

NUCLEAR DIVISION NEWS

A Newspaper for the Employees of the Nuclear Division, Union Carbide Corporation

Volume 14/Number 5/6 March 24, 1983



During presolicitation conference

Organization representatives visit facilities

More than 170 persons, representing about 65 organizations, attended a DOE "presolicitation conference" for those interested in succeeding Union Carbide as contractor for the Nuclear Division facilities.

The conference, held March 22-23 at the American Museum of Science and Energy, included an unclassified tour and briefings by various members of the Nuclear Division and DOE staff.

Conference presentations

Among those making presentations were: Peter D. Dayton, chairman of the DOE Source Evaluation Board; James H. Hill, deputy manager, Oak Ridge Operations; George R. Jasny and Clyde C. Hopkins, Nuclear Division vice presidents; Gordon G. Fee, Y-12 Plant manager; Herman Postma, director, Oak Ridge National Laboratory; James K. Denton, manager of Finance; F. S. Patton, director of Engineering; and Harvey P. Carter, director of the Computer Sciences Division.

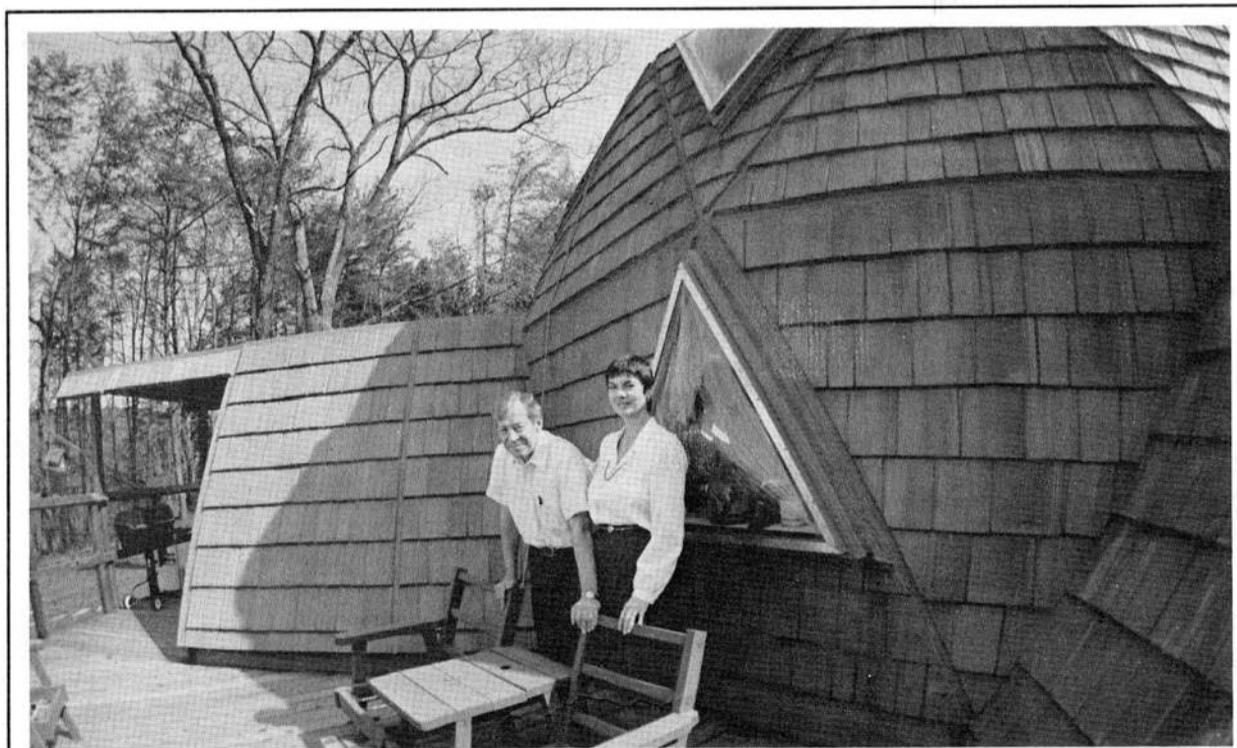
The program for the second day included presentations by DOE officials on the pro-

posed contract, fee and personnel policies. In addition, participants had the opportunity to ask questions of the Carbide and DOE speakers.

Among those who have indicated to DOE that they plan to submit proposals to operate the facilities are:

- Gerald E. Lamale, Cookeville.
- ARVIN/CALSPAN, Buffalo.
- Research Dynamics, Incorporated, Cincinnati.
- Roy F. Weston, Inc., West Chester, Pa.
- Computer Sciences Corporation, Falls Church, Va.
- Evaluation Research Corporation, Oak Ridge.
- MICRO SYSTEMS, INC., Omaha.
- Applied Management Sciences, Inc., Silver Spring, Md.
- Westinghouse Electric Corporation Advanced Reactors Division, Madison, Pa.
- Mason & Hanger-Silas Mason, Co., Inc., Lexington, Ky.
- TAMP International, Inc., Schaumburg, Ill.
- Systems Engineering Associates Corporation, Cherry Hill, N.J.
- Kellogg Rust, Inc., Houston.
- Burns and Roe Industrial Services Corporation, Oak Ridge.
- JOWA Security Services, Inc., Detroit.
- CEB Associates, Stonington, Conn.
- The Maxima Corporation, Oak Ridge.
- Ebasco Services, Incorporated, New York City.
- WESCOPE Corporation, Huntsville, Ala.
- Tennessee Technological University, Cookeville.
- Sverdrup Technology, Inc., Tullahoma.

- Aspen Systems Corporation, Rockville, Md.
- EG&G, Inc., Wellesley, Mass.
- Jacobs Engineering Group, Pasadena, Calif.
- Hercules, Inc., Salt Lake City.
- Gilbert/Commonwealth, Reading, Pa.
- Fred C. Hart Associates, Inc., Washington, D.C.
- Systems Development Corporation, Oak Ridge.
- GTE Laboratories, Inc., Waltham, Mass.
- Grumman Aerospace Corporation, Bethpage, N.Y.
- Day & Zimmerman, Inc., Philadelphia.
- Foster Wheeler Energy Corporation, Livingston, N.J.
- Cabot Corporation, Boston.
- Rockwell International Energy Systems Group, Canoga Park, Calif.
- UOP, Inc., Washington, D.C.
- Northrop Services, Inc., Research Triangle Park, N.C.
- Science Applications, Inc., Oak Ridge.
- University of Tennessee, Knoxville.
- L. Robert Kimball & Associates, Ebensburg, Pa.
- Proposal Management, Inc., San Clemente, Calif.
- Battelle Pacific Northwest Laboratories, Richland, Wash.
- TechMedia Corporation, Philadelphia.
- Henry J. Kaiser Company, Oakland, Calif.
- IIT Research Institute, Annapolis, Md.
- Morrison-Knudson Company, Inc., Boise, Idaho.
- R², Oakton, Va.
- The Garrett Corporation, Los Angeles.
- Bendix Corporation, Arlington, Va.
- UCI, Inc., Springfield, Va.
- United Technologies, Huntsville, Ala.
- Aerojet General, Sacramento, Calif.
- Mercury Consolidated, Inc., Tuston, Calif.
- Lockheed Missiles & Space Company, Inc., Oak Ridge.
- Martin Marietta Aerospace, Orlando, Fla.
- PRC Systems Services Company, Oak Ridge.
- TRW, Redondo Beach, Calif.
- Technology for Energy Corporation, Knoxville.
- Bendix Field Engineering Corporation, Columbia, Md.
- United Engineers & Constructors, Inc., Knoxville.
- Robertshaw Controls Company, Knoxville.
- Pan Am World Services, Inc., Cocoa Beach, Fla.
- Fluor Engineers, Inc., Washington, D.C.
- The Orkand Corporation, Silver Spring, Md.
- PRI, Program Resources, Inc., Annapolis, Md.
- Teledyne Systems Company, Northridge, Calif.
- Wheelabrator-Frye, Inc., Hampton, N.H.
- Goodyear Tire & Rubber Company, Akron, Ohio.
- Oak Ridge Associated Universities, Oak Ridge.



ORNL 1525-83

In this issue . . .

A feature story on ORNL's Jim and Judy Weir, who have built their own geodesic energy-efficient home, is found on page 5.

Other features in this issue:

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Premiums suspended for next six months

Premiums for the Supplemental Life Insurance will be suspended for six months starting April 1.

Those who are participating in the Supplemental Plan on March 31, 1983, including early retirees, will not have a monthly premium payment during the six-month suspension period.

For hourly and weekly salaried employees, there will be no charge for the coverage during the 26 pay periods from the payroll week ending April 3 through the payroll week ending September 25. For monthly salaried employees and early retirees, there will be no charge for the months of April, May, June, July, August and September.

Lindsey promoted at Paducah Plant

Bill E. Lindsey has been promoted to head the Finance and Budget Department in Paducah's Finance and Materials Division.



Lindsey

Lindsey, a native of Paducah, attended Murray State University where he earned a bachelor's degree in accounting and a master's degree in business. He joined the Paducah Plant in 1977 as a budget officer in the Finance and Materials Division.

Lindsey and his wife, the former Alta Chambers of Paducah, live in Benton.

Donald H. Blanton heads department

Donald H. Blanton has been promoted to superintendent of the Personnel Relations Department in ORGDP's Employee Relations Division. He will be responsible for the labor relations and benefit plans functions in the plant.

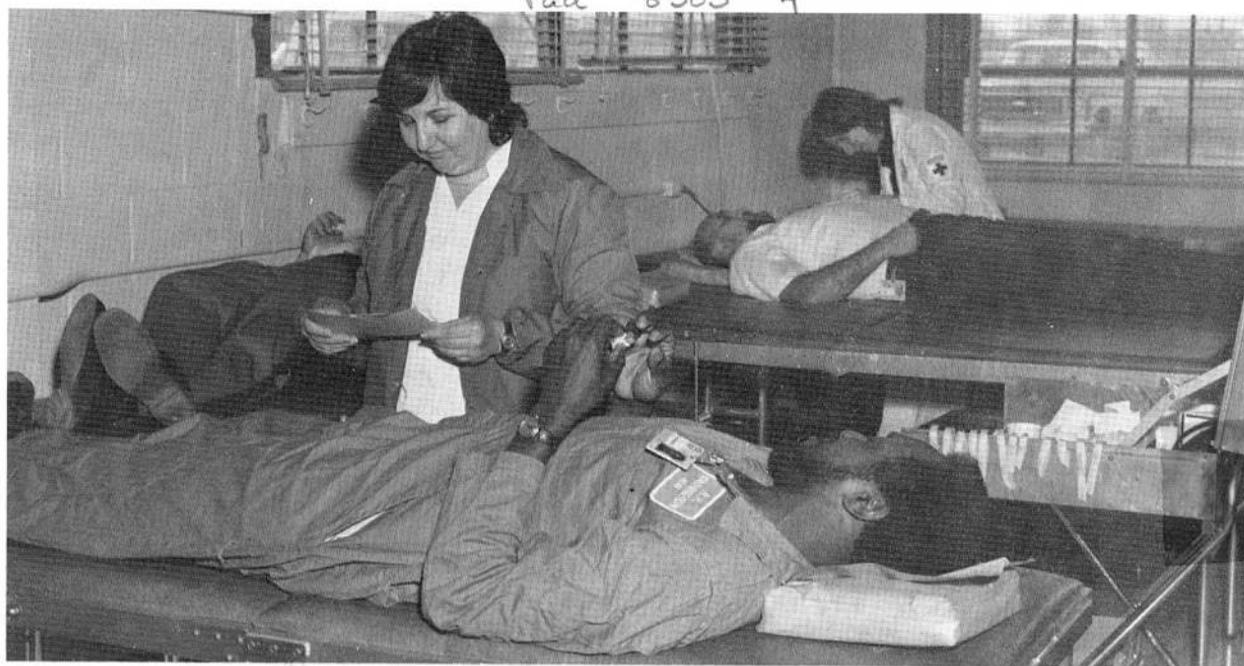
A native of Forest City, N.C., Blanton received his bachelor's and master's degrees in business administration from Western Carolina University. He joined the Nuclear Division in 1975.

Blanton worked in ORGDP's Operations Division as cascade supervisor in the K-29 area and, in 1979, was named assistant general supervisor at the Toll Enrichment Facility. He transferred to the Employee Relations Division as a labor relations specialist in 1981.

Blanton and his wife, Connie, live on Tierra Verde Drive in Knoxville.



Blanton



PADUCAH BLOOD DRIVE — Employees at the Paducah Plant donated more than 80 units of blood during this month's Red Cross drive. Employees who did not donate in March will have another opportunity when the next drive is conducted May 16 and 17.

Save Energy-Share the Ride

Y-12

CAR POOL MEMBERS NEEDED from Farragut area to North or Central Portals, 8-4:30. E. H. McBay, plant phone 4-2456; home phone Concord 966-7725.

CAR POOL MEMBER NEEDED from Cumberland Estates Shopping Center, Knoxville, to North Portal (preferably close), 7:30-4. David Mee, plant phone 4-0910; home phone 584-9347.

VAN POOL RIDERS NEEDED from Lake City/Norris/Clinton areas via Highway 61, 7:30-4. Joe Foust, plant phone 4-5889; home phone Lake City 426-2947.

RIDE NEEDED from Maryville/Alcoa area to any portal, "H" shift. Don Sexton, plant phone 4-3406; home phone 982-2906.

RIDE NEEDED from Family Inn on Gallaher Road (Highway 58) to Central or North Portal, 7:30-4. W. A. Farmer, plant phone 4-3749; home phone 376-9916.

NEED RIDER from Walker Springs Road,

Cedar Bluff area, to any portal, 7:30-4. Jerry Whittaker, plant phone 4-0886; home phone Knoxville 693-4718.

ORGDP

CAR POOL MEMBERS WANTED from east end of Oak Ridge to any portal, day shift. Phone Doug Janney at 4-9448; home 483-1619; or Sam Blumkin at 4-8145, home 483-7865.

ORNL

VAN POOL RIDERS NEEDED (room for two) from West Knoxville (Cedar Springs Shopping Center, 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.

BUS POOL MEMBERS NEEDED from the Burlington Area, Asheville Highway, heading in the direction of I-640, stopping at Broadway and Tazewell Pile. The next stop is Papermill and Weisgarber, then to Cloth World on Kingston Pike. The next stop, via Kingston Pike, is Lovell Heights Shopping Center, then on via Pellissippi Parkway to all portals, 8-4:30. P. R. Long, plant phone 4-4154; or Twana Taylor, 4-7281.

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 RIDERS NEEDED from East Knoxville — down Middlebrook Pike, Cedar Bluff and back down Middlebrook Pike to Pellissippi Parkway to East and West Portals, 8-4:30. Contact A. J. Boatwright, plant phone 4-6041; home phone 970-4231.

CAR POOL MEMBER NEEDED from Cedar Bluff area to South Portal, 8-4:30. Contact Malinda Hutchinson, plant phone 6-2100; home phone 693-7358.

CAR POOL MEMBERS NEEDED (5-person car pool) from Middlebrook Pike (Landmark, Stonebrook and Crestwood subdivisions) and Piney Grove Church Road to East Portal. Contact J. W. Sims, plant phone 4-5926, home phone 693-8829; or J. W. Nave, plant phone 4-4485, home phone 690-4395.

UNION CARBIDE

Published every other week for employees such as:



Connie M. Dunn, Nuclear Division Public Relations.

Nuclear Division News

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

EDITOR (Y-12)
Cindy Ross Lundy, 574-1643

ORNL
Marilyn Z. McLaughlin, 574-4163

ORGDP
Ruby A. Miller, 574-8092

PADUCAH
Laura Quigley, Bell 208



Complaints cover wide variety of topics

The Salaried Employee Complaint Program was implemented in November 1981 as an alternative to the normal employee/supervisory interaction and the "open door" interaction with management, when an issue or complaint has not been satisfactorily resolved.

Since the program's inception, 152 complaints, involving a wide variety of topics, have been registered with the 22 Nuclear Division counselors. Nearly two-thirds of these complaints either were granted or compromised to the satisfaction of the employees who presented them.

Most common subjects

According to James A. Barker, ORNL Employee Relations Division director and coordinator of the program, the volume of complaints registered so far, as a percentage of facility population, has been very similar at each of the four Nuclear Division installations. "And these complaints," he added, "cover the whole spectrum of possible problems." The most common subjects for complaint have involved salary issues, performance reviews, personal leave, promotions and work assignments. Other complaints have centered around questions of discipline, benefit plans, overtime, vacation leave, transfers and work schedules.

When an employee registers a complaint with a counselor, the issue is investigated and discussed with line management as necessary, and every effort is made to help resolve the matter in the best interests of the employee and the company. Although the

program also allows the employee to appeal the decision reached by the immediate supervisor, only 11 complaints have been appealed to the employee's division manager or director, and only 12 to the installation head (to whom appeals may be made directly only in certain types of complaints). According to Barker, more than 65 percent of the complaints have been resolved at the first level.

Positive results indicated

"Based upon our experience during the first 14 months, the results have been positive, indicating that the Complaint Program has been successful in meeting the needs of many employees," he said. "We attribute the success, in large part, to our high-quality counselors and excellent management support."

Although the initial program results appear positive, Barker emphasized the need for a better insight into overall employee views of the Complaint Program. As a result, a survey of some 500 salaried employees throughout the Nuclear Division will be conducted in May. The survey, which will be conducted by specialists from the University of Tennessee, will involve all employees who have filed complaints, their immediate supervisors, others who have brought questions to program counselors, all division managers and directors, and a random sample of other salaried employees.

"Through the survey," Barker explained, "we hope to learn more about employee attitudes toward the Complaint Program and to find ways to make it even more successful in meeting their needs."

Nuclear Division Salaried Employee Counselors

Name	Telephone
Y-12	
Jack Anderson	6-4593
George Cobham	6-3857
Dick French	4-2310
Steve Lockett	4-1644
Ken Valentine	4-2474
PADUCAH	
Gene Larson	Ext. 424
Pat Wooldridge	Ext. 388
ORGDP	
Lonnie Anthony	6-1766
Lynn J. Beck	4-7717
Brian Bovee	6-1458
Bryant B. Bowden	4-9717
Frank Gethers	6-0284
Nelline Ross	4-7964
Bob Tharp	4-8326
David E. White	4-9984
ORNL	
Tom L. Dahl	4-0367
Robert H. Dilworth	6-4773
Charles Kuykendall	4-7194
Dennis Parzyck	4-6688
Tom Pickel	4-6512
Bob Santoro	4-6084
Susan K. Whatley	4-6135

George L. Lowe dies

George L. Lowe, a machinist in the ORGDP Maintenance Division, died March 12 at Oak Ridge Hospital. He had worked in the Nuclear Division since December 1951.

Badge



Mr. Lowe

Mr. Lowe was a member of the First Baptist Church in Oliver Springs and of Faith Masonic Lodge No. 756.

Survivors include his wife, Wilma Lowe, of 101 Wayside Drive in Oak Ridge; a son, David Scott Lowe of Oak Ridge; mother, Mary Lowe of Johnson City; brother, Fred Lowe of Johnson City; and three sisters, Margaret Hastings of Marion, Va., Pauline Caldwell and Jean Nave, both of Belverder, S.C.

Funeral services were held March 14 at Weatherford Mortuary, followed by burial in Oak Ridge Memorial Park. The family requests that memorials be made in the form of contributions to the American Heart Fund.

Next issue . . .

Due to the Good Friday holiday, the deadline for the next issue is March 29. The issue will be dated April 7.



NEW Y-12 EMPLOYEE RELATIONS DIVISION OFFICES — A new Y-12 facility, Building 9109, now houses the Employment Department, Benefit Plans Department and Affirmative Action Office, all formerly located in the Administration Building (9704-2). The Recreation Office also has moved to the new facility from Building 9711-5. The Human Resource Development Department (including the Educational Assistance Program) has moved to an adjoining building, 9106. Nonbadged visitors to the Plant will now be handled through the reception area in Building 9109, and a visitor parking area will be provided in the North Portal lot.

DOE announces contract criteria and schedule

(Editor's note: The following is the text of DOE's Commerce Business Daily announcement concerning the criteria and scheduling for the contract to manage, operate and maintain the four facilities in Oak Ridge and Paducah.)

One operating contractor for management, operation and maintenance of various DOE facilities located at Oak Ridge, Tennessee, and Paducah, Kentucky.

The work includes the management, operation, and maintenance of the following government-owned facilities:

(1) **The Oak Ridge Gaseous Diffusion Plant (ORGDP)**, located in Oak Ridge, Tennessee, and (2) **the Paducah Gaseous Diffusion Plant (PGDP)**, located near Paducah, Kentucky. Activities include, but are not necessarily limited to, research and development and production of uranium enriched in the uranium 235 isotope by the gaseous diffusion method; the production of barrier materials (ORGDP only); the recovery of uranium and other materials; and participation in efforts related to the research, development, design, construction, and operation of additional enrichment facilities and the enrichment of uranium by the gas centrifuge and other methods with the objective of maintaining United States leadership in uranium enrichment technology and production of enriched uranium at minimum cost. Current employment totals approximately 3150 at the ORGDP and approximately 1400 at the PGDP. The current budget for FY 1983 at the ORGDP is approximately \$594 million including power costs of approximately \$295 million. The current budget for FY 1983 at the PGDP is approximately \$450 million including power costs of approximately \$371 million.

(3) **The Oak Ridge National Laboratory (ORNL)**, located in Oak Ridge, Tennessee. Activities include, but are not necessarily limited to, basic and applied research and development in physical and biological sciences; nuclear reactor development; controlled thermonuclear development and engineering; environmental sciences, fossil, solar and other energy programs; production and distribution of radioisotopes, stable isotopes, transuranics and special nuclear and source materials; and the operation of several nuclear research reactors. Also included are facilities located in the Y-12 (see below) and ORGDP plant areas but exclusive of general support activities supplied by those two plants. The current employment at ORNL is approximately 4500 and the current budget for FY 1983 is approximately \$385 million.

(4) **The Y-12 Plant**, located in Oak Ridge, Tennessee. Activities include, but are not necessarily limited to, processing and fabrication of enriched and depleted uranium metal, lithium compounds, aluminum, steel, special alloys of uranium and other metals, and other special and unique materials required in the fabrication of nuclear and thermonuclear weapons; recovery of normal, depleted and enriched uranium; support of the nuclear weapons design laboratories in the development and fabrication of new materials; and research and development services designed to promote efficient operations at minimum cost for the various Y-12 Plant programs. Also included are support services to ORNL facilities and programs located within the Y-12 Plant area (approximately \$25.0 million per year support). The current

employment at Y-12 is approximately 6100 and the current FY 1983 budget is approximately \$500 million.

In addition to the services set forth above, contract will require operating contractor to perform **related services**, incidental or related to the services described above for each facility or to the programs of DOE (including, without limitation, engineering, design, procurement, inspection, testing, installation, and related services in connection with the construction of new facilities and additions to, or rearrangement of, existing facilities), as may be agreed to in writing from time to time. The operating contractor will not perform with its own forces any construction work subject to the Davis-Bacon Act. The operating contractor will also, to the extent possible and as approved or directed by DOE, render services, including transfers of property, to federal agencies and to other operating contractors of DOE at Oak Ridge, Tennessee, or elsewhere.

Employment and budget

The present complement of personnel for the above four facilities totals approximately 17,600 (Oak Ridge and Paducah areas), including 2500 employed in a central services group (located in Oak Ridge) which provides centralized engineering, computer operations, procurement, accounting, auditing, legal, and other support services for all of the above facilities. The total current FY 1983 budget for all of the facilities including the centralized support services is approximately \$1.9 billion including approximately \$666 million related to power costs. The four facilities (including the centralized support services) are currently operated for DOE by the Union Carbide Corporation - Nuclear Division (UCC-ND). The contract will be for a period of five years with a unilateral option on the part of DOE to extend the contract for an additional five years. Award of a definitive contract is currently scheduled for approximately March 15, 1984. A cost-plus-award-fee (CPAF) contract will be negotiated; however, the government reserves the right to enter into a cost-plus-fixed-fee (CPFF) contract for the period between the signing of the contract and October 1, 1984. Annual fees will be based on (1) the fee schedules set forth in the DOE procurement regulations and (2) the DOE Procurement Guide (DOE/PR-0007/2; PG 9-3.4) "Types of Contracts and Agreements Guide (Part II): Cost-Plus-Award-Fee Contracting," dated April, 1978.

The above described work was previously synopsisized for expressions of interest in CBD Issue No. PSA-8150 dated August 19, 1982.

The following qualification criteria apply to this procurement:

(1) **Continuity of Employment and Benefits:** The proposer must state its willingness to (a) employ the bulk of the personnel currently employed; (b) take over the Union Carbide Corporation - Nuclear Division noncontributory pension program for both past and future service; (c) credit employee service with Union Carbide Corporation toward any length of service requirements of the replacement contractor for such fringe benefits as vacation and sick leave; and (d) recognize and negotiate in good faith with the current bargaining agents.

(2) **Alien Control:** The proposer must certify that it is free from alien control or domination.

(3) **Government-owned Property and Equipment:** The proposer must state its willingness to

accept, at contract execution, the transfer of and accountability for government-owned property and equipment including special nuclear material on an "as-is, where-is" basis, subject to mutually agreed upon verification.

(4) **DOE Requirements and Direction:** The proposer must state its willingness to accept DOE contract provisions and clauses including those pertaining to DOE direction and surveillance over the work programs.

(5) **Uniform Accounting System:** The proposer must state its willingness to accept and commit to the uniform accounting system which is currently in place at all major contractors within the Oak Ridge Operations.

(6) **Accepting Responsibility for Existing Contractual and Other Agreements:** The proposer must state its willingness to accept transfer of all Union Carbide Corporation (a) subcontracts; (b) agreements with domestic and foreign research organizations; (c) agreements with universities and colleges (including, for example, the long-standing agreements between Union Carbide Corporation and the University of Tennessee); and (d) other similar agreements.

(7) **Business Entity:** The proposer must state it will establish a separate business unit (division, segment, joint venture, etc.) which will manage and operate the four government-owned facilities and report directly to a home office.

The RFP will encourage offerors to propose investment in the community and assistance to the Oak Ridge area in diversification of its industrial base.

DOE expects to issue a request for proposal (RFP) in April, 1983. Interested organizations should request a copy of the RFP from the above specified DOE office. Requestors should submit four self-addressed mailing labels.

A **presolicitation conference**, including a tour of unclassified facilities for prospective offerors, will be held in the main auditorium of the American Museum of Science and Energy, Oak Ridge, Tennessee, on March 22-23, 1983. Registration will start at 8 a.m. and the conference will begin at 8:30 a.m. Interested organizations must submit in writing by March 15, 1983, a list of no more than four individuals, including citizenship of each, proposed for attending the presolicitation conference. Space will be reserved for only the four named individuals from each organization.

A **classified preproposal conference**, including a tour of facilities for prospective offerors will be held in Oak Ridge, Tennessee, in June 1983. In order to attend the preproposal conference, prospective offerors must have a DOE security clearance (complete background investigation). Only three individuals from each interested organization will be processed for a DOE security clearance and permitted to attend the preproposal conference. Interested organizations which believe they meet all qualification criteria should submit no later than April 4, 1983, a statement of intent to propose and a DOE personnel security questionnaire (PSQ) completed by each of no more than three individuals proposed for participation in the preproposal conference. DOE personnel security questionnaires may be obtained by interested organizations by written request to the following address: U. S. DOE, Oak Ridge Operations Office, Attn: B. W. Krause, Personnel Security Branch, P. O. Box E, Oak Ridge, Tennessee.

ORNL's Jim and Judy Weir build futuristic home

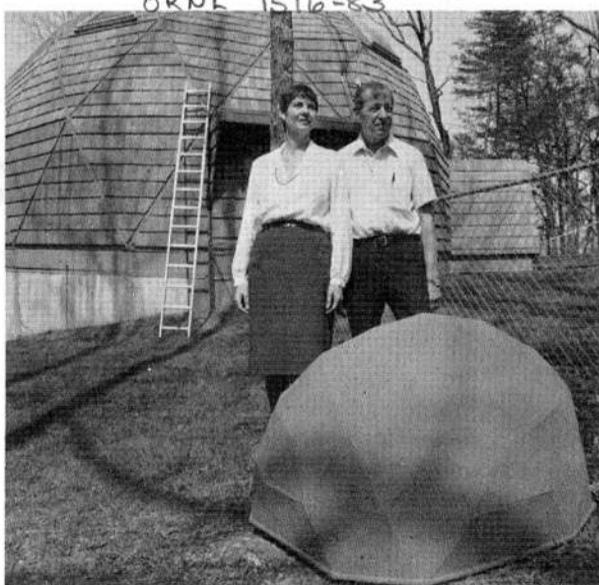
What has 20 sides, a self-supporting 40-foot-diameter roof, combines futuristic design with the best features of energy conservation and serves as a spacious lakeside domicile? The answer: Domus Isle, a geodesic dome-style dream home constructed by ORNL's Jim and Judy Weir.

The 1982 World's Fair labeled the geodesic dome as the "home of the future" because of its architecturally unique, functional and energy-saving features. But the Weirs "jumped the gun" on the Fair, and on February 24, 1981, they broke ground for the construction of a 3700-square-foot home they have named Domus Isle.

Domus Isle, located on a wooded one-acre lot on a point, yields a magnificent, panoramic view of Watts Bar Lake. The location was the perfect means to combine Jim's love of sailing and Judy's desire for privacy and quietude. Judy, a technical editor in the Information Division, says that one of the special delights afforded by living on the lake is "just sitting on the house's deck (928 square feet of it!) and listening to the sounds of nature. It is so peaceful that you can just feel the freshness of each day."

The Weirs became interested in the geodesic-dome concept when Jim's oldest son, James III, referred them to a magazine advertisement that described building kits. Their original idea for building an A-Frame structure was then abandoned. As Metals and Ceramics Division director, Weir was already knowledgeable about the best energy-related materials for use in the house's construction. Quality in the selection of building materials and heating and cooling systems was a top priority. The adaptability of the dome concept was an added attraction in modifying the original design to meet their family's needs.

The actual construction of the house was a family venture, including Judy and her two sons, David and Andy Arehart; and Jim and three of his sons, James III, Scott and Todd. Weir recalls that he even recruited his 75-year-old father, James R. (senior). "When he would drop by, I'd hand him a hammer because he really liked driving nails."



GEODESIC-DOME WELL COVER — It may look like a turtle, but the Weirs are standing behind their well's cover, a facsimile of their dome-shaped home.



STAR GAZERS — The Weirs' home offers many opportunities for scoping the heavens, either on the 928 square feet of deck space or through the 11 interior skylights.



'LIVING IN THE ROUND' — A wide-angle lens was used to portray the expansiveness and rounded contours of the Weirs' living room.

Serving as the contractor, Weir sized and ordered all materials and subcontracted construction assistance outside the family when needed. By doing this, he feels they saved about 25 percent on the total cost of the house.

Preparation of the site for the house entailed clearing away 120 trees. Using three chain saws, Weir and his sons completed this task and stockpiled all the wood for later use.

The unconventional shape of the house can be attributed to a most uncommon assemblage. The skeleton of the house, which resembled a giant jungle gym, was pieced together like a jigsaw puzzle. In one eight-hour day, Weir and his sons constructed the alternating 8- and 4-foot straight segments into a 20-sided circular configuration. Then the dome, which is four times the strength of a standard roof and 23 feet tall (at the center), was positioned in place piece by piece.

There are many space- and energy-saving features in the home, but of particular note is the three-walled steel fireplace. It was designed as a natural convection-cooled system with a heating capacity of 32,000 B.T.U.'s per hour and is capable of heating the entire house in the event of a power outage. For alternate heating, water-source heat pumps are used. A unique energy-saving feature of this heating system is that the house's well water is used for the heat exchange. The house is airtight, primarily because it was glued and nailed together. This made it necessary for an air exchanger and dehumidifier to be used. The rewards have been worth it, because Weir says that the maximum heating bill so far has totaled \$130.

Other special features of the house include three stairways and a stairwell, designed and

(Please turn to page 8.)



ATOMIC LEAGUE CHAMPS — Champions of volleyball's Atomic League include, seated from left, Reed Gryder, John Bell and Dave Greenwood. On the back row are Wayne Houlberg, Harold Ketterer, Charles Snodgrass, Eric Harrington and John Flanagan.

Fishing begins at Paducah

The dates and categories for the 1983 Paducah fishing season include:

Crappie only	March 1-April 15
Black bass only	March 1-April 15
Striped bass only	March 1-Oct. 31
Rough fish only*	March 1-Oct. 31
Crappie only	April 16-May 31
Black bass only	April 16-May 31
Bream only	April 15-Aug. 31
Catfish only	May 1-Oct. 31
Black bass only	Sept. 1-Oct. 31
Crappie only	Sept. 1-Oct. 31

*The rough fish category includes gar, carp, suckers, grennel and buffalo fish caught with a bow and arrow. Prizes will be awarded for the largest fish and the greatest total weight submitted during the contest period.

Paducah basketball results

Here are the final standings for the 1983 Paducah Plant basketball season:

Team	Won	Lost
The Kings	10	1
A-Shift	8	3
Tech Services	5	6
Power Steamers	2	8
Cascade	2	9

Averaging 83 points a game, the Kings are the top offensive team in the league. The top defensive team is A-Shift, whose members have allowed an average of only 58 points a game.

For more Carbide recreation highlights, please turn to page 8.

Carbide golf tourney dates announced

The following dates have been announced for play in Carbide's 1983 golf tournaments:

Y-12

April 30	-	Wallace Hills
May 14	-	Southwest Point
June 25	-	Cedar Hills
July 30	-	Southwest Point
Aug. 27	-	Dead Horse Lake

ORNL

April 30	-	Cedar Hills
May 14	-	Wallace Hills
June 25	-	Dead Horse Lake
July 30	-	Wallace Hills
Aug. 27	-	Southwest Point

ORGDP

April 30	-	Southwest Point
May 14	-	Dead Horse Lake
June 25	-	Wallace Hills
July 30	-	Cedar Hills
Aug. 27	-	Wallace Hills

UCRA golf season opens

The Union Carbide Retirees' Association Golf League will begin play at 9 a.m., April 13, at South Hills Golf Club. All UCRA golfers are urged to participate.

SPORTS TALK

What do you think of the United States Football League and its chances for survival?

K/PH 83-0995



Danny G. Kerley
Maintenance Division
ORGDP

"I may watch a few of the games, and I think the USFL has a better chance of succeeding than the World Football League. This is because the USFL has some big-name players and very wealthy owners to back it. I don't really think the league will make it, however, because most people just don't want to watch football for 12 months a year."

4-12 212663



Cindy R. Cavender
Employee Relations
Division
Y-12

"I've watched the last two televised games, or at least parts of them. I like the new league. I've decided that I might as well like it, because we'll be watching it at my house, anyway. I think the USFL will make it, because people are always looking for something to watch on television during the weekend."

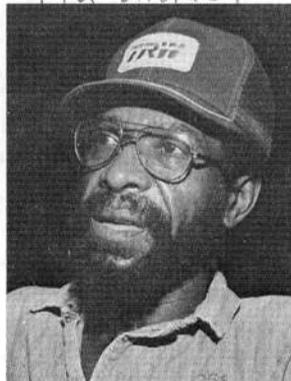
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Dave Wright
Operations Division
Paducah

"I plan to watch very few United States Football League games. I think the league may survive for a while, but it won't become a permanent fixture. There's just too much football — fall, spring and summer — and the market is saturated. Something eventually will be done to reduce the number of football games to a manageable level."

4-12 212664



William D. Clark
Maintenance Division
Y-12

"I've watched a few of the games, and I've enjoyed them. Many of the players have a lot to learn, but I think they're improving. And the USFL does give a lot of boys a chance to play who might not get to otherwise. I think the new league will survive for a while, but I won't really start watching regularly until basketball season's over."

ORNL 1511-83



Thelma Wright
Information Division
ORNL

"I haven't seen any of the USFL televised games yet, but I probably will watch sometime, if only to see Herschel Walker play. I don't think the league will survive, because most fans' interests turn to the traditional spring sports after the long college football and NFL seasons. Spring is the wrong time for football — that's baseball season."

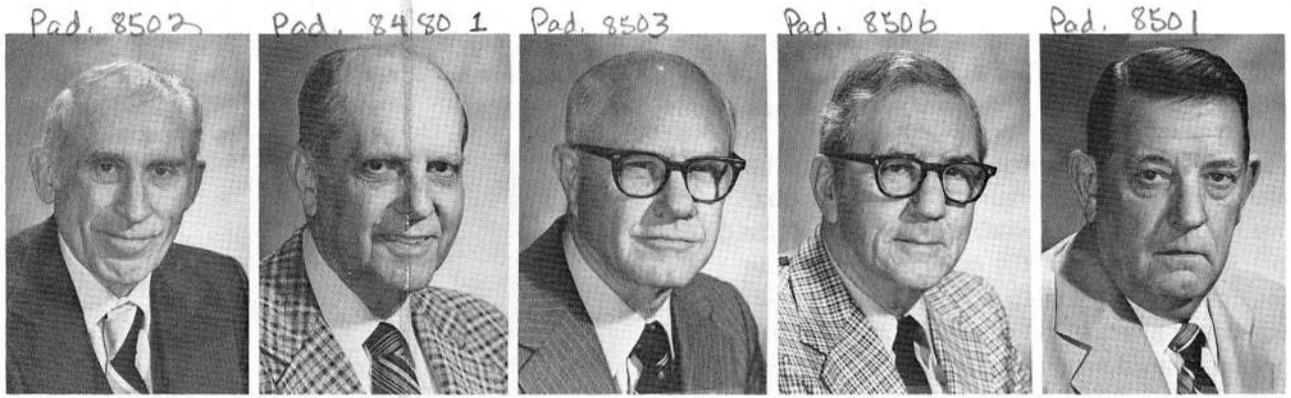
ORNL 1512-83



Robert H. Alred
Computer Sciences at
ORNL

"I watched the first televised USFL game, but I will not continue to watch. The league has a few top-quality players, but most are just not of NFL caliber. Watching them play is a lot like watching minor league action. The USFL may survive, however, simply because some fans have nothing else to do that time of year."

Recent Retirements



Howard E. Armstrong
Maintenance
Paducah
32 years service

James W. Thompson
Finance and Materials
Paducah
31 years service

Joe A. Ross
Maintenance
Paducah
31 years service

Ellis T. Rogers
Maintenance
Paducah
10 years service

Brice C. Edwards
Maintenance
Paducah
31 years service



Lloyd T. Murphy Jr.
Product Certification
Y-12
37 years service

Edgar J. Graham
Maintenance
Y-12
18 years service

Louise G. Scogin
Engineering
Y-12
30 years service

Raymond B. Thompson
Fabrication
Y-12
26 years service

Darrell E. Doane
Fabrication
Y-12
31 years service

Judge D. Kile
Fabrication
Y-12
32 years service

Alfred Duncan
Maintenance
Y-12
29 years service



Hugh L. Boshears
Fabrication
Y-12
28 years service

Alfred L. Boch
Fusion Energy
ORNL
39 years service

Clarence G. Mowell
Finance, Materials
and Services
ORGDP
38 years service

Edwin F. Phares
Biology Division
ORNL
34 years service

Irving Spiewak
Engineering Technology
ORNL
33 years service

Laroy S. Nabors
Fabrication
Y-12
31 years service

Billy L. Miller
Fabrication
Y-12
32 years service



Harley R. Johnson
Metal Preparation
Y-12
37 years service

James M. Nevils
Fabrication
Y-12
21 years service

Paul J. Kortz
Maintenance
Paducah
29 years service

Dorothy V. Hill
Product Certification
Y-12
38 years service

Henry H. Stoner
Health, Safety
and Environment
Y-12
38 years service

Odeva Mack
Fabrication
Y-12
36 years service

James W. Kyle
Fabrication
Y-12
29 years service



Willis E. Muldrew
Operating Contractors
Project Office
ORGDP
31 years service

Samuel G. Howard
Maintenance
ORGDP
20 years service

Jackson G. Thompson
Process Support
ORGDP
37 years service

Roy H. Duncan
Maintenance
ORGDP
37 years service

Leonard L. Johnston
Plant and Equipment
ORNL
23 years service

Duward F. Bennett
Maintenance
ORGDP
20 years service

Dale W. Magnuson
Advanced Isotope
Separation
ORGDP
41 years service

Weirs' futuristic home

(Continued from page 5)

built by Weir's oldest son; eleven skylights, which offer many opportunities for star gazing; and extra-thick insulation throughout the entire house, making it a cozy abode in the winter and a cool one in the summer. An added safety precaution was the use of a fire extinguisher and smoke alarm in every room.

By November 1981, the Weirs were able to move into the house and enjoy the benefits of their labor. One of those benefits for Jim is being able to see his 27-foot sailboat anchored alongside the concrete, steel-reinforced dock that he and his son also built. "The boat is there to repel invaders from the sea," Weir said. A benefit for Judy is being able to use a well-designed kitchen. "I wanted the kitchen to be functional, with no clutter, but with plenty (40 linear feet) of counter space." Judy's choices of light oak cabinetry, wild cypress paneling and soft, muted colors create a warm and casual feeling in the unusual, multi-angled kitchen. A specially designed serving counter, which opens into the 700-square-foot living room, provides a spacious and receptive atmosphere for entertaining.

An added bonus, or onus, of having a unique home is that it stimulates the interest of curious passersby. People often stop and request a tour of the house. Fisherman pass-



Judy and Jim Weir

ing by and peering up at the structure often have amusing comments. One that the Weirs remember was, "Hey, will you look at that! They're building a #*!+ reactor!"

In some respects, the Weir's home is still ushering in the future. They have many long-term plans for landscaping, adding to the interior features and completing the basement family room as money and time allow. The dream lives on.

— M.Z.M.

Question Box

Why assign tasks after work hours?

QUESTION: Several years ago supervision was reminded that weekly roll personnel were not supposed to be assigned any work tasks before their work starting time or after their normal quitting time. Why are weekly roll employees still being asked to look up information, answer telephones, make copies, etc., on their own time?

ANSWER: Company policy has not changed. Weekly salaried personnel should observe their normal working schedule unless assigned additional tasks by supervision. If an employee is assigned additional work, either before or after regular working hours, the extra time should be recorded on the time card and should be compensated for. If a weekly roll employee were assigned work on his/her own time and were instructed by supervision not to report it on the time card, it should be reported to the division manager/director, the installation salary administration office or to a salaried-employee complaint counselor.

Coding medical appointments

QUESTION: Is it true that employees in some divisions code doctor and dentist appointments on their weekly time cards as sick (code 17) rather than personal (code 16)?

ANSWER: Nuclear Division administrative guidelines covering personal leave for weekly salaried employees call for medical or dental appointments that cannot be scheduled during nonworking hours to be handled as personal-with-pay absences (symbol 16). However, should an employee be absent or be sent off the job because of illness or injury, a subsequent visit to a doctor or dentist would be included as part of the sick-leave absence.

Carbide recreation notes . . .

(Continued from page 6)

Rifle League matches set

Carbide High Power Rifle League/DCM matches are set for April 9, April 30 (approved), May 21, June 4 (approved), June 25 and July 9. All matches are 800 aggregate.

For the approved matches, shooters should report to the target shed at 8 a.m., expect to pull targets and return equipment to the shed after the match (at approximately 4:30 p.m.). The \$5 charge includes NRA registration fee.

For the other three matches, participants should report to the 200-yard firing line at 8:30 a.m. for squadding. Pit service will be furnished. The cost is \$10, and the match should end about 1:30 p.m.

Bowling highlights

ORGDP Women's...

High scores from the ORGDP Women's League were posted by Georgia Guinn, 198 scratch game and 504 scratch series; Jean Bangham, 234 handicap game, and Edwena Crowe, 647 handicap series.

Carbide Lenoir City...

In the Carbide Lenoir City League, the Fantastic 4 lead the standings, followed by the Spoilers and Misfits. Recent highs were rolled by Bill Mullis, 594 series; and Carl Thompson, 225 game.

Patent

Earl V. Davis and Billy E. Foster, both of ORNL, for "Penetrometer Positioner for Bore-Side Radiography of Tubes."

Safety Scoreboard

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

Y-12 Plant	55 Days	2,031,000 Employee-Hours
ORGDP	11 Days	265,600 Employee-Hours
ORNL	274 Days	5,904,806 Employee-Hours
Paducah	961 Days	7,778,534 Employee-Hours

Safety tip: Switch to low-beam headlights when driving in fog. High beams will shine directly into fog and cause glare.

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NUCLEAR DIVISION
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