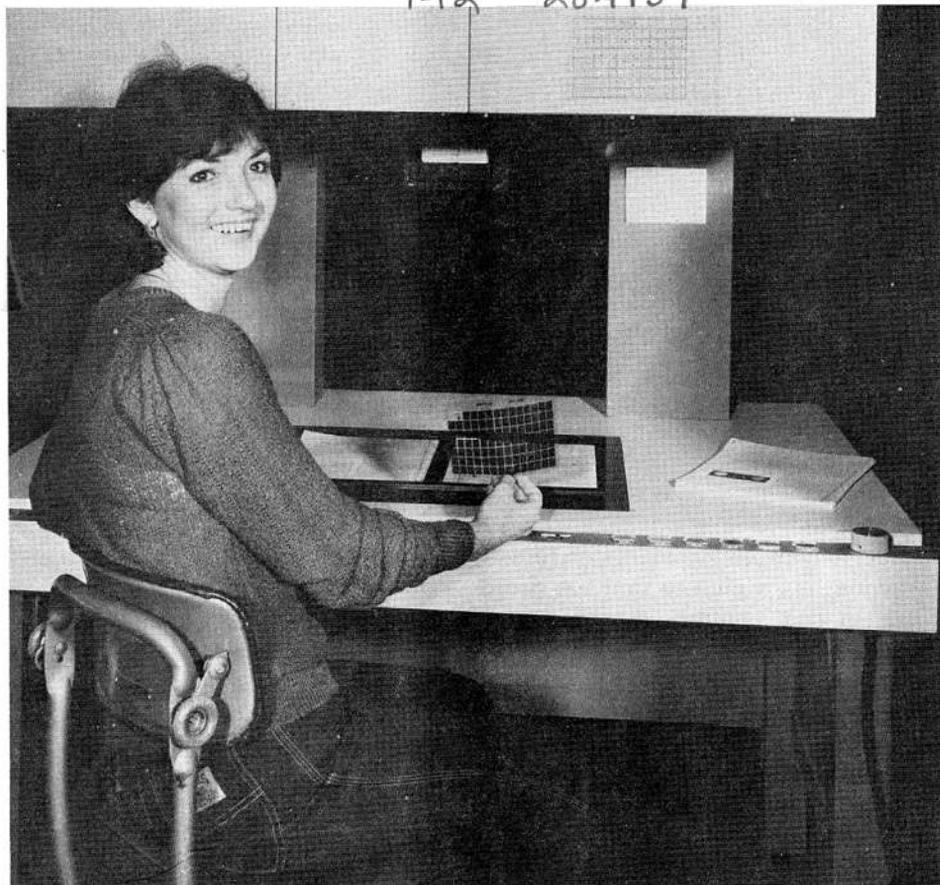


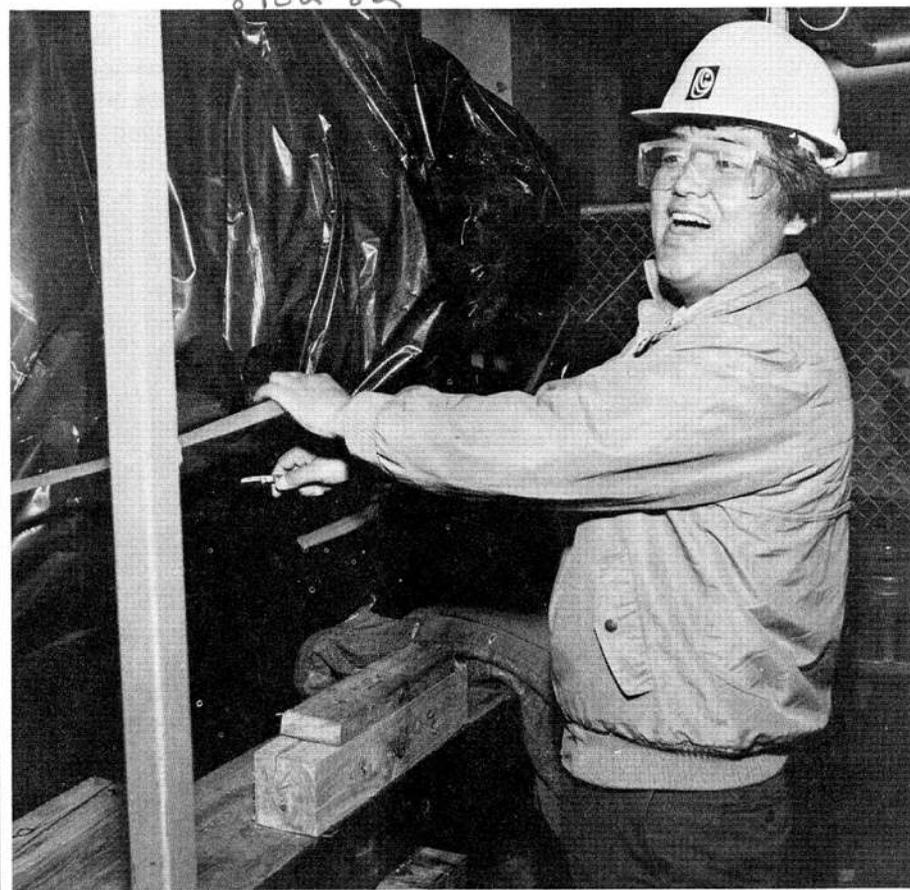
## Employees remember unique holiday experiences



Annette Franse

### In this issue . . .

Kioshi Yoshida of the Japan Atomic Energy Research Institute is elated as he cuts the tape holding the protective wrapping on a 45-ton superconducting electromagnet that arrived in Oak Ridge from Japan in mid-November. The magnet is one of six that will be tested in the Large Coil Test Facility in ORNL's Fusion Energy Division, and a ceremony was held there November 29 to celebrate the first magnet's arrival and recognize progress in the facility's construction. See story on page 7.



To most people, the holiday season brings memories of traditional celebrations, as family and friends gather to share in festive meals, decorate the home, light candles, sing carols or other holiday songs and exchange gifts.

Several Nuclear Division employees, however, have spent at least one holiday under somewhat unusual circumstances or can recall an occurrence that made their Christmas or Hanukkah somewhat "different," to say the least. Their remembrances are shared in the following feature.

**Dennis Frazee** of Paducah's Environmental Control Department was in Vietnam in 1972 and spent Christmas on an Air Force base at Tuy Hoa. Although he won't reveal the details, his group raided a Navy ship and made off with steaks and beverages for their holiday celebration. Using their commanding officer's homemade grill, the men concocted a Christmas dinner of sorts. Even without gifts and decorations, "just getting together and having a time-out was good enough," Frazee said. "In situations like that, you'd like to be at home, but you realize you are there for a purpose, so you make the best of it."



**Annette Franse**, Y-12 Micrographics, said she must have lived a "dull life" with not too many outstanding holidays. One particularly impressed her, however, when she was seven years old. She and her older sister found packages hidden in the closet in March, more than three months after Christmas.

"Neither of us could imagine Santa being that forgetful," she recalled.



**Betty Benton** of the Quality Assurance Office at ORGDP said her most unusual Christmas involved a visit from the "stork" in 1980. Her baby girl was due on January 11 but arrived three weeks early, "rather unexpectedly."



"The one I missed," was the answer **Norm Sparks** gave when asked about his most unusual Christmas. Sparks, who is in the General Accounting Division at ORGDP, was a marine on the way to Vietnam in 1966. He left San Francisco airport on December 24 and arrived in Tokyo on December 26.



**Bryan Lamb** of ORNL's Laboratory Protection Division recalled a special Christmas morning during his childhood when he awoke with vivid proof that Santa Claus had visited.

"I was nine years old, and I remember looking out into the snow that morning and seeing deer and

sled tracks," Lamb said. "My sister and I were really excited about it. We were sure that the old man had come and left us presents."

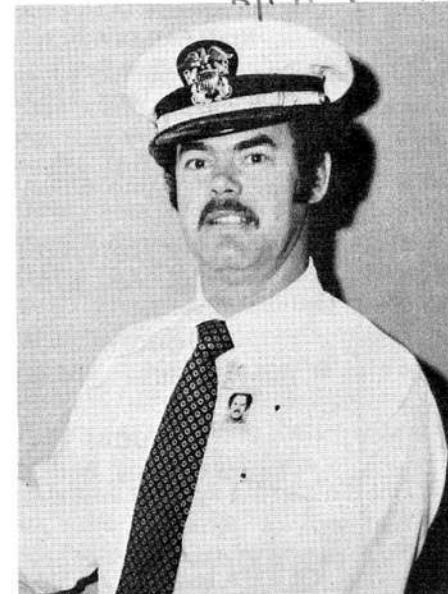
According to his father, **Calvin Lamb** of the ORNL Chemical Technology Division, the "Santa marks" were the result of an unusual set of circumstances. "Someone had pulled a sled across some animal tracks, and from the children's window, it really looked like deer and sleigh tracks," he said. Compounding the effect was another set of tracks, made by neighbor **Frank Strang**, who recently retired from ORGDP.

"Frank came over that night to drop off a gift, and his footprints led from the sled tracks right up to the door," Lamb said. "It really was a beautiful effect, and the kids were overjoyed at thinking Santa had left his mark."



**Roy Fenstermaker**, ORGDP Operations Division, had several unusual holidays during his eight years of service in the U.S. Navy. One year, he shot pool all Christmas Day at a Holiday Inn on the island of Guam; another year he was aboard a 747 on his way to Hawaii; and still another holiday found him "submerged in the middle of the Pacific Ocean, heading due west."

(Please turn to page 8)  
KIPH 82-4105



Roy Fenstermaker

# Recent Retirements



Most of these retirees will be retiring December 30.

N 82-264 N 82-266 Y-12 210250 N 82-270



<b>M. Helen Cunningham</b> Plant Records Y-12 38 years service	<b>William E. Weaver</b> Dispatching Y-12 30 years service	<b>Herman G. P. Snyder</b> Employee Relations Y-12 36 years service	<b>Larry M. McLaughlin Jr.</b> Shift Superintendents Y-12 31 years service
-------------------------------------------------------------------------	---------------------------------------------------------------------	------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

N 82-271 N 82-263 N 82-269 N 82-262



<b>Grover C. Gipson</b> Guard Department Y-12 31 years service	<b>Mary G. Davis</b> Plant Laboratory Y-12 28 years service	<b>Carl K. Poland</b> Special Services Y-12 36 years service	<b>Joseph F. Winfree</b> Special Services Y-12 33 years service
-------------------------------------------------------------------------	----------------------------------------------------------------------	-----------------------------------------------------------------------	--------------------------------------------------------------------------

N 82-265 N 82-264 N 82-267 Badge



<b>Howard S. Smith</b> Production Coordination Y-12 30 years service	<b>Otto W. Briscoe</b> Plant Laboratory Y-12 39 years service	<b>King C. Burgess</b> Standards & Surveys Y-12 31 years service	<b>Joe W. Gooch Jr.</b> Environmental Sciences ORNL 27 years service
-------------------------------------------------------------------------------	------------------------------------------------------------------------	---------------------------------------------------------------------------	-------------------------------------------------------------------------------

# Union Carbide Retirees Association



P.O. Box 3501 P.O. Box 238  
Oak Ridge, TN 37830 Paducah, KY 42001  
576-1786

News editor: Al Burris Associate editor: Warner Taylor

We had a great time on our Las Vegas trip! As we flew in the bright sunshine on Thanksgiving morning, we were treated to spectacular views of the snow-capped Rockies, the Grand Canyon and Hoover Dam. With cameras pressed against the windows, we clicked away in an effort to capture the sights on film. If anyone has a picture that we could use in this column, please let us know.

In Las Vegas, some members of our group scouted for the best places to eat, some for the best shows, and some for the best places to hit a jackpot! We heard more about winnings than about losses, and we did see a lot of small jackpot winners.

Our 184 travelers returned late Sunday night, noticeably quieter than when we left. We "happy-go-lucky" retirees did have a twinge of sympathy for those who had to go to work just a few hours later.

### Christmas party

We will have lovely memories of this holiday season because it began with our special Christmas party. Thanks to those who worked to make it such a success, including: Don and Ann Matlock, who chaired the event and handled the logistics; Marge Walker, who made the cheese balls and punch and handled the serving

arrangements; Nelson and Mildred Weasner, Jim and Polly Moore and Louise Berry, who made table decorations; Dramia Smith, who took reservations and served as cashier; and Sarah McIntyre, our photographer.

Special thanks also to the ORNL Credit Union for donating the food for our snacks.

### Other news

Emmett Moore, chairman for volunteer workers at the Y-12 blood drive, reported that 60 retirees and spouses are scheduled to participate. In addition, Virginia Donahoe recruited 18 nurses to assist Medic in screening potential donors. Thanks to all who participated.

Be sure to check our January column for information on trips to Mexico in March, the Kentucky Derby in May, Hawaii in June, Nova Scotia in September and our surprise Thanksgiving trip. A reservation form for the first two trips will be included in the next column.

Last word: Happy holidays to all!

### Next issue...

The next issue will be dated December 23. The deadline is December 15.



## Nuclear Division News

Published every other week for employees such as:

UNION CARBIDE CORPORATION  
NUCLEAR DIVISION  
Post Office Box Y  
Oak Ridge, Tenn. 37830

EDITOR (Y-12)  
James A. Young, 574-1643

ASSOCIATE EDITOR (ORNL)  
Cindy Ross Lundy, 574-4163

ORGDP  
Ruby A. Miller, 574-8092

PADUCAH  
Laura Quigley, Bell 208



**James A. Hummel, Production Radiation Testing, Y-12.**



## Henry H. King dies in Kentucky

Henry H. King, a shift superintendent in the ORGDP Operations Division, died November 24 while on a hunting trip in Murray, Ky.

Mr. King, who was born in Winchester, Ky., had lived in Oak Ridge since 1944. He served in the U.S. Army during the Korean War.

In 1958, Mr. King joined the Nuclear Division at ORGDP, working in several positions including cascade coordinator. He was a member and former chaplain of the Elks Lodge in Oak Ridge and a member of the Harriman Masonic Lodge. He belonged to Kerns United Methodist Church.

Survivors include his wife, Eleonora, of Harriman; son, Henry Hayden King II of Cocoa Beach, Fla.; daughter, Sharon King Reynolds of Houston, Tex.; stepson, Robert Allen Smith of Clinton; mother, Mary L.



**Mr. King**

King; brothers, David L. King and Lt. Col. Samuel D. King; sister, Dorothy Phillips; and three grandchildren.

The family requests that memorials be in the form of gifts to the East Tennessee Heart Association, c/o Ancil Silvey, 116 Montreal Lane, Oak Ridge 37830.



**SCOUT PRESENT** — Norman Rockwell's print "We Thank Thee, O Lord," was presented at the Paducah Plant recently in appreciation for the \$5,000 Union Carbide donated to the Four Rivers Council for use in the purchase and renovation of a new building and grounds for the Scouts in the area. John Drew, executive board member of the Council, BSA, right, presented the painting to Clayton Zerby, Paducah Plant manager.

## William McWhorter appointed to manage new organization

William C. McWhorter, Separation Systems Division (SSD) at ORGDP, has been appointed manager for the Nuclear Division's Advanced Gas Centrifuge (AGC) Design Agent Organization. This new organization has responsibility for the next generation of advanced, highly efficient gas centrifuge machines for use in Process Buildings 3 through 8 of the Gas Centrifuge Enrichment Plant (GCEP).

GCEP is being built by DOE in Portsmouth, Ohio, to expand the nation's uranium enrichment capability through use of the energy-efficient gas centrifuge separation process. Uranium enriched in the U-235 isotope is used as fuel in nuclear power reactors in this country and abroad.

DOE recently gave the Nuclear Division design responsibility for the AGC machine, which has a goal of significantly greater separative capacity than the centrifuges being provided for the first two GCEP buildings. The Design Agent Organization will coordinate the efforts of SSD, Nuclear Division Engineering, Operations Analysis and Planning, and the Operating Contractors Project Office by providing overall planning direction and control of the AGC program. In addition, coordination will be provided for the other DOE contractors working on the AGC Program.

McWhorter has been involved in the gas centrifuge research and development program at ORGDP since 1971. A native of East Tennessee, he



William C. McWhorter

received his bachelor's degree in chemical engineering from Vanderbilt University. He served for three years in the U.S. Navy as an engineering officer on the USS Thuban, an amphibious force attack ship.

McWhorter joined the Development Division at the Y-12 Plant in 1960, transferring to ORGDP's Separations Systems Division in 1971. His most recent position has been as manager of the Process Systems Department which has provided process and equipment technology for the GCEP.

A captain in the U.S. Naval Reserve, McWhorter is currently in charge of the Office of Naval Research's Chemical Warfare Emergency Response Team for the Atlantic. He, his wife, Mary, and their daughter live on Culver Road in Oak Ridge.

## John Googin receives award from 'Chemical Engineering'

John M. Googin, a Union Carbide Corporate Research Fellow, has been selected 1982 recipient of the *Chemical Engineering* magazine award for "Personal Achievement in Chemical Engineering."

Googin is being recognized for work he has performed during 38 years as a Nuclear Division employee. The award is presented every two years to recognize individuals whose creative application of chemical engineering principles has been outstanding, and whose contributions to industry and society serve as models for all in the engineering profession.

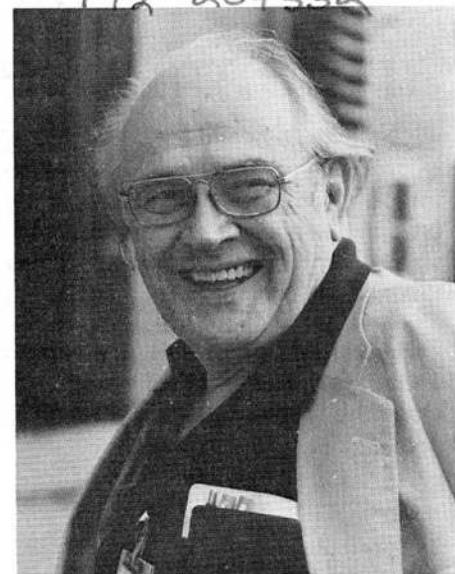
Googin is the 26th person to receive this award since it was established in 1968. He is the only winner for 1982.

### Joined Tennessee Eastman

A native of Lewiston, Me., Googin received his bachelor's degree in chemistry/mathematics from Bates College in 1944. Shortly after graduation he joined the Tennessee Eastman Company to work on the Manhattan Project at the Y-12 Plant. In 1953, he received his PhD in physical chemistry from the University of Tennessee, Knoxville.

Googin is a senior staff consultant to the Nuclear Division's production organizations and is still located at the Y-12 Plant.

Among his many discoveries are a process for separating zirconium and hafnium and the design of the first production plant for that process; various purification, separation and metallurgical processes for heavy metals, including nuclear materials; high-temperature die pressing and gas autoclave techniques for ceramic and metal-part production; a fixed-film bacterial system to treat domestic wastewater; a solvent extraction process for removing polychlorinated biphenyls from process oils; and a process for making sinterable metal-



John M. Googin

lic and ceramic powders for atomic materials. He has also made valuable contributions to the design of components for centrifuge machines used in the nation's gas centrifuge program for uranium enrichment.

### Lawrence Award winner

The U.S. Atomic Energy Commission presented Googin an E.O. Lawrence Memorial Award in 1967 for his work in chemistry and metallurgy. He has also received many other awards and honors, including two of the *Industrial Research and Development* magazine's prestigious I•R 100 Awards.

Googin was named a Union Carbide Corporate Research Fellow in 1976. This title is reserved for those whose professional achievement and outstanding technical abilities have received corporate and nationwide recognition.

Googin is a fellow of the American Society for Metals and a member of several professional organizations. He and his wife, Janet, live on Orkney Road in Oak Ridge. They have four daughters.

### Question Box

## What about Savings Plan?

**QUESTION:** I have heard rumors that Nuclear Division employees who are participating in the Savings Plan will be paid all of their Savings Plan money at the end of 1982. Is this true?

**ANSWER:** No. As long as employees are working for Union Carbide Corporation, they will continue to participate in all plans.

### Compact parking

**QUESTION:** Recently I received a parking citation for parking in a space that had been designated for compact cars, even though there was ample room for any size car. I took the time to check the compact cars that

were parked in the angled parking places and not one had been issued a citation. Why?

**ANSWER:** Compact parking areas have been designated in order to maximize our limited parking facilities. The individual parking spaces in such areas are smaller than the angled, full-size spaces and are considered inadequate for the safe operation of full-size vehicles; hence, the reason for reserving the smaller spaces for the smaller cars.

Traffic surveys are taken from time to time in order to maintain an approximate mix of compact versus full-size spaces. We encourage all drivers to use appropriate parking areas.

# Festive holiday foods are employees favorites

Because traditional meals are an important part of any holiday celebration, we asked several Nuclear Division employees to share their favorite recipes for festive foods.

**Herb Inhaber** of ORNL's Health and Safety Research Division provided the following recipe for a favorite cookie.

### Ginger Thins

- 3/4 cup butter
- 1 cup brown sugar
- 1 egg
- 1/4 cup molasses
- 1-1/2 cups flour
- 1/4 teaspoon salt
- 1/2 teaspoon soda
- 1/2 teaspoon each of cloves, cinnamon and ginger

Cream butter, brown sugar, egg and molasses. Sift flour; mix with other dry ingredients. Combine with butter mixture. Drop dough by 1/4 teaspoonfuls onto greased cookie sheet. Bake 5-6 minutes at 325 degrees. Cool on rack.



From **Helen Ross**, Y-12 Engineering, comes this recipe for a colorful gelatin salad that has become a family favorite.

### Easy Holiday Congealed Salad

- 2 3-ounce packages cherry gelatin mix
- 2 cups boiling water
- 1 can whole cranberry sauce
- 1/2 cup chopped pecans
- 1 cup sour cream

Dissolve gelatin in boiling water; cool slightly. Add cranberry sauce and mix well; cool a little more. Add nuts and sour cream; blend, but not completely, so that sour cream forms streaks in mixture. Pour into mold and chill until firm. May be served plain or with a dressing made of equal amounts of whipped cream and mayonnaise.



**Jim Young** of the Public Relations Department at Y-12 shared his favorite recipe for pecan pie, a southern holiday tradition.

### Old-Fashioned Southern Pecan Pie

- 1 cup light brown sugar
- 1 cup dark syrup
- 1 cup finely chopped pecans
- 3 eggs
- 1 teaspoon vanilla
- 3 tablespoons melted butter
- Pinch of salt
- 1 unbaked pie shell

Mix ingredients and pour into pie shell. Decorate top of pie with 1/2 cup of unbroked pecan halves. Bake at 350 degrees for about one hour or until firm.

This recipe for "Hummingbird Cake" was furnished by **Sandy Whittaker** of the Plant Manager's Office at ORGDP.

### Hummingbird Cake

- 3 cups all-purpose flour
- 2 cups sugar
- 1 teaspoon salt
- 1 teaspoon soda
- 1 teaspoon cinnamon
- 3 eggs, beaten
- 1-1/2 cups salad oil
- 1-1/2 teaspoons vanilla
- 1 8-ounce can crushed pineapple, drained
- 1 cup chopped pecans
- 1 cup chopped bananas

Combine dry ingredients in a large bowl. Add eggs and salad oil, stirring until dry ingredients are moistened. **Do not beat.** Stir in vanilla, pineapple, pecans and bananas. Bake in 9" x 13" pan for 35-40 minutes at 350 degrees. Cool; frost with cream cheese frosting. Cake also may be baked in three 9" layers.

### Cream Cheese Frosting

- 1 8-ounce package cream cheese
- 1/2 cup butter or margarine
- 1 16-ounce box powdered sugar
- 1 teaspoon vanilla

Mix cheese and butter; cream until smooth. Add sugar and vanilla; stir until smooth.



The recipe for "Nuts and Bolts," a popular party snack, was provided by **Tom Wooley** of Paducah's Maintenance Division.

### Nuts and Bolts

- 1 box oat cereal
- 1 box puffed-corn cereal
- 1 box cereal rice squares
- 1 box cereal corn or wheat squares
- 2 boxes very thin pretzels
- 3 pounds nuts
- 1/4 pound bacon drippings
- 3/4 pound butter or margarine
- 2 tablespoons garlic salt
- 1 tablespoon cayenne pepper
- 1 teaspoon celery salt
- 1 teaspoon Worcestershire sauce
- 1 tablespoon Tabasco sauce

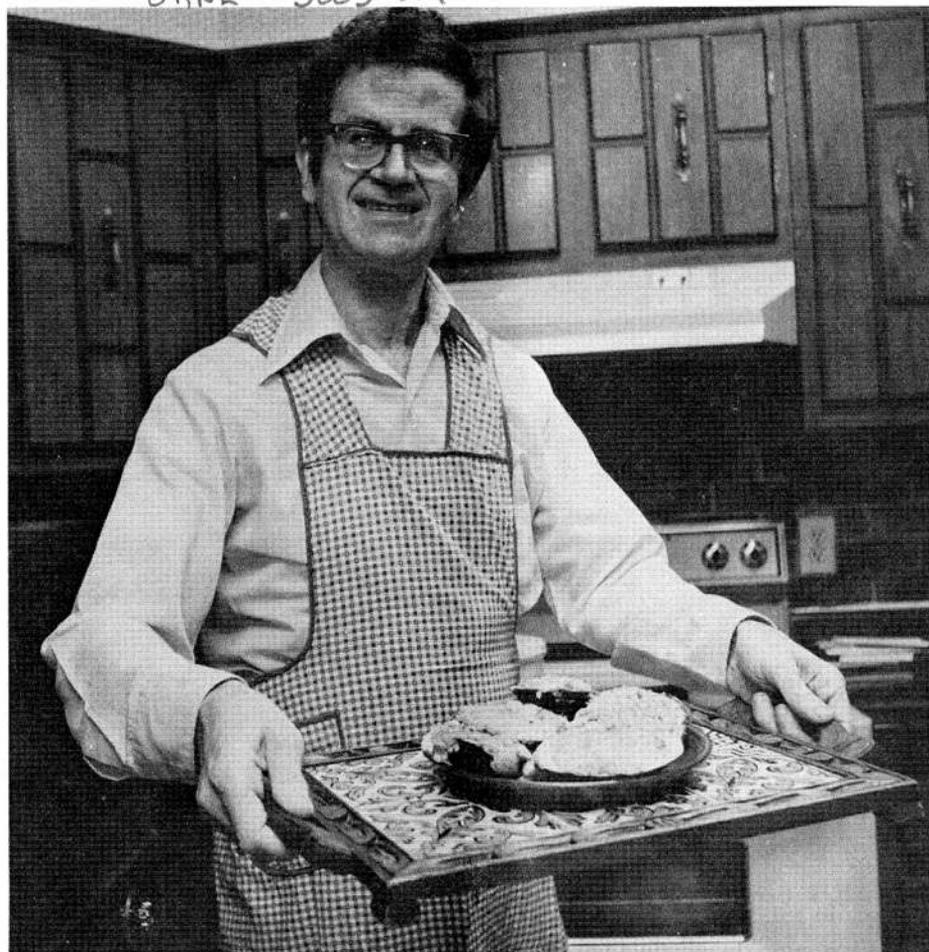
Put first six ingredients in large container. Melt margarine in saucepan and add all seasonings. Stir mixture well and pour over dry ingredients. Stir and mix well. Place in 250-degree oven for two hours, stirring every 20 minutes.



**Mike Meyer**, Paducah Engineering, contributed this easy coffee cake recipe for holiday breakfast or brunch.

### Quick Crumb Coffee Cake

- 1 package hot roll mix
- 1/2 cup sugar
- 1/2 teaspoon cardamom (optional)



**Herb Inhaber**

Follow directions on hot roll mix for dough. When doubled in size, divide into two pieces. Spread each in round cake pan; brush with melted butter. Let rise again.

### Crumb Topping

- 1 cup sugar
- 1/2 cup flour
- 1/2 teaspoon cinnamon
- 1/2 cup butter

Mix dry ingredients; cut in butter. Spread topping over coffee cakes. Bake 30 minutes at 350 degrees.



**Jim Mottern** of the ORNL Information Division contributed the following recipe for scallop-filled crepes.

### Coquilles St. Jacques Crepes

- 1/3 cup dry white wine
- 2 tablespoons chopped green onion
- 1/2 pound scallops, cut into small pieces
- 1 cup sliced fresh mushrooms
- 3 tablespoons butter
- 3 tablespoons flour
- 1/2 teaspoon salt
- 1-1/2 cups light cream
- 2 tablespoons chopped fresh parsley
- 10 cooked crepes
- 1/2 cup grated swiss cheese

In saucepan, combine wine, onion, scallops and mushrooms. Cover and simmer for 5 minutes. Meanwhile, melt butter in skillet. Stir in flour and salt. Pour in light cream; cook, stirring constantly until thickened. Add parsley; then add scallop-mushroom mixture. Fill cooked crepes in shallow baking dish. Sprinkle with cheese. Heat in 350-degree oven for 10-15 minutes or until cheese melts.



"Japanese Chocolate Cake" is a favorite of **Malinda Raby** of the Employee Relations Division at ORGDP.

### Japanese Chocolate Cake

- 2 cups sugar
- 2 cups all-purpose flour
- 1 stick margarine
- 3-1/2 tablespoons cocoa
- 1/2 cup vegetable oil
- 1 cup water
- 1/2 cup buttermilk
- 2 eggs
- 1 teaspoon soda
- 1 teaspoon vanilla flavoring
- 1/2 teaspoon salt

Mix sugar and flour in large mixing bowl. In saucepan, mix margarine, cocoa, oil and water; bring to a boil. Pour cocoa mixture into bowl with sugar and flour; mix well with spoon. Beat together buttermilk, eggs, soda, vanilla and salt; add to other mixture. Bake in large sheet pan at 400 degrees for 30 minutes or until cake pulls away from sides of pan.

### Frosting

- 1 stick margarine
- 3-1/2 tablespoons cocoa
- 6 tablespoons buttermilk
- 1 box confectioner's sugar
- 1 cup chopped nuts
- 1 teaspoon vanilla flavoring

Bring first three ingredients to a boil; remove from heat. Add sugar; beat until smooth. Add nuts and vanilla and spread over cake.



## Holiday facts

One of the first representations of a decorated Christmas trees was on an English greeting card of the early 1870's, which showed playful Victorian children dancing around it. With a few exceptions, the tree was not a common pictorial symbol of Christmas until the twentieth century.

# AFS students share holidays with host families

N 82-280

Several area families will celebrate "foreign" holidays this year, as they welcome the season with student visitors in their homes. The American Field Service allows our students to spend a year in another country, while foreign visitors spend a year in our school systems. Two AFS students are staying with Nuclear Division families and will be sharing their holidays.

**Jean-Paul Olhaberry** of Santiago, Chile, is spending his senior year of high school in Oak Ridge. His hosts are **Howard and Marty Adler** of ORNL's Biology and Energy Divisions and their daughter, Beth, a junior at Oak Ridge High School.

There are many similarities between Christmas customs in America and Chile. "It is very similar to here," Jean-Paul said. "There are Christmas sales, trees are decorated and gifts are exchanged."

One difference is that Christmas is always celebrated on the evening of December 24, rather than on December 25. "A big supper with the family during the evening is very

important. Gifts are opened during this time, and some families go to church before the Christmas supper. But we never celebrate Christmas in the morning," he said.

Another difference is the weather. The climate in Chile is very similar to that of this area, but while it is winter here, it is summer in Chile during Christmas.

It will be a typical American Christmas at the Adler residence this year. "Our plans are about the same," said Howard Adler. "We expect both of our sons to be home and we will handle it just about the way we always do. We usually do some caroling. We will go to church on December 24 and have a big dinner on December 25."

"On Christmas Eve we will celebrate Howard's mother's 75th birthday, so that will be something special," Marty Adler explained.



**Jeanette Hermann**, from Denmark, has been in the **Charles Cagley** home in Oliver Springs since July. **Charles** is in Y-12's Fire Department; his wife, **Betty**, is in the Finance and Materials Division at ORGDP.

"A Danish Christmas is pretty much like one here," Jeanette said. "We celebrate on Christmas Eve, allowing the youngest one to distribute the gifts. We sing and dance around the tree, but Christmas Day is just another day in Denmark."

Jeanette decided she would like to become an exchange student after her older brother spent a year in Chicago five years ago.



**Karen, Betty and Charles Cagley and Jeanette Hermann**

The Cagleys felt that Karen, their youngest daughter, needed a "sister," since both her older sisters were married and away from home. "Charlie was a little hesitant at first," Betty Cagley said, "but we really get enthused about the AFS program. Now we support it completely."

Adept in six languages, Jeanette has hardly a trace of an accent. She has experienced little difficulty in adjusting to American customs. She said stuffed goose is a traditional Christmas meal in Denmark, but that she can "do without it." "Turkey tastes better," she explained.

Karen, Jeanette's American "sister," enjoys having a schoolmate in her home. Neither of them is very good at cooking, so no recipes for holiday treats were offered. Jeanette recently attempted to make a Van Kringle cake, a cinammon-type cake from her native land, but she explained that it didn't turn out very well. "It is difficult to try to convert all the measures from the metric system to the English weight system," she explained. "Nothing came out right."

And, typical of teen-agers everywhere, the two girls "got the giggles" when they were photographed.



**Jeanette Hermann and Karen Cagley**



**Marty Adler, Jean-Paul Olhaberry and Howard Adler**



## Anniversaries



### Y-12

#### 35 YEARS

Samuel J. Hudgins, Utilities Administration; Glen R. Walls, General Shops; and Julia L. Butler, Plant Laboratory.

#### 30 YEARS

John F. Hood, Buildings, Grounds and Maintenance Shops; Howard S. Smith, Production Coordination; Harold Rector, Dispatching; Edwin E. Nichols, Tool Department; Thomas D. Pressly, A Wing, Machine Shop; Henry T. Greene Jr., Materials Forming; David G. Porter, Electrical and Electronics; David E. Bailey, Fire Department; and Buford W. Rea, Beta II Chemistry.

#### 25 YEARS

David H. Jansen, Edward R. Stover, Robert K. Gibbs, Charles M. Salley, Barbara W. Williams and Anna R. Shipley.

### 20 YEARS

Robert H. Nelson, Beverly O. Grubb, Elmer L. Fuller Jr., James L. Miller, Jimmy R. Milligan and Raymond E. Price.

### PADUCAH

#### 30 YEARS

Harry A. Johnson, Equipment and Systems Technology; Clarence H. Yates, Cascade Operations; W. B. Ford, Compressor Shop; Rob M. Wilson, Plant Engineering; William J. Arnzen, Cascade Operations; Betty M. Brown, Medical Department; Charles W. Edwards, Cascade Operations; James F. Goodman, Central Control; Emmitt V. Jackson Jr., Cascade Operations; James E. Kelley, Cascade Operations; James W. Thompson, Cascade Operations; Herbert E. Vied, Nitrogen Plant; Millard H. Cloyd, Electrical Department; and Tommy H. Watson, Cascade Operations.



**BACK AGAIN** — Returning for the Christmas parties set for children of Nuclear Division employees is the jolly old elf himself. The parties are set at the Oak Ridge High School Saturday, December 18.

## Bowling alley notes...

### Y-12 C...

Recent highs in the Y-12 C League included a 234 scratch game and 261 handicap game by E. T. Ely of the Big Five, and a 622 scratch series and 682 handicap series by J. Halsey of the Sunflowers.

were posted by Elaine Griffies, 190 scratch game, 524 scratch series; Clyde Montgomery, 243 handicap game; and Doris Hardin, 647 handicap series. The Ten Pinners rolled an 812 game and 2341 series.

### Carbide Family Mixed...

In the Carbide Family Mixed League, Ron Piper recently rolled a 225 scratch game and a 263 handicap game and 669 series. Jennie Saffell posted a 211 scratch game, 557 scratch series and 238 handicap game. Other highs included Ray Smith's 562 scratch series and Jane Hatfield's 664 handicap series.

### K-25 Tuesday...

The Team still leads the K-25 Tuesday League, followed by the All Stars and City Slickers. D. Pollitt holds high game scores of 243 scratch, 251 handicap; while series highs have been posted by Politt, with a 611 scratch, and by L. C. Hensley, with a 649 handicap score. Season-high team scores are held by the City Slickers, 1091 game, and the Team, 3123 series.

### Y-12 Classic...

The Has Beens captured the lead in the Y-12 Classic League, ahead of the Ridgers and Gutterbusters. The Splinters still hold team highs with an 1169 game, 3314 series. Jack Spears of the Eightballs rolled a 750 series, while the Lightning Balls' Ernie Lamb still holds a game high of 289.

### Monday Mixed...

The Go-Getters still lead the UCC Monday Mixed League, followed by the Hi Rollers and the Pacesetters. Bill Muenzer (670) and Penny Jessen (585) hold high scratch series, while Glenn Killough (656) and Brenda Williams (692) are handicap leaders. Top scratch games have been rolled by George Byrd (234) and Brenda Williams (234), and Paul Armstrong (255) and Mary Johnson (247) lead in handicap scoring.

### ORNL A...

Elwood's Chargers now lead the ORNL A League, followed closely by the Woodchoppers. Recent highs were posted by Chuck Atkins, 678 handicap series; Joe Sawicki, 280 handicap game; and Larry Hodge, 244 scratch game. Team highs are held by ORAU, with a 3122 series, and the Dynamics, with an 1106 game.

### UCC Mixed...

Recent highs were rolled by Carolyn Cook, 677 handicap series; Barbara Stacy, 245 scratch game, 268 handicap game and 594 scratch series; and David Mosley, 227 scratch game. The high game score was rolled by the Scalawags, with an 891.

### Carbide Wednesday...

The Operators now hold the lead in the Carbide Wednesday Men's League after overtaking Sues Sooners. Season team highs are held by the Operators, with a 3137 series, and the Planners, with an 1148 game. The individual scoring leader is Bull Atkins, with a 300 game, 737 series.

### ORGDP Women's...

The Mouse Chasers held on to first place in the ORGDP Women's League, trailed by the Ten Pinners and the Woodbees. Recent highs



## Bowling tourney set for February

The 1983 Carbide Mixed Bowling Tournament will be held February 5, 6, 12, 13, 19 and 20 at Tri-County Lanes in Oliver Springs. Entry deadline for the tournament, which is sanctioned by the ABC and WIBC, is January 19.

Entry forms are available at Tri-County Lanes and from league secretaries and the Nuclear Division Recreation Office.

## Save Energy / Share The Ride

### ORNL

WILL JOIN VAN OR CAR POOL from 25W area (North Clinton) to any portal. Contact Gary, plant phone 4-5614.

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 NEEDED from West Knoxville (Cedar Bluff, Middlebrook Pike, Vanosdale Road, Cloth World, Kingston Pike) to any portal except South, 8-4:30. Leon, plant phone 4-5723; home phone 693-3211.

WANT TO JOIN CAR POOL from Cedar Bluff area to North Portal, 8-4:30. Donna Watson, plant phone 4-6151.

### Y-12

JOIN CAR POOL from West Knoxville, Walker Springs, Kingston Woods, Cedar Bluff areas, to Bear Creek, Pine Ridge or West Portals, 7:30-4. Earl Tullos, plant phone 4-2178, home phone Knoxville 693-8899.

ONE OR TWO CAR POOL MEMBERS NEEDED from Fountain City area to North or Central Portal, 7:30-4. Joe Coleman, plant phone 6-5561; home phone Knoxville 689-3899.

JOIN CAR POOL from Norwood section, Knoxville, to any portal, 7:30-4. Sam Benton, plant phone 4-1893; home phone Knoxville 687-9496.

## Obtain form for change of address

Have you moved recently? Has your zip code been changed? Have you changed your name? If the answer to any of these questions is yes, you need to complete an "Address and Telephone Data" form (UCN-4488) as soon as possible, if you have not already done so.

The address change is of primary importance this time of year because of the approaching income tax season. The Nuclear Division Payroll

Department will be mailing employees their W-2 forms around the second week in January. Each year, an estimated 300 to 400 W-2 forms are returned due to incorrect addresses.

To ensure that your address is correct, examine your check stub, the *Nuclear Division News* label or other mail from the Company. Any changes should be made on form UCN-4488 by December 22.

## Safety Scoreboard

Time worked without a lost-time accident through December 2:

Y-12 Plant	142 Days	5,303,000 Employee-Hours
ORGDP	294 Days	6,775,765 Employee-Hours
ORNL	168 Days	3,697,222 Employee-Hours
Paducah	856 Days	7,054,477 Employee-Hours

# Fusion test facility celebrates arrival of Japanese magnet

Officials from Oak Ridge, DOE-Headquarters, and Japan gathered at the Large Coil Test Facility (LCTF) in ORNL's Fusion Energy Division November 29 for a ceremony recognizing two milestones in the facility's progress: the arrival from Japan of the first magnet, and the completion of the facility to the point of readiness for preliminary testing.

The magnet is one of six that will be tested over the next several years in the LCTF, constructed as part of a national DOE program to develop the powerful superconducting electromagnets that will be required in fusion power reactors to provide an intense magnetic field for containing the extremely hot hydrogen fuel. The Japanese magnet, shipped from Yokohama in mid-October, was built by Hitachi Ltd. for the Japan Atomic Energy Research Institute (JAERI). It stands 20 feet high and weighs around 45 tons.

John Clarke, head of DOE's Office of Fusion Energy, was the keynote speaker at the ceremony, which also featured remarks by Ko Yasukochi, directory scientist for JAERI; ORNL Director Herman Postma; Finis Patton, the Nuclear Division's director of engineering; and Oak Ridge City Councilman David Thomas, who read a proclamation welcoming JAERI to Oak Ridge. Paul Haubenreich, manager of the Large Coil Program for the Fusion Energy Division, was host for the event.

The other international participants in the LCTF project are Switzerland and EURATOM, the European Atomic Energy Commission, which will provide one magnet each. Three more will be coming from General Dynamics-Convair Division, Westinghouse Electric Corporation and General Electric Company.

The LCTF is located in Building 9204-1 at the Y-12 Plant site.



Following the ceremony, guests were offered Japanese and American refreshments before joining guided tours of the LCTF.

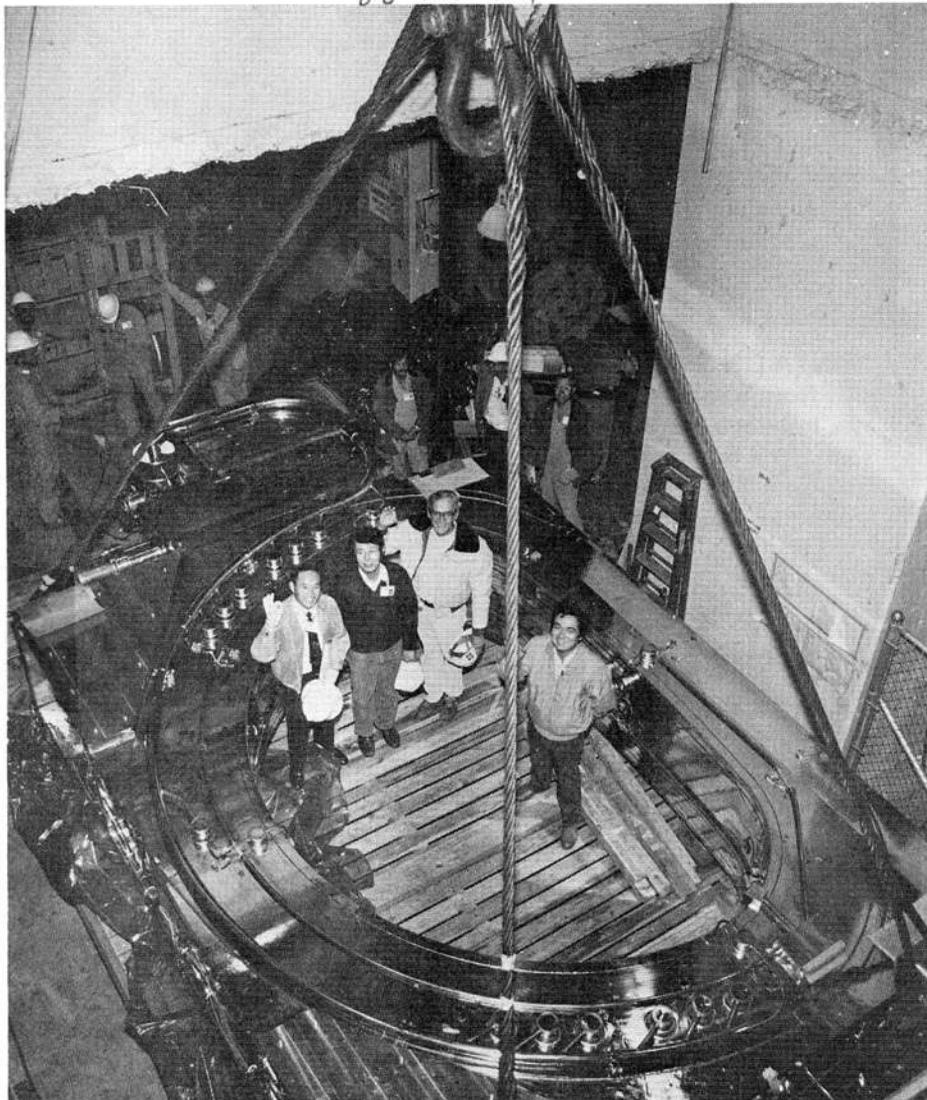


Paul Haubenreich introduces Ko Yasukochi.



Expressing a wish "for success of the Large Coil Program," Susumo Shimamoto, head of JAERI's superconducting magnet laboratory, presented Paul Haubenreich with a Japanese figurine symbolizing the birth of a healthy baby.

8892-82



Posing inside the 45-ton Japanese magnet after its arrival and uncrating are, from left, Takeshi Tanzawa and Fumio Iida, Hitachi Ltd.; Bob Bohanan, Fusion Energy Division; and Kioshi Yoshida, JAERI.



John Clarke, former director of the Fusion Energy Division who is now head of DOE's Office of Fusion Energy, stressed the importance of international collaboration in the development of fusion power.

8913-82



Hanna Shapira

## Holiday memories . . .

(continued from page 1)

Hanukkah celebrates the successful revolt of the Jews against the Syrians and the rededication of the Temple in Jerusalem. According to the ancient story, when Judah the Maccabee (leader of the revolt) entered the liberated Temple, he could find only a single cruse of oil that had not been destroyed or contaminated. Although it held only enough oil to light the menorah (a special eight branched candelabrum) for one day, a miracle took place, and it burned for eight. In commemoration, candles are lit throughout the eight-day holiday and gifts are exchanged. Another custom is to prepare and eat foods fried in oil. It was this practice that led to an unforgettable Hanukkah for **Hanna Shapira** of ORNL's Energy Division.

"During Hanukkah two years ago, we invited several friends and their children to celebrate the holiday with us," she recalled. "We prepared sufganeeyot, a food that is similar to doughnuts and fried in oil. Unfortunately, after our guests had left, a pot of oil was left burning on the stove. Two hours later, our kitchen was aflame and almost completely destroyed. I really overdid it — I burned a lot of oil and got a lot of light from the kitchen when it was on fire," Shapira said.



While other Nuclear Division employees may have had visions of sugar plums dancing in their heads, **Chuck Turok**, Paducah Industrial Hygiene, was dreaming of scuba diving and a 40-pound sea bass. To commemorate the last Christmas that the Turok family would all be able to spend together for a while, they decided to celebrate the holidays camping in Key Largo, Fla. Being in the sunny South did not prevent them from observing some of the traditions, as the family hung colored lights on their trailer and

pinned stockings on the canvas walls. With other campers, they gathered around a campfire and sang Christmas carols. "Even though it was 85 degrees that day, we still had the Christmas spirit," Turok said.



From Y-12's Receiving Department come two interesting comments. **Joe Boland** said that he gave his parents their most unusual present 28 years ago — himself. Boland was born on Christmas. His coworker, **Harland Hannah**, stated that his son was born five years ago...also on December 25.



In December 1944, **Pete Harrison** of Paducah Maintenance received a holiday gift from a group of Belgian townspeople who hid him and other American soldiers as the Germans marched through the country. Harrison recalled that it was "pretty gloomy" as he and his friends hid in an old farmhouse. After the Germans retreated, however, the real celebration began. Delayed packages and letters from home arrived, and the festivities reflected the hopes for peace as much as the holiday season. But, regardless of the circumstances, Harrison said, "When American soldiers are away from home, they don't forget about Christmas."



**John F. Bruce**, Y-12 Guard Department, reminisced about holidays during the early days of Y-12. "I didn't really like the idea of working on Christmas, but then everyone had to work. Eastman brought out a band to play carols and also provided plates filled with turkey and other goodies. It made Christmas away from our families a little more bearable. The fact that everyone was in the same boat also helped," he said.

## Corporate world

# Carbide operating profit down

Union Carbide reported a 1982 third-quarter operating profit of \$96 million, down from \$245 million for the same period last year. For the first nine months of 1982, operating profit was \$515 million, compared with \$961 million in 1981.

In a report to stockholders, the company attributed the decline in earnings to the continued recession and announced a \$350 million reduction in its \$1.5 billion construction budget for 1982 and \$600 million in cuts from preliminary construction spending plans for 1983. These reduction programs were initiated by management in the first quarter of 1982.

According to the report, capital expenditures for the 1982 nine-month period totaled \$823 million, compared with \$816 million in the same period a year ago.

For domestic operations, third-quarter operating profit was \$48 million, compared with \$187 million for the same period in 1981. Operating

profit for domestic operations during the first nine months totaled \$319 million, a decline from the \$687 million posted for the period last year.

International operations reported third-quarter operating profit of \$48 million, down from the \$58 million of the 1981 third quarter. For the nine-month period, operating profit totaled \$196 million, compared with \$274 million for the same period in 1981.

Batteries/Home & Automotive increased its third-quarter operating profit to \$58 million from \$53 million for the same period last year. For the first nine months, operating profit for this segment totaled \$151 million, up from \$139 million in 1981.

A \$19 million operating loss was reported by the Metals & Carbons industry segment for the 1982 third quarter. Canada posted an operating loss of \$11 million for the 1982 third quarter and of \$16 million for the nine-month period.



**SANTA ON VIDEO** — A videotape containing a series of short safety tips from Santa Claus is being shown in the Y-12 Cafeteria lobby during the holidays. Written by Wanda Johnson of the Y-12 Safety Department, the tape features Alford T. Wallace of the Maintenance Division as Santa. Walt Corey, director of the program, prepares Santa for the taping as Connie Dunn operates the camera.

UNION  
CARBIDE

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

BULK RATE  
U.S. Postage  
PAID  
Permit #70  
Union Carbide  
Corporation



ADDRESS CORRECTION REQUESTED