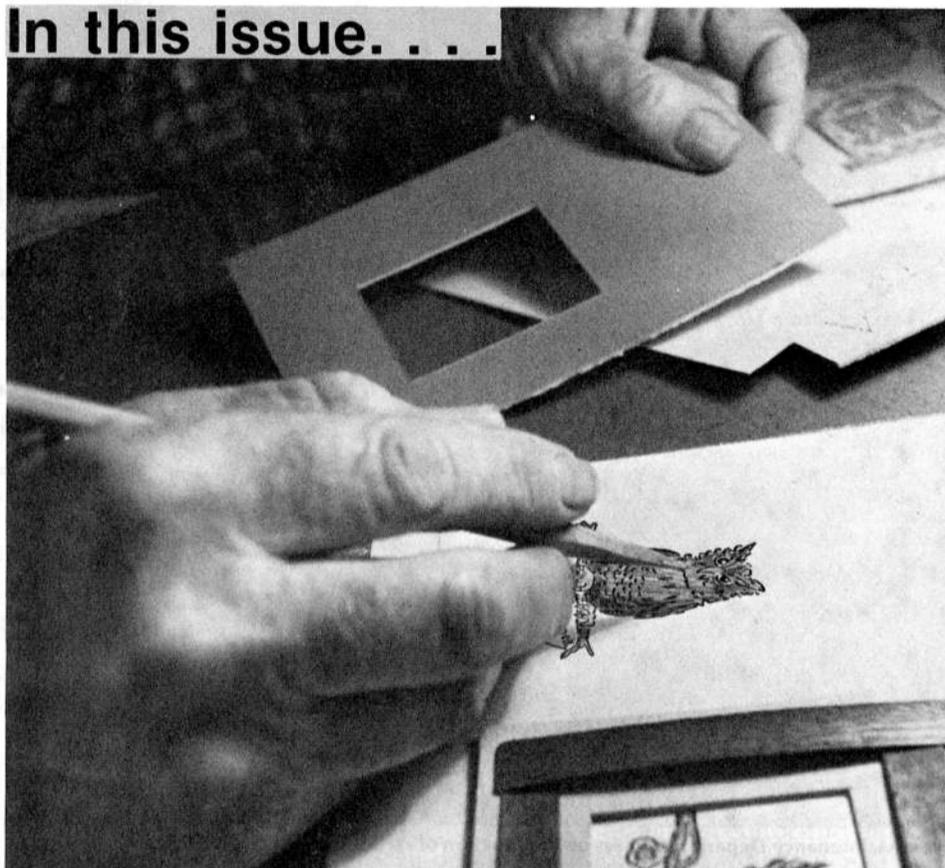




## In this issue. . .



**GETTING INTO IT**—A retired sign painter from ORNL, Alf T. Connely, has parlayed his former profession into an interesting hobby. Story is on page 7.

### Other features:

- Mud-slinging at Paducah ..... page 2
- About People ..... page 3
- Dr. Lincoln ..... page 4
- Question Box ..... page 5
- Promotions ..... page 5
- Retirement club application ..... page 8

## Photographing begins for new Nuclear Division badge system

Once every five years, DOE asks its contractors to develop new employee badging systems primarily as an insurance measure against misuse of lost badges. If five percent of the badges are lost before the five-year period ends, the contractor would be required to initiate a new system sooner.

The target date for the Nuclear Division's badge change-over is January 1, 1980. In preparation for this event, photographic and security departments at each installation will begin taking color photographs starting January 25. Two specially equipped trailers will be used in the photographing, which will take place first at ORGDP and Y-12, then at ORNL and the Paducah Plant in the spring. Robert G. Affel, head of Nuclear Division Security and Safeguards, predicts that the trailers will remain approximately two months at each plant.

Some of the features of the new system include:

- color photographs for more accurate identification
- more compact size (a little larger than a credit card) will be easy to carry in wallets or purses

- quarterly badge exchanges will be eliminated since the employee need only exchange a small health physics monitor
- in the case of lost or mutilated badges, a new one will be issued with an additional letter coded into the employee's identification number, which would make the old badge number obsolete
- new employee identification numbers will be assigned corresponding to their company service dates.

The committee designing the system is headed by Affel with Security representatives from each installation—Russell L. Dagley, Y-12; Robert E. Tharp, ORGDP; Charles V. Vickery, PGDP; and Shields W. Smith, ORNL.

## June picnic to christen new Nuclear Division retirees' club

(Editor's Note: In the December 21, 1978 issue of **Nuclear Division News**, there was a photograph of division retirees planning a retirees' association. Plans have now progressed to the stage where the pioneers wish to hear from retirees. The following summons has been prepared by Virginia Donahoe, who retired recently from ORGDP.)

The scene is set for a gala reunion at the Clark Center Recreation Park for Nuclear Division retirees, June 8. The park, named for a retiree, is the logical place for the reunion and the second week of June is certainly a fitting time of the year for the alumni to gather.

A new organization, Union Carbide Retirees Association, is being formed and policies will be set by the wishes of retired employees, their widows and widowers. The club is being formed in response to those who say they never see or hear from their former friends and co-workers and for those who feel that severing close association with fellow employees is the most difficult part of retiring.

**Among the founding members of the Union Carbide Retirees Association are Stan Ashton and Ray Hill, ORNL; Larry Studinger, Mac McIntyre, Marv Schwenn and Virginia Donahoe, ORGDP; Ken Bahler, Staff; Martin Gardner and Al Bissell, Y-12; and John Clark, Paducah.**

An organizing committee, which is looking to each retired employee for suggestions, has established the following goals:

*"To provide the opportunity for Carbide retirees to work together to develop new friendships and revive old ones; to have Carbide retirees share the responsibility for the club's formation, activities and growth; and, as a club, to sponsor reunions for all Nuclear Division retirees at least twice a year."*

The first thing needed from retirees is ideas, as soon as possible, so that activities may begin that retirees would like to participate in and help organize. With the multi-facets of talent among retired employees who helped pioneer the nuclear industry, leaders and instructors can be found to carry out any group activity desired by members. As a non-profit organization, for instance, group travel can be obtained at a significantly reduced rate. Travel plans, however, take long-range planning. If group travel is suggested, be sure to include the sites you would like included. (An application for retirees is accompanying this story.)

The founding committee has worked up the accompanying application. (Please turn to page 8.) First, it should be determined if the retiree wishes a separate group from each plant or a combination of the

three Oak Ridge plants. (Paducah will be organized as a separate entity because of its location.)

If the majority chooses a specific plant for membership, then each plant will have its own officers and decide on the activities to organize. A four-plant steering committee will continue to serve, coordinating an overall activities calendar and maintaining communication through a special column in the **Nuclear Division News**.

A membership fee of \$1 (\$2 for retiree and spouse) has been established for calendar 1979 and the fee should accompany the application. Note that separate post office box numbers are included for Oak Ridge and Paducah. Each activity will be self-financing, but there will be small charges occasionally for postage, telephone calls, etc. which keep an organization going. A retiree may join any time during the year.

An active employee may pass the application on to a widow or widower of a retiree. Retirees continue receiving the **News** as long as a current address is maintained.

Activities and further organizational moves by the association will be dictated by the wishes and suggestions of founding members.

## World Press fellows set January visit

Outstanding young journalists from 10 countries will visit Oak Ridge January 29 for briefings and a tour of facilities.

The journalists are participants in the World Press Institute. The Institute, headquartered at Macalester College, St. Paul, Minn., is a private, nonprofit organization sponsored by American corporations and foundations. Each year the Institute selects young journalists from throughout the world as Fellows.

This year's participants are from Argentina, Burma, Italy, Jamaica, Nepal, Poland, Portugal, South Africa, Uruguay and Zambia. They will be accompanied on their visit to Oak Ridge by Stuart Bullion, Institute coordinator.

According to the Institute, its main goal is to ensure that international opinion about the United States is shaped by journalists writing from a comprehensive personal background of experience in America.

The Institute seeks to achieve this by selecting outstanding journalists for an eight-month program of intensive American studies, internships and travel.

*A different drummer. . .*

# Mudslinging more than just a hobby in Paducah

**By Darlene Mazzone**

It's only done in Memphis, St. Louis and Florida—and now it's done in Paducah.

Thanks to several Paducah plant organizers, this western Kentucky city has been added to the illustrious list of locations for a growing sport known as mud runs.

J. B. Glisson, Fabrication and Maintenance Division, has been a key figure in planning and implementing the area's first activity of this kind by providing the mud for the West Kentucky Four Wheelers, Inc.'s recent "Mud Run."

Everything from high-priced four-wheel-drive vehicles to dune buggies to tri-bikes converged on Glisson's property to race on what initially began as 10 inches of mud. By the end of the day, however, 10 inches had plunged to five feet in some places of the 300-foot long tracks.

"There is a multitude of four wheel drive and tri-bike enthusiasts at the plant," Glisson said. "Probably 25 to 50 percent of the entries were Carbiders at the club's first run," he added.

Formed seven months ago, the group has several goals, according to Glisson—the most important being community service. During the coming months the members will set up a headquarters at 2968 Jackson St. to assist the McCracken Disaster Emergency Services (DES) units in the event of crippling winter weather.

"Right now we're working on a locational map of the members' homes so the DES and the police can pinpoint areas where we can be of greatest assistance," Glisson said. The group would be called on to use their four-wheel-drive vehicles to transport hospital personnel, deliver fuel or firewood, provide



**SIZING IT UP**—Steve Mosley, Paducah Process Maintenance Department, sizes up the situation of a truck that just couldn't measure up to the task.

transportation for the elderly or confined, etc.

The funds to operate this service will come from events such as the first one held on Glisson's farm which provided over \$500 to a local telethon for handicapped children. Proceeds from every event will be earmarked for community charities and worthy institutions.

Anyone interested in the West Kentucky Four Wheelers club may contact Rex Powell, president; Steve Mosley; or J. B. Glisson; Process Maintenance Dept.; or Gordon Heider, Cascade Operations Dept.



**PREPARING FOR RACE**—Paired vehicles, like this dune buggy, race one-on-one in a double elimination contest.



**BIG SPLASH**—This tri-bike entry appears to be riding the waves rather than the bike as he makes a big splash onto the track.

# about people...



Hall



Bowman



Wheeler



Olins



George



Billen

**Daniel Billen**, a professor in the University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, has been named editor-in-chief of **Radiation Research**, the official organ of the Radiation Research Society. During the three years of his term, which will begin in September, the journal's editorial office will be located in ORNL's Biology Division.

Billen has served as director of the Graduate School of Biomedical Sciences. He also has been a member of the Radiation Research Society since 1954; and has served as director of the UT Institute of Radiation Biology since 1977.

**Kimiko Bowman**, a statistician in Mathematics and Statistical Research Department at ORNL, was recently named Radford College's most outstanding alumnus for 1978. She earned her BS degree there with honors, and her MS and PhD from Virginia Tech. She joined Union Carbide in 1963, and has served as an assistant professor at the University of Tennessee. Bowman was elected a fellow of the American Association for the Advancement of Sciences in 1970 and a fellow of the American Statistical Association in 1976. Most recently, she was named an ordinary member of the International Statistical Institute.

**Jerry A. George**, superintendent of Y-12's Labor Relations Department, has been named a member of the Labor-Management Relations Steering Committee of the National Association of Counties (NACO). He has been a member of Anderson County's legislative bodies for more than 24 years. The committee will be primarily concerned with public pension regulations, collective bargaining and social security financing proposals, according to NACO. The organization serves as a national spokesman for county government and as the liaison between counties and other forms of government.

**Joseph C. Hall**, superintendent of Maintenance Engineering at ORGDP, has been named president-elect of the Society of Manufacturing Engineers. He was elected at a recent SME semi-annual meeting at Arlington, Va. Hall will become president of the 48,000 member group at the SME's annual meeting at Detroit in April.

The Fort Towson, Okla. native joined the Nuclear Division in 1960 at Y-12 and later served at ORNL before transferring to ORGDP in 1969. He has a BS degree in mechanical engineering from Oklahoma State University. He is a registered professional engineer in California and a certified manufacturing engineer.

**Donald E. Olins**, a professor at the University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, has been awarded Germany's Alexander von Humboldt Senior U.S. Science Award for research.

Beginning in September, Olins will spend 16 months at the Institute for Experimental Pathology in Heidelberg. The von Humboldt Award will cover his travel and living expenses during his stay in Germany.

**Larry E. Wheeler**, a uranium accountability representative in the Operations Division at ORGDP, has been elected president of the Knoxville chapter of the National Association of Accountants. The chapter has nearly 300 members employed in all phases of the accounting profession.

Wheeler, who has been with Union Carbide more than 12 years, has a BA degree in political science and history from Concord College. He has done graduate work at the University of Tennessee.

# Fred Hartman named recipient of Pfizer Award for enzyme work

Frederick C. Hartman, a research staff member in ORNL's Biology Division, has been named the 1979 recipient of the Pfizer Award in Enzyme Chemistry.

The award, which is sponsored annually by the Pfizer Pharmaceutical Company and administered by the American Chemical Society, cites Hartman for his contributions in the design and use of a technique called "affinity labeling" for the identification of the catalytically essential amino acids in enzymes that metabolize carbohydrates.

The award consists of \$2000 and a medal, to be presented formally at a dinner during the annual meeting of the American Chemical Society in Washington, D.C., next September. Preceding the dinner will be a half-day symposium centered on Hartman's work, at which his award address will be delivered.

Hartman, a native of Memphis, received his BS degree in chemistry from Memphis State University in 1960 and his PhD in biochemistry from the University of Tennessee Medical Units in Memphis in 1964. Before joining the ORNL staff in 1966, he completed two years of postdoctoral studies at the University of Illinois.

For the past three years, he has served as head of the molecular and cellular sciences section, which encompasses much of the Biology Division's basic research.

Essentially all life processes are dependent upon enzymes, the proteins that function to catalyze the thousands of chemical reactions that sustain living organisms. These proteins usually contain 100 to 1000 individual amino acid units; however, biochemists have learned that only a small percentage of these amino acids play a critical role in the catalytic process. Thus, the identification of these amino acids, collectively referred to as the enzyme's "active site," provides insights into how the enzyme catalyzes a particular reaction. Hartman has used affinity labeling to identify the active sites of a number of enzymes that are involved in the metabolism of carbohydrates.

The affinity labeling technique also provides a potential systematic approach to the design of new therapeutic agents, since many naturally occurring antibiotics and

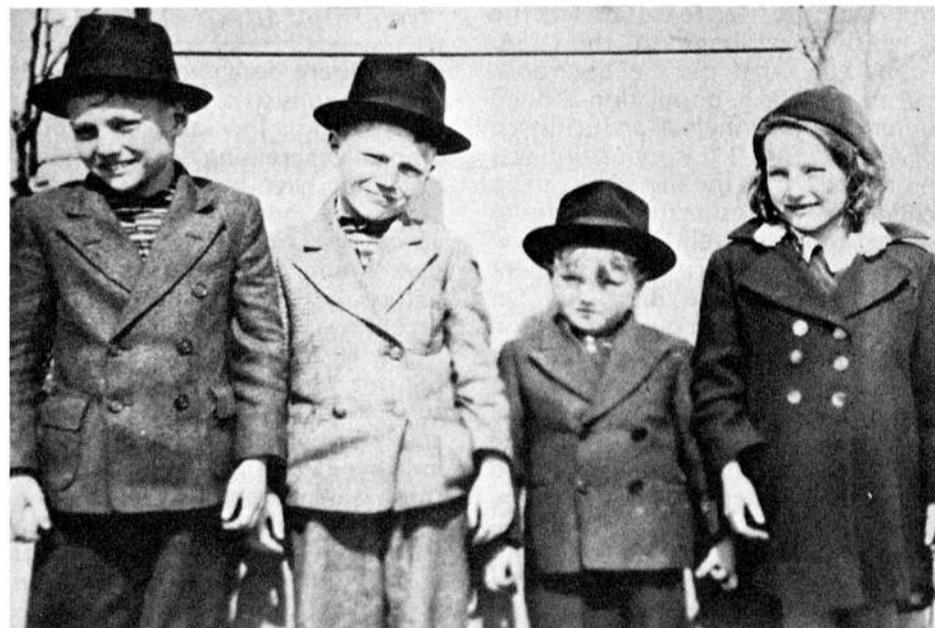


Frederick C. Hartman

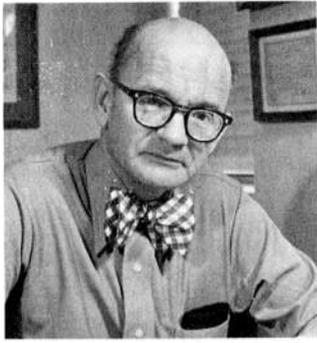
synthetic drugs act by the selective inactivation of a key enzyme.

Hartman, who is also a part-time professor in the University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, is a member of the American Society of Biological Chemists, the American Chemical Society and the New York Academy of Sciences. He is married to the former Patricia (Tish) Ballard. They live at 123 Nebraska Avenue, Oak Ridge, with their daughters, Suzanne and Sheila.

The Pfizer Award was established in 1945 by Paul-Lewis Laboratories, Inc., (now a part of the Pfizer Company) to stimulate fundamental research in enzyme chemistry in the U.S. It is given each year to a researcher not more than 40 years old who is engaged in non-commercial work and has accomplished outstanding work in enzyme chemistry. Other recent recipients of the award include Nobel Laureate Howard Temin, and Frederic Richards, Samuel Weiss, P. Roy Vagelos and Robert Schimke of the National Academy of Sciences.



**A CARBIDE FAMILY**—Four Division employees were surprised by their mother during the Christmas holidays when she gave them this photograph taken in Springfield, Ohio. From left are Harold, Jim, and Jack Cornett and Peggy C. Kitchen. Harold is at ORGDP, Jim and Jack at Y-12, and Peggy at ORNL.



Meniere's disease  
**Inner ear problems cause dizzy spells**

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.)

QUESTION: "I've noticed that a fair number of people have inner ear trouble with dizzy spells. What causes it, and what can be done about it?"

ANSWER: The most common type of inner ear disease which causes dizziness is called labyrinthitis or Meniere's disease, which is a collection of symptoms and signs since the cause is unknown. It is the result of a greatly increased pressure in the lymph fluid in the semicircular canal of the inner ear. The disease causes the lining of this membranous chamber called the labyrinth to become swollen and inflamed.

Dizziness, deafness, ringing in the ear and frequently nausea and vomiting are typical symptoms. Mild attacks, mainly with dizziness alone, are common and frequently last only a few days. The full blown syndrome described above is uncommon but certainly not rare.

*'...approximately 10,000 new cases reported each year.'*

Dr. Jan Stahle of the Department of Otolaryngology at the University Hospital in Uppsala, Sweden, conducted a study of the incidence of classical Meniere's disease. Sweden has an unusually homogenous population, has excellent medical care with a high percentage of cases being treated by specialists, and diagnostic data is stored for computer processing. Since such data collection is not possible in the United States, Dr. Kaufman Arenberg, Dr. Stahle's assistant who is now at the University of Wisconsin, tried to extrapolate the Swedish experience to the USA. Admittedly, that can be hazardous because the U.S. population is quite different. Nevertheless, an incidence of one case per 2,163 population was estimated. Since the disease is rare in children, they estimated that there were approximately 100,000 new cases each year. In a recent conference in Lake Bluff, Ill., Dr. Stahle estimated that over two million people in the USA are either current victims or have residual effects from previous attacks of Meniere's disease.

Why there is an inflammation of the lining of the inner ear and rapid buildup of fluid pressure is unknown. By exquisite X-ray studies of the temporal bone using the CAT scanner, called by the imposing title hypocyloidal polytomography (try that on your friends!), about 50 percent of patients have abnormally small aqueducts. This fine canal connects the lymph fluid in the

semicircular canal with the spinal fluid space surrounding the brain. It is through this tiny canal that an equivalent amount of new fluid which is formed each day is drained off and a normal pressure maintained. Apparently when too much fluid is formed, it cannot escape fast enough, and pressure builds up.

*'...may develop recurrent dizziness and permanent hearing loss!'*

This high pressure damages the delicate balance and hearing mechanisms and causes dizziness, nausea, hearing loss and ringing in the ears. When the pressure remains elevated too long, permanent damage can occur. Animal studies suggest that permanent damage to the delicate tissues occurs as early as six weeks after the onset of the fluid buildup. Many patients recover spontaneously; others may develop recurrent dizziness and permanent hearing loss!

As one might guess, this has led to a number of surgical procedures to reduce the pressure. The results have been mixed. Dr. Andrew Morrison of London drills a hole in the mastoid, then punctures the lymph sac and connects the two with a tiny nylon tube. He prevents the tube from plugging up by using a special sponge which surrounds the end of the tube in the mastoid bone.

*'Majority recover regardless of medical treatment used.'*

Treatment designed to reduce the pressure consists of diuretics, glycerol or urea and a low salt diet. Multiple gradually increasing doses of injected histamine have been tried. Whether any of the medical treatments really accomplish anything or just keep the doctor and the patient busy while nature heals is uncertain. In one recent review, the author stated that about 60 to 80 percent of patients recover regardless of what medical or surgical treatment is used. Twenty to thirty percent are considered improved, and in 10 to 20 percent there is complete failure.

Meniere's disease is still largely an unknown. Better diagnostic techniques are being developed, and a specific medical or surgical treatment eventually may be found, but it is not available yet. Treatment is largely symptomatic but sometimes appears to help.

**Enjoying the leisure life. . .**



**Hassel W. Chapman**  
 Paducah  
 Fabrication Shops  
 25 years service



**Vernon C. Douglas**  
 Paducah  
 Cascade Operations  
 26 years service



**Jessie M. Knott**  
 Paducah  
 Fabrication Shops  
 27 years service



**Earl L. Gideon**  
 ORNL, Plant and  
 Equipment  
 11 years service

0232-79



**Ray F. Strittmatter**  
 Paducah  
 Switchyards & Distribution  
 26 years service



**Bonnard F. Slack**  
 Paducah  
 Compressor Shop  
 27 years service



**Cecil H. Tilford**  
 Paducah  
 Compressor Shop  
 27 years service



**Bernard M. Taylor**  
 ORGDP Maintenance  
 32 years service



**William H. Merriweather**  
 Paducah  
 Refrigeration, Mechanical  
 Shop  
 25 years service



**H. Fritz McDuffie**  
 ORNL, Chemistry  
 28 years service



**Tarzan K. Hawkins**  
 ORGDP, Maintenance  
 26 years service



**Thomas L. Hart**  
 Beta 2 Chemistry  
 Y-12  
 34 years service

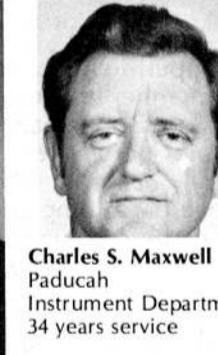
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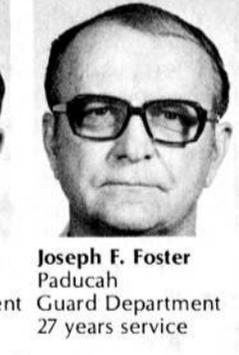
**J. R. Rutter**  
 Capacity Expansion  
 ORGDP  
 27 years service



**Thomas G. Harmon**  
 ORNL, Analytical  
 Chemistry  
 32 years service



**Charles S. Maxwell**  
 Paducah  
 Instrument Department  
 34 years service



**Joseph F. Foster**  
 Paducah  
 Guard Department  
 27 years service

Also:

**Charles C. Robinson**  
 ORNL, Solid State  
 22 years service

**Robert B. Whitaker**  
 ORNL, Operations  
 24 years service



**Frank Fuis Jr.**

Busy is the word for Frank Fuis Jr., who retired in 1977 from Y-12. After more than 30 years at Union Carbide, Fuis has published a book, "Too Wet to Plow," a collection of Americana in verse and philosophy.

Other activities find him engrossed in church work, the Lions Club of East Tennessee, the American Association of Retired Persons, talk shows on radio and television, and speeches to organizations and social gatherings.

The Norris resident says if you want to open a lot of new doors, meet a variety of interesting people, and be busier than you've ever been, write a book!

## 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.

### Educational assistance

**QUESTION:** I understand that educational assistance payments are not going to be taxable in the future. Is this so?

**ANSWER:** The 1978 Tax Reduction Act contains a provision that beginning in 1979 educational assistance payments by an employer will not be includable in the employee's taxable income. This means that reimbursements under the Union Carbide Educational Refund Policy will not be considered taxable income to the employee. This provision is temporary and is scheduled to expire after 1983 unless extended by Congress.

### Walking distances

**QUESTION:** Some people at ORGDP have to walk considerable distances (up to one-half mile in some cases) to punch an assigned time-clock. What is the Nuclear Division's policy on assigning an hourly employee to a specific time-clock location?

**ANSWER:** We try to use the time block nearest the employee's changehouse and in the general direction of the nearest portal.

Some necessary administrative considerations require that some employees be grouped at one clock location by department or functional work group. Some of these include the necessity to maintain efficient timekeeping activities, control of work clothing distribution, and control over the changehouse lockers.

We believe you are mistaken in your estimate of the walking distances required to clock at ORGDP. Our check shows that the longest distance any employee must walk from their work location to their assigned time clock is more like 300 to 400 yards.

### Company store hours

**QUESTION:** Y-12's Company Store is consistently late opening. Is there any reason it cannot open when it's supposed to?

**ANSWER:** The Y-12 Company Store does not consistently open late. On a few occasions during periods of heavy sales and receipts, checking in material and restocking has delayed opening for a few minutes. A concerted effort will be made to open on time in the future.

### Public criticism

**QUESTION:** Recently I went into a change house at K-303-2 in ORGDP. A supervisor was really on two of his men. Is it Company policy for a supervisor to downgrade employees in front of others?

**ANSWER:** It is difficult to answer the question because all the facts are not apparent. Generally speaking, it is better supervisory practice to handle criticism on a one-to-one basis. However, there are certain situations where "public" display does have merit, i.e., employees in the changehouse before the authorized time.

### Hootenanny costs

**QUESTION:** The recent Hootenanny for ORGDP seemed very expensive. I would like to know how much it cost, how much was taken in and if a profit was made. It seemed to me that we had to pay for everything this year, while last year, general admission took care of everything.

**ANSWER:** When the Hootenanny is planned each year an attempt is made to have the total revenues adequate to cover the cost of materials and food. Revenues from the 1978 Hootenanny were \$300 less than that amount. Services of the Recreation Department, related accounting and purchasing, and committee labor are not charged; only food, related cooking and service materials, prizes, etc. The program is underwritten by the Recreation Department, where a limited budget allocation has absorbed a Hootenanny deficit for each of the past several years.

### Division deaths...



Miss McNew

Mr. Rosson

**Helen J. McNew**, Y-12 Electrical Engineering, died January 6 at the LaFollette Hospital. A native of that city, she attended Lincoln Memorial University before coming to Y-12 in 1943. She lived at 140 Vandalia Road, Oak Ridge.

She is survived by a sister, Myrtle. Funeral services were held at Walter's Chapel, with interment at Woodlawn Cemetery, LaFollette. The family has requested that memorials be sent to the East LaFollette Baptist Church.

**Aaron Rosson**, a component assembler in the Separations Systems at ORGDP, died in Oak Ridge January 17. He joined Union Carbide in 1969.

Survivors include his wife, Shirley Rosson, 2212 Deerwood Drive, Knoxville; daughters, Barbara Moore, Betty Whitley, Bonnie and Bobbie Rosson; a son, Steve; and two grandchildren.

Memorial services were held at the Glen Oak Baptist Church with interment in the Piney Grove Cemetery.

## ORNL promotions announced



Arwood



Felder



Keeble

Three promotions have been announced at ORNL. In the Plant and Equipment Division, Delbert R. Arwood has been promoted to shops supervisor in the Fabrication Department, and Alvincent Felder has been appointed a maintenance supervisor in the Building and Utilities Services Department. Pat C. Keeble has been named administrative coordinator of the Nuclear Standards Office in the Engineering Technology Division.

Arwood, a 21-year veteran at Union Carbide, has worked as a pipefitter at Y-12 and ORNL, and most recently has been a planner-estimator at the Laboratory. He served two years in the Merchant Marines and worked for the Automatic Sprinkler Corporation in Youngstown, Ohio. He also has taken correspondence courses in construction supervision through Pennsylvania State University.

A native of Roane County, Arwood and his wife, Juanita, live on Route 4, Harriman. They have two children, Deborah and Philip.

Felder worked in the Maintenance Divisions at Y-12 and ORGDP before joining the P&E Division. Before coming to the Nuclear Division, he worked at Alcoa and served two years in the U.S. Navy. He is a senior at the University of Tennessee, majoring in industrial trades and education.

Felder and his wife, Joyce, and son, Jerome, live at 1438 Patricia Circle, Knoxville.

Keeble, a Carbider since 1956, has worked as an administrative aide in the Support Engineering and Engineering Technology Divisions. She attended Knoxville Business College and is a member of the Working Group on Standards established by DOE's Division of Nuclear Power Development.

She and her husband, Marvin, an employee at Y-12, live in Lenoir City. They have a son, Tim.

### Gable promoted in Maintenance



Gable

Carl Gable Jr. has been promoted to supervisor in the Maintenance Division at ORGDP.

The Knoxville native, who attended Austin High School, joined the Nuclear Division 12 years ago at ORGDP. He and his wife, Carololane, live at Route 2, Strawberry Plains. They have two children, Carl III and Elicia.

## Special events mark Engineers' Week

The Tennessee Society of Professional Engineers (TSPE), Oak Ridge Chapter, is sponsoring Engineers' Week activities in Oak Ridge along with other local technical societies and the Oak Ridge Associated Universities' American Museum of Science and Energy.

Four major categories of activities include a series of articles by Oak Ridge engineers which will appear in the **Oak Ridger** each day of Engineers' Week, displays, career guidance counseling and the Third Annual Great Oak Ridge Paper Airplane Contest will be held at the Museum on February 17. The displays will continue through February 24.

TSPE has added two powered-airplane categories to emphasize the engineering challenges associated with flight. For this competition, airplanes can use any type of noncombustible power. Entries should not exceed a wingspan of 24

inches, should be original in design, should be launched by bodily means and should have an airframe consisting of 95 percent paper. Prototypes will be on display in the Museum lobby beginning the last week of January.

The contest at the museum on February 17 begins at 1 p.m. and the career guidance counseling begins at 2 p.m.

### patents granted

To Alicia L. Compere and William L. Griffith, both of ORNL, for "Biomass Growth Restriction in a Packed Bed Reactor."

To John W. Cleland, Russell D. Westbrook, Richard F. Wood and Rosa T. Young, all of ORNL, for "Polycrystalline Silicon Semiconducting Material by Nuclear Transmutation Doping."

# recreationotes . . .

## Fishing Rodeo winners told

The Recreation Department has announced winners in the fishing rodeos in the three Oak Ridge plants. The competition ran from July 1 through December 31.

### ORGDP

Room C-136, Building K-1001, is the site of awards for ORGDP winners.

#### LARGEMOUTH BASS

Ralph Stevens 5 lbs. 12 ozs.  
John D. Hart 5 lbs. 8 ozs.  
R. G. Hyde 4 lbs. 15 ozs.

#### SMALLMOUTH BASS

J. L. Ailey 4 lbs. 8 ozs.  
W. B. Chambley Jr. 4 lbs. 0 ozs.  
W. E. McShee 3 lbs. 8 ozs.

#### STRIPE BASS

J. D. McClendon 2 lbs. 9 ozs.  
R. E. Collins 2 lbs. 6 ozs.  
R. M. Sheets 1 lb. 14 ozs.

#### WALLEYE

Amos R. Walters 4 lbs. 5 ozs.  
W. E. Brown 3 lbs. 11 ozs.

#### SAUGER

H. E. Walters 4 lbs. 3 ozs.  
Robert E. Hyland 2 lbs. 12 ozs.  
Frank Hayes 1 lb. 9 ozs.

#### CRAPPIE

C. H. McIntyre 2 lbs. 2 ozs.  
C. W. Castle 1 lb. 8 ozs.  
D. J. Tevault 1 lb. 0 ozs.

#### BREAM (Bluegill)

Huey Sides 0 lbs. 10 ozs.  
Ben A. Austin 0 lbs. 8 ozs.  
R. M. Walton 0 lbs. 5 1/2 ozs.

#### MUSKIE

James W. Fox 22 lbs. 8 ozs.

#### ROCK FISH

James B. Clouse 21 lbs. 4 ozs.  
Larry Woods 18 lbs. 10 ozs.

#### ROUGH FISH

P. D. Brooks 54 lbs. 0 ozs.  
Joe H. Fletcher 33 lbs. 0 ozs.  
E. H. Jaynes 14 lbs. 8 ozs.

### Y-12

Winners in Y-12's contest may pick up their awards at the Recreation Office, Building 9711-5.

#### LARGEMOUTH BASS

C. E. Stalworth 8 lbs. 10 ozs.

#### SMALLMOUTH BASS

J. B. Wade 5 lbs. 9 ozs.  
E. M. McCullough 5 lbs. 8 ozs.  
Clay Smith 5 lbs. 2 ozs.

#### STRIPE BASS

R. E. Belcher 1 lb. 14 ozs.

#### WALLEYE

G. H. Caylor 3 lbs. 12 ozs.

#### SAUGER

R. S. Phillippi 2 lbs. 12 ozs.

#### CRAPPIE

A. L. Everett 2 lbs. 4 ozs.  
L. E. Pate 2 lbs. 2 ozs.

#### BREAM (Bluegill)

David H. Mosley 1 lb. 1 1/2 ozs.

#### TROUT

Joe Jackson 0 lbs. 12 ozs.

#### ROCK FISH

George T. Riggs 39 lbs. 0 ozs.  
M. A. Estep 28 lbs. 8 ozs.

#### ROUGH FISH

J. W. Graves 28 lbs. 8 ozs.  
Hoyt A. Eason 28 lbs. 0 ozs.  
J. L. Harvest Jr. 14 lbs. 3 1/2 ozs.

### ORNL

Winners at ORNL may pick up their awards in Room J-108, 4500N.

#### LARGEMOUTH BASS

William J. Martin 6 lbs. 11 ozs.  
Clarence E. Mee 6 lbs. 9 ozs.  
Charles A. Stanley 5 lbs. 9 ozs.

#### SMALLMOUTH BASS

Rick Brooksbank 4 lbs. 2 ozs.  
W. T. Wolfe 3 lbs. 11 ozs.

#### STRIPE BASS

L. E. Lebo 2 lbs. 6 ozs.

#### WALLEYE

A. D. Ryon 1 lb. 13 ozs.

#### SAUGER

Norman G. Allman 3 lb. 13 ozs.  
F. S. Adams 3 lbs. 8 ozs.  
Boyd Wright 2 lbs. 15 ozs.

#### CRAPPIE

Sherrill O. Smith 1 lb. 12 ozs.  
Robert R. Spenser 1 lb. 7 ozs.  
H. N. Benninghoff 1 lb. 6 ozs.

#### BREAM (Bluegill)

Thomas E. Shannon 0 lbs. 15 ozs.  
James E. Attrill 0 lbs. 9 ozs.

#### TROUT

Wade McIntosh 2 lbs. 4 ozs.  
David G. Cottrell 2 lbs. 0 ozs.

#### ROCK FISH

W. J. Lackey 22 lbs. 4 ozs.  
Ken Guymon 12 lbs. 12 ozs.  
R. T. Santaro 12 lbs. 0 ozs.

#### ROUGH FISH

R. I. VanHook 11 lbs. 15 ozs.



FRONT PAGERS—Ben Hecht and Charles MacArthur's newspaper comedy, 'The Front Page,' is the Oak Ridge Playhouse's current production. It will be seen January 26, 27; February 2, 3, 9 and 10 at 8:20 p.m. In starring roles are, from left, Ernest Earley, Reeva (Mrs. Marvin) Abraham and Charles Crume.

### wanted . . .

#### Y-12 PLANT

RIDE or RIDERS from Powell area, to East or North Portal, 8 - 4:30 shift. J. L. Rooks, extension 4-0230, home phone Powell 947-8729.

VAN POOL RIDERS from West Knoxville-West Town area to any portal, 8-4:30. C. W. Greene, plant phone 4-0437, home phone 690-3762.

JOIN CARPOOL from Walker Springs, Cedar Bluff area of Knoxville to Pine Ridge Portal, straight day. Geneva Nelson, plant phone 4-3320, home phone, Knoxville, 588-6752.

#### ORNL

RIDE from Wellington West Estates, West Knoxville, to West Portal, straight days. Robbie Roberts, extension 4-4154, home phone Knoxville 690-9842.

RIDE from Campbell Station Exit, I-40 at Concord, to East Portal, 8:15-4:45. Sue Alley, plant phone 4-4894, home phone 966-3115.

RIDE OR CAR POOL from Plumb Creek Subdivision, Lovell Road, to East Portal, 8-4:30 or 8:15-4:45. Linda Jeffers, plant phone 4-6961, home phone (Knoxville) 691-0299.

JOIN CAR POOL from Eblen Estates in Kingston to East Portal, either shift.

Lucille Kuykendall, plant phone 4-6055, home phone 376-3600.

RIDE or JOIN CAR POOL from Ebenezer Road, Knoxville, to West Portal, straight days. Jenny Forte, plant phone 4-7332, home phone 690-8257.

RIDE or JOIN CAR POOL from Inskip area, Knoxville, 8-4:30. Susan Hall, plant phone 4-7427, home phone 687-8061.

### ORGDP

RIDE or JOIN CAR POOL from Papermill Road, Knoxville, to Portal 2, 7:45-4:15. Jeanine Weiner, plant phone 4-9221.

### Energy tips . . .

#### LIGHTS OFF IN MORNING!

One ORGDP employee has the perfect solution for making sure his headlights are off these dark mornings. He pins his badge on the switch on the dashboard, and says when he removes it at the portal, it's a good reminder to him to turn the lights off at the same time!

Editor's Note—Don't be selfish with your energy tips! Call the Nuclear Division News Office, and tell us your stories or hints on energy conservation.



CARPOOLERS AND ALUMS—Pictured from left to right are ORNL carpool members and alumni enjoying breakfast at a local restaurant: Ben Smith (now at ORGDP), Morris Osborne, Dante Costanzo, Dick Raridon, Charles Williams, Gino Zanolli (now at Y-12), David Allen (now at ORGDP), Jim Howe, Rich Richardson (an alum still at ORNL) and his wife, Alice.

### Compatible, both in and out of car pool

A six-person car pool, which has been in existence since 1966, not only enjoys riding together, but also gets together for social occasions. At the drop of a suggestion, the group will organize a potluck supper or pre-work breakfast, including both "alumni" members and current ones.

Other occasions for getting together include bon voyages, homecomings, new babies (such as alumna Anita Barker's), holidays and family events.

Alice Richardson, ORNL Graphic Arts, recommends carpooling as an economical and enjoyable way of riding to work.

# anniversaries ...

## Y-12 PLANT

35 YEARS

W. Spence Wallace, Beta 2 Chemistry; John L. Young Jr., Process Maintenance; Thomas J. Stephens, Stores Department; Claude R. Wall, Fire Department; and Mary H. Jenkins, Casting Department.

30 YEARS

Clara S. Johnson, Materials Forming Department.

25 YEARS

Leo J. Taylor, William M. Boucher, William M. Turner, Willis S. Hansford and Dave S. Tipton Jr.

## PADUCAH

25 YEARS

Chester M. Hall Jr. and Eurie W. Smith Jr.

## ORGDP

35 YEARS

Effie King, Technical Services; Robert Levin, Technical Services; James Murray, Maintenance; Robert Newton, Operations; Arthur Phillips, Finance, Materials and Services; and Rodney Shaffer, Engineering.

30 YEARS

William Caldwell, Technical Services.

25 YEARS

William Buckner, Ulys Houston, Edwin Kidd, Bobby Roe, Clyde Williams and David Willis.

20 YEARS

Lloyd Stokes and Mitchell Vickers.

## ORNL

35 YEARS

James E. Keeton, Chemical Technology; and Forrest N. Case, Operations.

25 YEARS

Kenneth S. Belitz, Charles E. Smith, Ralph E. Dial, Lola M. Kyte, Lawrence Landau, Robert L. Brown, Cleois Cross, John A. Conlin Jr. and Hobart B. Thomas.

20 YEARS

Fred C. Haun Jr., Winston N. Baird, Frank A. Hamley Jr., Allen L. Lytle, Erma S. Howe, Joe D. Culver and Julian L. Dunlap.

## patents granted. . .

To Charles E. Knight Jr. and Roy E. Pollard, both of the Y-12 Plant, and James J. Kelly, ORGDP, for "Inertial Energy Storage Device."

To Leonard A. Abbatiello, ORNL, and Richard E. Neal, Y-12 Plant, for "Automatic Targeting of Plasma Spray Gun."

To Robert R. Bursleson, Y-12 Plant, for "Interferometric Correction System for an NC Machine."

To Robert S. Eby and Michael J. Stephenson, both of ORGDP, for "Gas Absorption Process."



## Retired ORNL sign painter continues craft at home

As told by Alf T. Connelly

Pictured above are a few examples of old epitaphs that retiree Alf T. Connelly collects in his "leisure" time.

He reproduces the verses on miniature headstones. "I make them for a laugh," he said. "People seem to get a kick out of them."

Connelly has about 30 different verses and is always looking for new ones. "Most of the ones I have come from other people. They read what I've done and remember others they've seen or heard."

Besides the tombstones, Connelly makes models of the old Burma Shave signs that were along the highways before the days of interstate traffic.

SLEEP IN CHAIR

NOTHING TO LOOSE

BUT A NAP

AT THE WHEEL

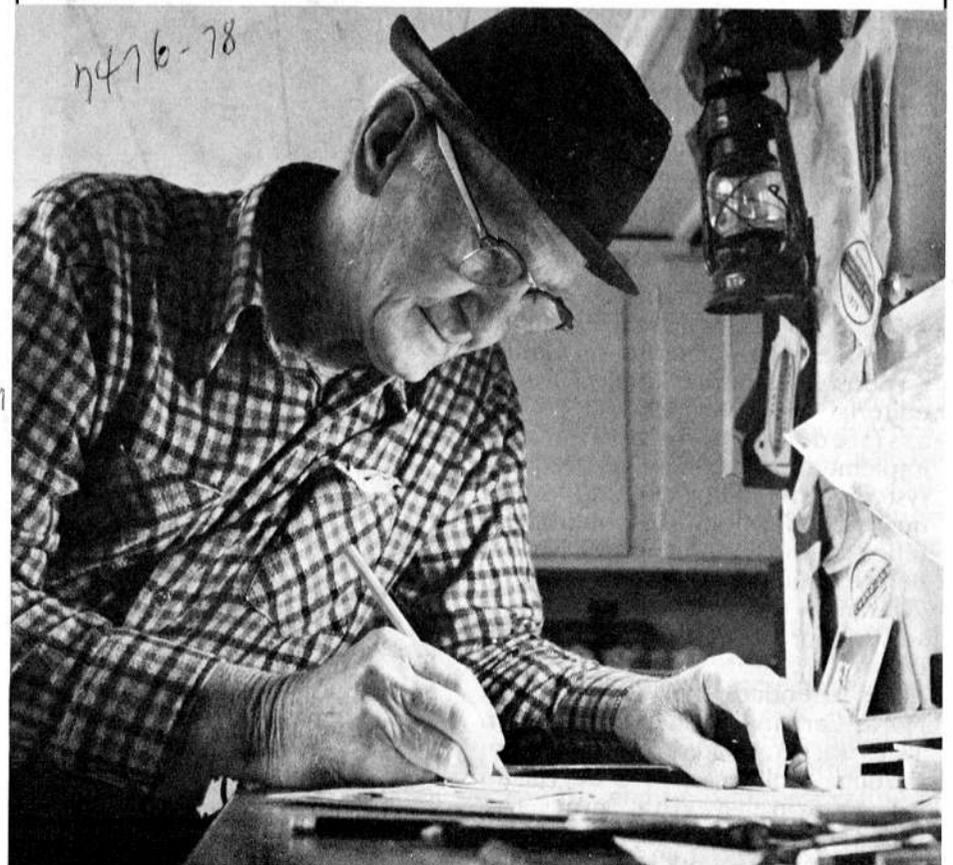
IS A PERMANENT SNOOZE

—Burma Shave

He also silk-screens plaques and patches, draws and frames caricatures of animals and cartoons and designed the emblem used by the Oak Ridge Senior Citizens Center.

Before retiring from ORNL's Plant and Equipment Division in 1976, Connelly was a familiar face to many—he hand-painted the staff names on the Laboratory's office doors.

His tip to retirees is to stay busy. "Why, I'd go plum crazy if I had to sit around all day," he said.



## NUCLEAR DIVISION NEWS

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### PADUCAH

Darlene Mazzone, Bell 208



Member,  
INTERNATIONAL  
ASSOCIATION  
OF BUSINESS  
COMMUNICATORS

## Enjoying the leisure life. . .



Julius P. Culp  
Separation Systems  
ORGDP  
33 years service



Charles E. Whaley  
ORGDP, Operations  
34 years service



Stanley G. Matthews  
ORGDP, Maintenance  
32 years service



Vincent C. Rogers  
ORNL, Finance and  
Materials  
27 years service



Mary N. Stooksbury  
ORNL, Operations  
35 years service



Lyman A. Robinson  
ORNL, Plant and  
Equipment  
28 years service



Charles R. Grubb  
ORNL, Plant and  
Equipment  
28 years service



Raymond L. Burnett  
ORNL, Plant and  
Equipment  
30 years service

# UNION CARBIDE RETIREES ASSOCIATION

## Membership Application

Name \_\_\_\_\_  
 Spouse \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Telephone—Area Code \_\_\_\_\_/Number \_\_\_\_\_

(Please note if applicant is widow or widower. Fill in "Spouse" line with deceased employee's name, year of retirement and plant from which retired.)

Check preference for membership in one of the following:  
 ORGDP \_\_\_\_\_ ORNL \_\_\_\_\_ Y-12 \_\_\_\_\_  
 Combined Oak Ridge Plants \_\_\_\_\_ Paducah \_\_\_\_\_

Indicate participation preference:

Golf \_\_\_\_\_ Bowling \_\_\_\_\_ Swimming \_\_\_\_\_  
 Tennis \_\_\_\_\_ Fishing \_\_\_\_\_ Dancing \_\_\_\_\_  
 Camping \_\_\_\_\_ Hiking \_\_\_\_\_ Picnics \_\_\_\_\_  
 Travel \_\_\_\_\_ Painting \_\_\_\_\_ Bridge \_\_\_\_\_

Place of travel \_\_\_\_\_  
 Others \_\_\_\_\_

Fee \$1 per person (Make check payable to:  
**Union Carbide Retirees Association**)

Mail to:  
**P.O. Box 3501**  
**Oak Ridge, Tennessee 37830**  
 or  
**P.O. Box 238**  
**Paducah, Kentucky 42001**



## Heads Technical Publications

Craig Whitmire Jr.'s appointment as head of the Technical Publications Department at ORNL has been announced by G. Daniel Robbins, director of the Information Division.

In addition to the central publications group—which provides technical writing and editing, makeup, word processing, composition, proofreading, **Lab News** and the technical calendar—Whitmire is responsible for the operation of 11 division publications offices.

A Union Carbide employee since 1958, he worked as a technical editor for five years before assuming responsibility for the Biology Division editorial office in 1963. He then assisted in developing and implementing a new procedures system in the Y-12 Plant, and in 1975 he began developing a publications office for the Fusion Energy Division. Before assuming his present position, Whitmire was publication offices supervisor for the Information Division.

He attended the University of North Carolina at Chapel Hill and in 1956 was graduated from Western Carolina College with a degree in education, having met the requirements for an AB in chemistry. He did graduate work in education at

01 71-79



**Whitmire**

Western Carolina College's evening school, while working as a chemist for the Dayton Rubber Company in Waynesville. Whitmire is a senior member and treasurer for the East Tennessee Chapter of the Society for Technical Communications and a member of the Council of Biology Editors and the Health Physics Society.

He and his wife, Pat, live in Crestwood subdivision, Kingston. They have a daughter, Anne Scott.

**Next issue. . .**

The next issue will be dated **February 8. The deadline is January 31.**

## Do YOU have "RHYTHM"?



**Remember  
 How  
 You  
 Treat  
 Hazardous  
 Materials**

## Hazardous material handling special week at ORGDP

ORGDP employees are gearing up for the week of February 5, which has been designated as Hazardous Materials Awareness Week. A new hazardous materials management procedure is being implemented which is aimed at improving the management of hazardous materials.

The theme for the week is RHYTHM, which stands for "Remember How You Treat Hazardous Materials." Tom Perry, who has been named to the position of hazardous materials coordinator, says the new procedure reflects careful thought and review of

management problems inherent with the widespread but necessary use of hazardous materials at the plant.

Perry says the new procedure provides a framework to improve the safe and effective control of hazardous materials from procurement to disposal.

Plans for the kickoff week include the showing of a special videotape program which describes the new procedure, the posting of information bulletins and the use of posters reminding employees at ORGDP of the importance of the new procedure.



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