the Cascade Operations Division and the Technical Services Division at the Paducah Plant.

She is currently working as a safety analysis engineer in the plant's Project Management Department. Jones lives in Mayfield, Ky., with her husband, Gary.

Y-12er spends useful hours dedicated to community service

This week — May 17-23 — is Rescue Squad Week. It is highly important to a lot of Carbide employees, especially Bill Moore, Y-12 Stores Department.

Moore is captain of the Knoxville Volunteer Rescue Squad, spending untold hours each month in the non-paying job. He has been active in rescue squad work for more than 10 years and joins Claude Maples, Gary Sharp, Chuck Fletcher and Eddie Beeler in manning the giant Knoxville operations. Other Carbiders are active in rescue squads in the area ... Blount, Roane, Anderson, Loudon Counties, etc.

'98 active members trained in emergency procedures'

Moore recently showed off facilities at the headquarters on Chilhowee Drive in East Knoxville. (The KVRS also has a trailer located in West Knoxville on Lovell Road.)

"There are 98 active members in our squad," he said. "Of these, seven are paramedics, 40 are emergency medical technicians and the remainder have completed Red Cross first aid training." In addition, the unit is assisted by a physician when a disaster arises. Robert Lash, MD, serves as chairman of the board of the unit.

Dr. Lash commands the mobile medical unit, a fully-equipped hospital on wheels, including facilities for emergency surgery.

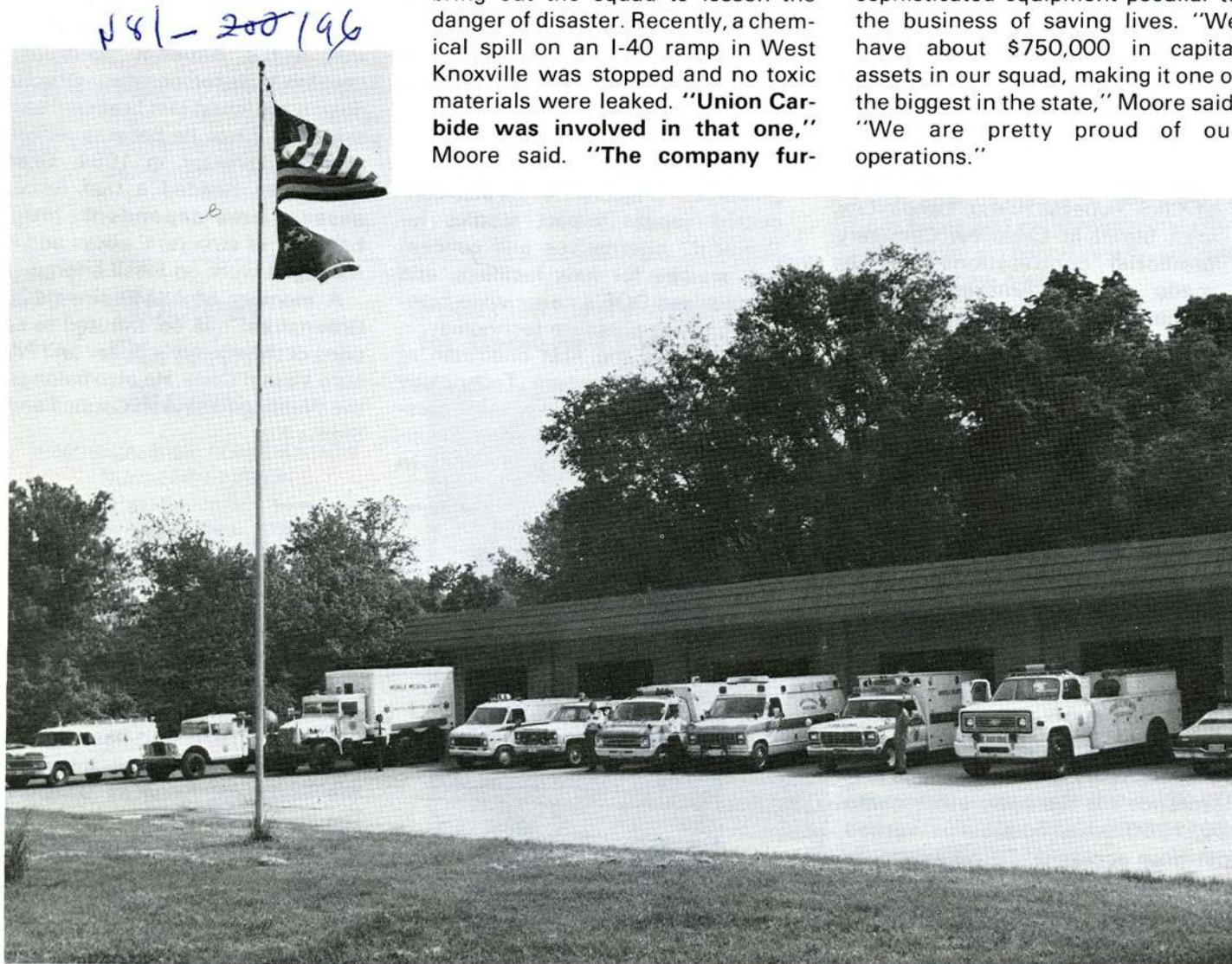
The Rescue Squad was organized in Knoxville in 1956 by 10 men. Costo McGhee, one of the charter members, is still seen frequently around the headquarters.

United Way supports Rescue Squad with \$37,000

Of the \$144,000 annual budget, the Squad relies on the United Way for \$37,000, Knox County for \$35,000 and the city of Knoxville for \$22,800. The balance comes from private donations. Direct solicitation is prohibited by United Way regulations.

A lot of rescue work is done on area waterways around Knoxville. Included are the Holston, Tennessee and French Broad Rivers, as well as Ft. Loudon Lake. "Getting a body out of the water is highly important to the surviving family," Moore points out. "There is not only an emotional involvement, there are legal aspects as well. The law says bodies must be recovered."

Pulling victims from the water is only one of the many ways the Rescue Squad serves the community. Chemical spills on highways bring out the squad to lessen the danger of disaster. Recently, a chemical spill on an I-40 ramp in West Knoxville was stopped and no toxic materials were leaked. "Union Carbide was involved in that one," Moore said. "The company furnished the expertise we lacked as well as the counter-chemical to cover the material had the leak worsened."



Almost \$1 million in capital at headquarters in Knoxville



AMBULANCE AVAILABILITY — Knoxville Volunteer Rescue Squad personnel run. From left are Bill Moore, Y-12er, who is captain of the Knoxville outfit; Jim Mike Carney, a captain in Post 630 of the Boy Scouts of America. Scouts earn stripes with the rescue squads.

nished the expertise we lacked as well as the counter-chemical to cover the material had the leak worsened."

Pulling the injured from wrecked vehicles involves the ambulance crew, the "jaws of life" and other sophisticated equipment peculiar to the business of saving lives. "We have about \$750,000 in capital assets in our squad, making it one of the biggest in the state," Moore said. "We are pretty proud of our operations."

In addition to the ambulance and mobile medical unit, there is a small crash unit, equipped to fight small fires. "We are not equipped to fight house fires, nor do we wish to do so. This equipment is primarily meant to put out fires when there is one involved in an automobile accident."

On the wall at the headquarters is a commendation from a United States Air Force commander, praising the men for searching for victims of a plane crash through waist-deep snows in the Smokies.

The Tennessee Association of Rescue Squads has its headquarters in Knoxville also and is observing the week along with other squads throughout the state.

Boy Scouts support Rescue Squad activities

The Knoxville group had an open house last Saturday, May 16. Free soft drinks and hot dogs were featured, as well as complete displays of equipment, at the squad's headquarters on Chilhowee Drive site.

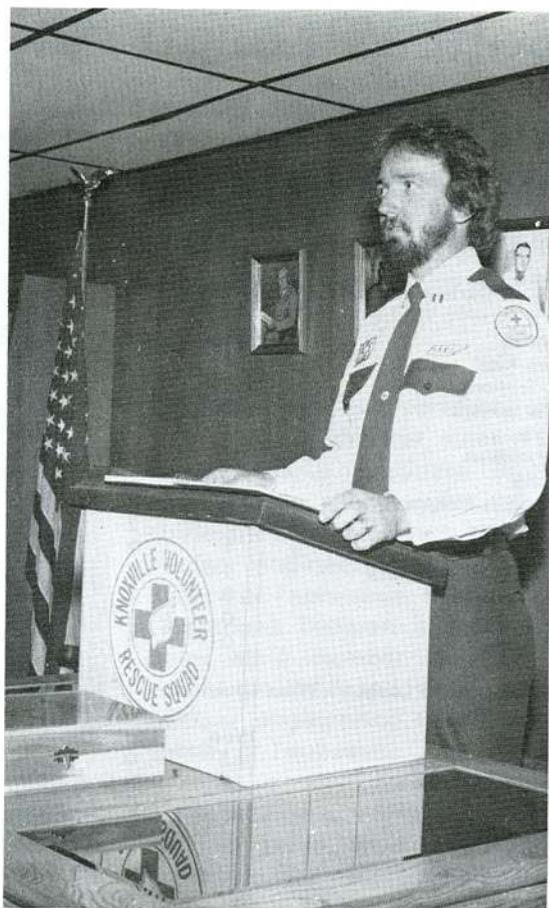
Post 630 of the Boy Scouts of America provides volunteers to assist in many of the activities. The explorers may earn a lot of their "stripes" through volunteer work with the squad.

Moore, a native of Knox County, joined Union Carbide in 1971, shortly after his graduation from Powell High School. After a military leave in the Air Force, he returned to assume his present job in the Stores Department. He lives at 2223 Wilson Road.

Service



Ready the ambulance for a trial times Acuff, Claude Keith and service credit for time spent



TRAINING SESSION — Keeping up-to-date on the latest in life-saving techniques is part of the rescue squads' responsibilities. Not only do these volunteers do a vital community service in rescue work, but they also are constantly updating their skills in their humane work. Bill Moore, Y-12er, leads a class at the Knoxville Squad.

Chuck Fletcher cited by squad

Chuck Fletcher, Research Services Department in Y-12's Maintenance Division, was named rescue squadsman of the year 1980, by the Knox County Volunteer Rescue Squad. Cited for outstanding service to the squad, Fletcher has only been active in the group a little more than two years. Members are judged on attitude, attendance and performance of duties in the all-volunteer agency.

Fletcher and his wife, Karen, live at Route 28, Old Sevierville Pike, Knoxville.



Fletcher *N 81-202*



MOBILE HOSPITAL — Bill Moore, captain of the Knoxville Volunteer Rescue Squad, inspects equipment in the mobile emergency unit. Moore, Y-12 Stores Department, has spent more than 10 years in volunteer service with the Knoxville squad.

Question Box

Excessive x-rays at dentist?

QUESTION: I recently broke a tooth and was told by my dentist that an x-ray was required if I wanted to collect insurance for a jacket crown, even though he felt an x-ray was not necessary. We should never have to submit to unnecessary x-rays. Could our dental insurance be changed so that the dentist's word is good enough?

ANSWER: Recognizing that some persons are reluctant to undergo x-ray examination, the insurance company asks for films only where their use is usually required as a part of accepted dental practice. The insurance company uses the films in the claim processing. In those instances where an individual or the dentist believes an x-ray to be unwise or unnecessary, the insurance company will accept a written description of the work in place of an x-ray so that the claim may be properly reviewed

for payment. Because of this option, it is not necessary to revise the Dental Expense Assistance Plan.

QUESTION: The UCC March 16, 1981, notice of annual meeting to stockholders has a retirement benefit table on page 18. The lowest average sample salary shown is \$50,000. Does this mean that most UCC employees earn \$50,000 or more?

ANSWER: Very few UCC salaried employees make \$50,000 or more. However, rules of the Securities and Exchange Commission require tables of the compensation (including retirement benefits) of officers and directors as a part of the Proxy Statement. The table is not intended to reflect a complete salary spectrum. Your Retirement Program booklet contains a table covering more general compensation levels.

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
January 81	18.5946	53.9691	12.4473
February 81	18.7420	55.2554	12.7318
March 81	18.8894	59.2256	12.9747
April 81	19.0386	59.2476	12.8204

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.75% for 1981. 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.



'JAWS OF LIFE' — Air compression drives the 'jaws of life,' used by rescue squads to extricate injured people from wrecks. Volunteer James Acuff practices on the machine, while Mike Carney, a captain in Boy Scout Post 630, adjusts the compressor at the left.

6071



SECOND HALF WINNERS — The Scrubs, captained by Gene Byers, first from left, rolled their way to the second half championship in Paducah's 1981 bowling league. Other members from Byers' left, are Bill Green, standing, Tom Mitchell, Bill Longton, Bob Henderson, Danny Hester and Bill Hester.



WINNING AMPS — The Amps took the season crown in the K-25 Wednesday Night League. From left are Jim Fletcher, C. W. Castle, Louie Finley, Charles Heth, Jim Winninger, John Patton and M. J. Gibson. Not seen is Leon Hurd.

Amps take K-25 Wednesday crown

The Amps took the league crown as the K-25 Wednesday Night League ground down to a halt recently. Their tough, head-on collision with the Operators, who won the first half of the season, was a close one. Withstanding the onslaught of the big O's, the Amps downed them by a score of 3033 to 2987. This is the fourth crown for the Amps in five years.

Engineering sets western theme

Saturday, June 6, is the date for this year's Engineering Division picnic. Set with a western background, the event is planned at the Clark Center Recreation Park, beginning at 9 a.m.

Lunch will be served at 12 noon. Tickets are \$2.50 for adults and \$1.50 for children.

There will be entertainment for all ages, from bluegrass music to foot races, egg tosses and a tug-o-war.

Tickets are on sale throughout the Division in the three Oak Ridge plants.

Archery contest planned Saturday

An archery clinic has been sponsored by the Recreation Department recently at the Oak Ridge Sportsmen Association's range.

Saturday, May 23, will feature a tournament at ORSA's outdoor range, beginning at 10 a.m. and extending through 2 p.m. The tournament rules are set so that the average, or newcomers, as well as the experts may win.

Additional information may be obtained from Paul H. Hight, extension 4-6490.

Softball League standings...

A total of 87 teams hit the dust in the Softball League, playing at Clark Center Recreation Park on these balmy spring evenings. Leaders line up as follows:

Hustlers	2	1
B. T. Express	2	1
Blue Demons	2	1
Infra Red Sox	1	2
Gashouse Gang	1	2
Millipore Fielders	0	3
Critical Pits	0	3
The Tigers	0	3

Carbon League - East Division

Name	Won	Lost
Fes-Kids	3	0
K-Traitors	2	0
His & Hers	2	0
Pirates	2	0
Bareskins	2	1
QA&I	2	1
Waggin Tongue	2	1
Wizards	1	2
Forty-Niners	1	2
Bear Creek Allstars	1	2
Ball Bangers	0	3
Sluggers	0	3
Streakers	0	3

Carbon League - West Division

Name	Won	Lost
Pits	2	0
Red Eye Gravy	2	0
Dazed & Confused	2	0
Tail-Gators	2	0
Sharks	1	1
Odds & Ends	1	1
Whirlybirds	1	1
Ad-Libs	1	1
Canberras	0	2
Seven + Three	0	3
Bits and Pieces	0	1
Carbonated Gators	0	1

Carbon League - Bush Division

Name	Won	Lost
Stonefingers	2	0
Screwballs	2	0
Trailer Kids	2	0
Cow-Patties	2	0
U.S.A.	1	1
Mert Dirt	1	1
"H" Bombs	1	1
Mug Huggers Ltd.	1	1
Super-Subs	1	1
The Loose Balls	1	1
Three Up Three Down	0	2
Pro Fusion	0	2
Jack's Jocks	0	2
Gauss House Gang	0	2

Atomic League - North Division

Name	Won	Lost
Snakes	3	0
Bruins	3	0
Thunderdogs	2	1
Prime Time Players	2	1

Atomic League - South Division

Name	Won	Lost
The Warriors	3	0
Bengals	2	0
G-Shifters	2	0
The Hooters	1	0
Tasmanian Devils	1	0
Artie's Army	2	1
Ole Rough & Ready	2	1
Magnum Force '81	1	1
Scattered Bats	1	2
Nomads	0	3
Rangers	0	3
Short Circuits	0	2
Preston Pirates	0	2

Carbon League - Central Division

Name	Won	Lost
Skinks	3	0
Ringers	2	1
Knockers	2	1
P.O.I.	2	1
Tom's Turkeys	2	1
Master Batters	1	1
Killer Bees	1	1
Crippled Turkeys	1	2
Altered States	1	2
Bombers	1	2
Tapeworms	1	2
Foul Play	1	2
Fed I	0	2

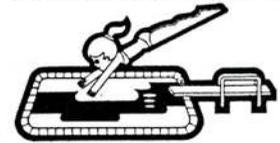
Paducah bowlers listed for year...

Bob Henderson captured the high handicap game during the Paducah Plant's end-of-season bowling tournament. Henderson rolled a 264. In second place was Woody Woodruff with a 258 followed by Gail Giltner with a 245.

A. K. Freels topped the numbers with a 715 for high handicap series. Andy Mason filled the number two spot with a 660 and Dave Kaler placed third in the money with a 643 for the night.

APPLICATION FOR PGDP SWIMMING INSTRUCTION

Noble Park Swimming Pool
Saturday mornings 9:30 a.m.
June 20 to July 25



EMPLOYEE'S NAME _____

DIVISION _____ PLANT PHONE _____

HOME ADDRESS _____

List student(s) name and age:

Name: _____ Age _____

Name: _____ Age _____

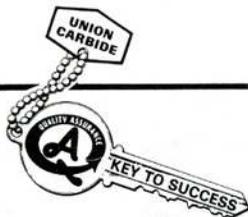
Name: _____ Age _____

Name: _____ Age _____

Mail to: JOHN DEW or John Dew
P.O. Box 1410 C-100
Paducah, Ky. 42001

A Free Swim period will start at 10:30 each Saturday and will be open to all employees and their families, as well as retirees.

Lessons and Free Swim will be held on June 20th and 27th, and July 11th, 18th and 25th.



"We are the key to quality assurance." (Submitted by Gladys Sherrod, ORNL.)

Jerry H. Swanks appointed Operations Division director

4251-79



Swanks

The appointment of Jerry H. Swanks as director of the Operations Division at ORNL, effective May 1, has been announced by Clyde C. Hopkins, executive director for support and services.

Swanks succeeds James A. Cox, director since 1957, who will continue as a member of the division staff until his retirement later this year.

The Operations Division, with a staff of 285, is responsible for the

operation of six research reactors, radioactive waste management projects, hot cells, radioisotope production and sales and various laboratory facilities, including the steam plant and utilities.

Swanks, who has served as associate division director since 1979, worked as a graduate student employee in the division for four summers after receiving the BS in nuclear engineering from the University of Tennessee. He joined the Operations Division as a development staff member in 1965. He received his MS and PhD degrees in nuclear engineering from the University of Tennessee.

He became leader of the technical support group, where he was responsible for the coordination of technical assistance for Operations Division activities.

Swanks is a member of the American Nuclear Society and the American Society for Testing and Materials.

He and his wife, the former Sammie Smith, reside in the Ten Mile community of Meigs County. They have two sons, Jonathan and Kevin.



BOAT INSPECTION — Making sure his boat is safe is Jim Rowan, left, Y-12 Assembly, who is a member of the Oak Ridge Power Squadron. Attaching the approval stamp is Wayne Shacher, Tennessee Wildlife Resources Agency; as a Coast Guard Auxiliary man inspects the boat. Harold McCurdy, ORNL Fusion Energy, approaches from the right.

Boat inspections set for June 6

The Oak Ridge Power Squadron, a unit of the United States Power Squadrons, is promoting Safety Boating Week, and will appear June 6 to answer questions about USPS. There will be free boat and equipment inspections at the following locations: Oak Ridge Downtown Shopping Center, Oak Ridge Marina and launch ramps at Melton Hill Dam and Solway Bridge. Inspection times are from 8 a.m. until noon, or longer if demand warrants it.



The Coast Guard Auxiliary and Tennessee Wildlife Resources Agency are participating in the inspections.

RECENT RETIREMENTS

2864-81

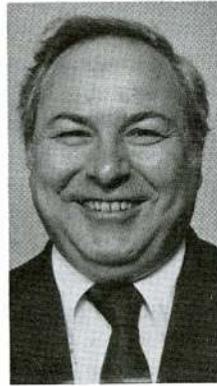
481-139



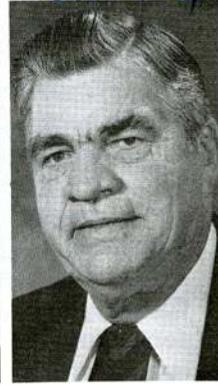
Darrell A. Hyde
Computer Sciences
ORGDP
33 years service



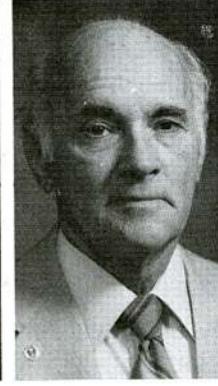
Dayle D. Thomas
Engineering
ORGDP
22 years service



Domenic A. Canonico
Metals and Ceramics
ORNL
15 years service



George E. Keller
Finance and Materials
ORNL
37 years service



William H. Gheen Jr.
Tool Grinding
Y-12
20 years service



Cecil M. Miller
General Foundry
Y-12
35 years service



John R. Blair
Barrier
ORGDP
36 years service



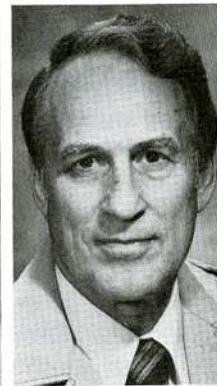
Fred B. Guttery
Chemical Services
Y-12
35 years service



Allen H. True
Engineering
ORGDP
31 years service



Laura Hiner True
Engineering
ORGDP
30 years service



Hugh A. Vantrees
Office Services
Paducah
29 years service



Carl H. Parks
A Wing Shops
Y-12
19 years service



Furman Strang Jr.
Plant Manager's
ORGDP
36 years service



Robert W. Lynn
Maintenance
ORGDP
35 years service



George W. Harris Jr.
Separation Systems
ORGDP
36 years service



Hubert F. Gale
Engineering
ORNL
29 years service

5000th TAT graduate honored

(Continued from page 1)

He reported this week to a new job as a machinist at AVCO Aerostructures Division in Nashville. Already in his furnished apartment, Petty is on his way.

"He's a good man," said James Brewer, machining instructor at TAT. "He knows what he's doing. His attendance record was perfect for the whole period."

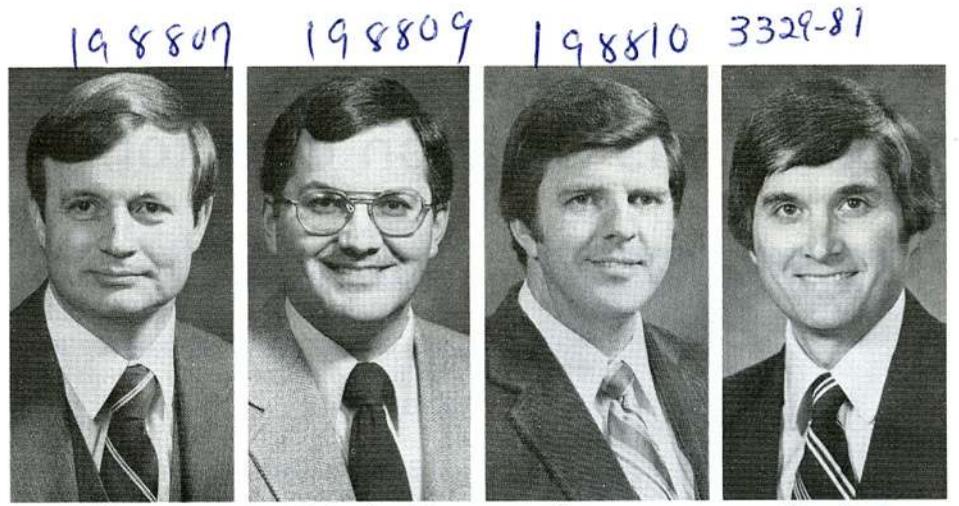
Bob Daniels, ORAU's director in the TAT project, presided at the ceremonies. He presented several other certificates recognizing groups and individuals who had supported the program, now in its 15th year. He recognized Michael Houschard, Region IV, Department of Labor; Ruth Frey, Tennessee Department of Employment Security; the division itself; Norman Beeler, Atomic Trades and Labor Council, and A. H. Keally, chairman of the TAT advisory committee.

Daniels concluded, "When we congratulate Don Petty, we are actually congratulating ourselves for the unbelievable success of the TAT program."

Petty's feelings were summed up with, "Boy, I'm so happy!"



CHECKING FOR SIZE — Don Petty tries on his 'graduation cap' as Margaret Crosby, U.S. Department of Labor, attends special ceremonies recently at the American Museum of Science and Energy, honoring the 5000th graduate from the TAT project.



Chilcoat

Litherland

Queen

Seneker

Four promotions announced in Mechanical Engineering

The following organizational changes have been announced in the Nuclear Division's Mechanical Engineering Division.

Tony R. Chilcoat has been named section head in the product certification section of the Tool and Manufacturing Design Department.

A native of Haleyville, Ala., Chilcoat has a BS degree in mechanical engineering from the University of Tennessee. He joined Union Carbide in 1951 in Tool Engineering. In 1958 he was promoted to Inspection Engineering and in 1975 was named to Product Engineering.

Married to the former Carol Elaine Brucke, he lives at 7948 Cranley Road, Powell. The Chilcoats have two children, Mark and Jennifer.

P. Steve Litherland has been named head of the production development section of the Mechanical Technology Engineering Department, responsible for engineering work related to development enrichment processes.

A native of Vincennes, Ind., he has a BS in engineering from the University of Illinois and an MS in theoretical and applied mechanics from the same university. He joined Union Carbide in 1974 as a mechanical design engineer. Prior to coming to Oak Ridge he was with Texaco, and served four years in the U.S. Navy. He is a registered professional engineer in the state of Illinois, and serves on the committee on the design of large vacuum vessels in the American Vacuum Society.

He and his wife, the former Christine Natale, live at 271 East Drive, Oak Ridge. They have a son, Joseph.

Charles C. Queen Jr. has been named section head in the magnet systems section of the Fusion Technology Engineering Department.

Born in Greenville, S.C., he has a BS in mechanical engineering from Tennessee Technological University. He worked as a design engineer at Pratt & Whitney Aircraft and Fleet Guard, Inc., before joining Union Carbide in 1975. He is a registered professional engineer.

Mrs. Queen is the former Mildred Russell, and they live at 10624 Chevy Drive, Knoxville. They have three children, Jennifer, Jane Anne and Carrie.

James A. Seneker has been named a section head in the Mechanical Design Engineering Department. He has been a design engineer involved in the design of experimental facilities for the gas-cooled breeder reactor program.

Seneker, a native of Bristol, Va., received a BS in mechanical/aerospace engineering from the University of Tennessee. He joined the Nuclear Division in 1975, after being employed by Martin Marietta Corporation, Denver. Seneker is a member of Pi Tau Sigma and Tau Beta Pi honorary engineering societies.

He and his wife, Judy, live at 1608 Blackwood Drive, Knoxville. They have two sons, Brian and Jason.

Save Energy/Share the Ride

ORNL

VAN POOL RIDER needed from West Knoxville area (Bearden through Farragut) to main portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

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.

VAN POOL RIDER from West Knoxville, Walker Springs, Cedar Bluff, Cedar Springs Shopping Center areas, via Lovell Road, to South or West Portals, straight day. Mike Caldwell, plant phone 4-4885; home phone 691-4194.

VAN POOL RIDERS needed from Lenoir City, 8-4:30. Gene Lawrence, plant phone 4-4458; home phone 983-4347; or Joel Horton, home phone 983-9160.

VAN POOL RIDERS needed from Emory Road, Camelot and Oak Ridge Highway areas to any portal, 8-4:30. Glen Smith, plant phone 4-4743; home phone 690-2820.

CAR POOL MEMBERS needed from Cedar Bluff Shopping Center to South Portal, 8-4:30. Sharon Whitaker, plant phone 4-4881.

CAR POOL MEMBER needed from Cedar Bluff Shopping Center, West Knoxville, to South Portal, 8-4:30. Amy Baites, plant phone 4-6067.

SUMMER STUDENT NEEDS RIDE from Chickapen Lane (near Tri-County Shopping Center) in Oliver Springs to East or West Portal, 8-4:30 or 8:15-4:45 shift. Phone University Relations' Office, 4-5922.

RIDERS NEEDED FOR BUS (Greyhound-type) from West Knoxville to all portals, 8-4:30. Ray Claiborne, 693-1168; or E. L. Fair, 4-5723.

Y-12

RIDE from vicinity of Family Inn, Gallaher Road, to North or Central Portal, 7:30-4 shift. Bill Farmer, plant phone 4-3749, home phone Kingston 376-9916.

ONE or TWO for CAR POOL from Kingston to North or Central Portal, straight day. Fred Preston, plant phone 4-4062, home phone Kingston 376-3520.

CAR POOL MEMBER from Maryville, Alcoa or vicinity Alcoa Highway to any portal, 7:30-4. A. W. Maxey, plant phone 4-1818, home phone 577-7432.

RIDE from Claxton, Edgemoor Road, to Central Portal, 8-4:30. John Clark, plant phone 4-8384 or 4-0832; home phone 945-2013.

ORGDP

CAR POOL MEMBER NEEDED from Karns area, Ball Road, 8-4:30. Alvin Hilton, plant phone 4-8988; home phone 690-1178.

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