

**SCIENCE**

## ORNL, area firms have key role in new manufacturing institute

**Advanced composite manufacturing has arrived** as the “next big thing” in industry, and ORNL is on the leading edge.

President Obama’s Jan. 9 visit to East Tennessee included a stop at a business in Clinton — Techmer PM — to announce the new Institute for Advanced Composites Manufacturing Innovation (IACMI), part of the White House National Network for Manufacturing Innovation intended to sustain progress in U.S. manufacturing.

ORNL will lead efforts focused on accelerating the prototyping and scale-up of carbon fiber production and composites-manufacturing technologies.

“We’re launching these hubs around the country, and the concept is simple,” Obama said during the ceremony in Clinton. “We bring businesses, research universities, community colleges, state, local and federal governments together, and we figure out, where are some key opportunities for manufacturing in the future, how do we get out in front of the curve, how do we make sure everybody is working together.”

The University of Tennessee-led IACMI, comprising a 122-member consortium of partner states, universities, national laboratories and industry leaders, will focus on advanced fiber-reinforced polymer composites to enable energy efficiency in transportation and energy production while creating new economic opportunity for U.S. manufacturers.

‘Besides being a cool car, it’s a great example of how a hub like this operates.’



*With the 3-D printed Shelby Cobra in the foreground, President Barack Obama (center) and Vice President Joe Biden (right) flank ORNL researcher Lonnie Love during the Jan. 9 IACMI announcement with Techmer PM CEO John Manuck (left) and Techmer ES Managing Director Tom Drye. (Photo by Randy Sartin)*

Composites are made by combining a polymer resin with strong reinforcing fibers, typically glass or carbon. The resulting composite material often outperforms metals in terms of weight and strength.

Their high cost, however, limits their use to specialized, low-volume applications, such as aircraft parts. The IACMI research effort is aimed at developing high-speed production at lower cost to expand composites to high-volume, cost-sensitive markets such as automotive, wind energy and compressed gas storage.

The president examined a 3-D printed reproduction of a shiny blue Shelby Cobra, which he noted was produced by ORNL at the Lab’s Manufacturing Demonstration Facility (MDF).

“Besides being a cool car, it’s a great example of how a hub like this operates,” he said.

The 3-D printed two-seater will likely never be a production car, but its sleek lines and glossy finish demonstrate advanced manufacturing techniques, many

*(continued on page 2)*

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Margie is a regular at the Clinton Public Library. (Photo by Carlos Jones)

## Margie Skipper always looking to help people any way she can

During her 27½ years working at ORNL, Margie Skipper always exuded a friendly personality and was always willing to help people.

Sixteen years after retiring from ORNL as a laboratory shift superintendent – the first female to hold that position – Margie is still friendly as ever and working to make things better for people who are in need.

Margie's efforts have been focused in recent years by volunteering her services at Oak Ridge First United Methodist Church, where she and husband Franklin – retired from the old Oak Ridge Gaseous Diffusion Plant – have worshipped for years. One day every other week, Margie donates a morning to help out in the church.

“I help out wherever they need me,” said Margie, who first worked at ORNL in 1961. “I’ve been doing a lot of work in the financial department.”

Margie taught Sunday school for two-year-olds and third graders in the past, which also presented opportunities to provide service to others. Additionally, Margie participates in an annual Sunday school Christmas project that serves people in need.

“There are many in Anderson County who have a tough time each Christmas and this project is an effort to help them have a merrier Christmas than they might otherwise have,” Margie said.

Family is also a key component of Margie's life. She and Franklin have two children. Son David works in ORNL's Environmental Protection Services Division and daughter Angie is with the Bank of America in Charlotte, N.C. She has four grandchildren – all teenagers. The oldest, Andy, is a freshman at the University of Tennessee and was selected as the 2014 UT-Battelle Scholar.

“We are very proud of what he has accomplished,” Margie said of Andy, whose mother is Maria Mayer Skipper and works in ORNL's Business Management Services Division. “Over the years, Franklin and I have tried to spend as much time as possible with our grandchildren.

In addition to working at the church, Margie enjoys reading and is a regular at the Clinton Library. She also goes to the gym as many days as possible. Margie keeps up with as many former acquaintances from her time at ORNL – especially among alumni of the Lab Shift Superintendent's office. –Fred Strobl 🌿

## AMSE seeking docents

The American Museum of Science and Energy (AMSE) is looking for volunteers to act as docents.

Some of the activities docents could be involved with are welcoming visitors to AMSE, provide information about AMSE's exhibits and programs, communicate general information about Oak Ridge and its history, host live demonstrations and assistance with traveling exhibits along with help at summer camps and special events.

If you are interested in serving as an AMSE docent, please contact Glenda Bingham at 576-3200.

*(manufacturing institute continued from page 1)*

of them developed at the MDF. The lightweight composite materials are attractive not only visually, but also because lighter vehicles require less energy to run.

Secretary of Energy Ernest Moniz blogged: “The car demonstrates a number of cutting edge technologies, and shows how the National Network for Manufacturing Innovation Institutes could leverage each other's strengths and achieve more together than they could on their own.”

The materials focus area will leverage ORNL technical expertise and key DOE manufacturing R&D facilities including the MDF and the Carbon Fiber Technology Facility, both located at ORNL.

The Lab's unique scientific resources including the Spallation Neutron Source and National Center for Computational Sciences will play important roles in the largely materials-related research and development efforts.

“Together our people and research infrastructure offer unparalleled capabilities to move innovative composite materials technologies from the laboratory to the marketplace,” said ORNL Director Thom Mason. –Bill Cabage 🌿



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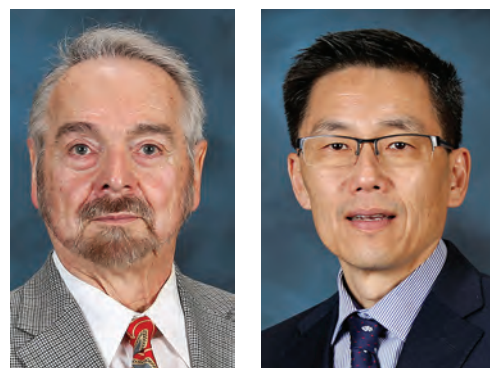
## Protopopescu named ORNL's Top Scientist during Lab's 2014 Awards Night

**Vladimir A. Protopopescu** of ORNL's Computational Sciences & Engineering Division received the ORNL Director's Award for Outstanding Individual Accomplishment in Science and Technology during the 2014 ORNL Awards Night Ceremony Nov. 8 in Knoxville.

He was recognized for outstanding mentorship of early-career staff during his 30-year career at ORNL, including professional development, intellectual leadership, critical thinking, skills training and continuous inspiration and encouragement. His efforts have resulted in highly productive scientists and engineers who continue to have an impact on science and technology at ORNL and other high-profile R&D institutions. Vladimir also earned the Mentor of Early-Career Researchers Award.

**Young Soo Kwon** of ORNL's Research Reactors Division earned the Director's Award for Outstanding Individual Accomplishment in Mission Support. He also earned the Mission Support Leadership — Group Level Award. He was honored for sustained, distinguished performance as the Systems Engineering group leader. His team has helped the High Flux Isotope Reactor attain a high level of operations performance reliability that was recognized with an award in 2013 from the American Nuclear Society.

An 11-member team composed of representatives from the Energy & Environmental Sciences and Physical Sciences directorates earned the Director's Award for Outstanding Team Accomplishment for developing of a big area additive manufacturing technology that can produce components 10 times larger, 100 times cheaper and 100 times faster than current systems. The technology is being commercialized by Cincinnati, Inc.—*Bill Cabage* 🌿



Vladimir Protopopescu Young Soo Kwon



Members of the team, which also earned the Technology Transfer Award, are, in the photo, from left, back row, John Rowe, Charles Carnal, Lonnie Love, Craig Blue, Randall Lind and Peter Lloyd. Front row, Vlastimil Kunc, Alan Liby, Jennifer Palmer, Chad Duty and Brian Post. Lonnie Love also earned a Distinguished Researcher Award. (Photo by Jason Richards)

## Buchanan, Liang, Mayes elected AAAS fellows

ORNL's Michelle Buchanan, Liyuan Liang and Melanie Mayes are among the latest scientists to receive recognition as fellows of the American Association for the Advancement of Science. AAAS is the world's largest general scientific society and elects fellows based on their distinguished contributions to the advancement of science or its applications.

The peer recognition was awarded for scientific contributions that range from administrative leadership to discoveries in the environmental sciences.

**Michelle Buchanan**, who is ORNL's Associate Laboratory Director for Physical Sciences, was elected "for exceptional technical leadership and service in the chemical and physical sciences, and for contributions to setting the nation's research priorities."

**Liyuan Liang** currently directs ORNL's Office of Institutional Planning and manages the Laboratory's ARPA-E programs. She has served as chief scientist, group leader and distinguished research staff member in ORNL's Environmental Sciences Division. She was cited by the association "for leadership in understanding mercury transformation in the environment, leading to the discovery of mercury methylation genes in anaerobic bacteria."

**Melanie Mayes** holds staff scientist positions in ORNL's Environmental Sciences Division and Climate Change Science Institute and a joint faculty position with the University of Tennessee Department of Earth and Planetary Sciences. She is recognized "for distinguished contributions to the field of soil hydrogeology, using experimentation to improve models of biogeochemical processes relevant to contaminant transport and organic carbon cycling." 🌿



Buchanan



Liang



Mayes

## Service Anniversaries

## December 2014

**40 years:** **John Wayne Cornett**, Facilities Management; **Douglas L. Selby**, Instrument and Source

**35 years:** **Kathy J. Davis**, Accounting Services; **William Keith Kahl**, Energy & Transportation Science; **Greg C. Groover**, Nonreactor Nuclear Facilities; **Terri A. Rose**, Computational Sciences & Engineering

**30 years:** **Charles D. Hohanadel**, Health Services; **Arthur S. Buddy Bland**, Center for Computational Sciences; **Susan Shepherd Horne**, Acquisition Management Services; **Sujit Das**, Energy & Transportation Science

**25 years:** **Diane McCusker**, Office of Integrated Performance Management; **Gail Wright Morris**, Environmental Sciences; **Robert L. Coleman** and **Leslie Ann Henderson**, Nuclear & Radiological Protection; **David Alan Frederick**, Materials Science and Technology; **Ronald W. Lee**, Computational Sciences & Engineering; **A. Jeanine Evans**, Neutron Sciences; **Stephen M. Bowman**, Reactor & Nuclear Systems; **Brian J. Kaldenbach**, Electrical & Electronics Systems Research

**20 years:** **Missy H. Baird**, Office of Integrated Performance Management; **Mark E. Bannister**, Physics; **Mark L. Williams**, Reactor & Nuclear Systems

## January 2015

**40 years:** **Boyd Michael Beets**, Electrical & Electronics Systems Research

**35 years:** **Twana Faye Ferguson**, Integrated Operations Support; **P. M. Garnet**, Logistical Services; **Robert K. Abercrombie** and **B. Timothy Rhyne**, Computational Sciences & Engineering; **Michael Howell** and **Clifford Charles Davisson**, Materials Science and Technology; **Frank V. Damiano**, Technology Transfer; **Frederick P. Griffin**, Research Reactors Division; **Charles A. Baldwin**, Fusion & Materials for Nuclear Systems

**30 years:** **Lawrence Frederick Allard Jr.**, Materials Science and Technology; **Vladimir A. Protopopescu**, Computational Sciences & Engineering

**25 years:** **Victoria C. Shope**, Business Management Services; **Yogesh V. Sheth**, Nuclear Security & Isotope Technology; **Jeff Ault**, Accounting Services; **Angela D. Eldridge**, Facilities Management; **J. Michael Starbuck** and **Patricia S. Tedder**, Materials Science and Technology; **Lisa M. Buchner**, Safety Services; **William H. Wolfe** and **Gloria T. Mei**, Nuclear & Radiological Protection; **Norman L. Woody**, Research Reactors; **Carla H. Decker**, Laboratory Protection; **James Padgett Jr.**, Information Technology Services

**20 years:** **Steve Parham** and **Dennis L. Davis**, Information Technology Services; **Clark W. Lee**, Facilities Management; **Thomas R. Watkins**, Materials Science and Technology; **Mary H. Kiser**, Internal Audit Directorate; **John Q. Bui**, Integrated Operations Support Division

## February 2015

**40 years:** **Forrest Douglas Childers**, Logistical Services; **Vicki L. Beets**, Communications

**35 years:** **E.W. Seals**, Facilities Management; **Ava Irene Sharp**, Computational Sciences & Engineering

**25 years:** **Kevin Loyd Reaves**, Nuclear & Radiological Protection; **Shirley A. North**, Laboratory Waste Services; **Vicki M. Mayfield**, Environmental Protection Services; **Janice J. Crippen**, Acquisition Management Services; **Brigham B. Thomas**, Nuclear Security & Isotope Technology; **Karl Philip Zimmerman**, Research Reactors; **Stacey E. Holliman**, Business Management Services; **Diane Embleton**, EESD Safety and Business Operations

**20 years:** **Michael J. Pierce**, Nonreactor Nuclear Facilities; **Carlos Wade Cunningham**, Information Technology Services; **William E. Barnett**, Research Accelerator; **Ronald A. Walli** and **Harold Frederick Strohl**, Communications; **Mariappan Parans Paranthaman**, Chemical Sciences; **Carl Lee Dukes**, Electrical & Electronics Systems Research; **Sharon L. Byrd**, EESD Safety and Business Operations; **Terry Housley**, **Marvin Glenn Helton**, **Michael Lee Watson**, and **Kevin W. Webb**, Logistical Services; **James Dennis Harris**, Facilities Management; **Chang-Hong Yu**, Physics

## Club ORNL events

Get the details and latest news online via <https://info.ornl.gov/sites/clubornl>. Request an XCAMS account, which will allow you to participate in these events or contact Lara James at 865-576-3753 or [jamesla@ornl.gov](mailto:jamesla@ornl.gov).

# THE NEWS

## OAK RIDGE NATIONAL LABORATORY

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OAK RIDGE, TENNESSEE

Friday, February 18, 1955

### Local ACS Group Meets Thursday

On Thursday, February 24, the Analytical Group of the East Tennessee Section of the American Chemical Society will hear an address by Miss Roberta L. McCutchen, Oak Ridge National Laboratory.

The meeting will be at 8 PM in Room 245-246, Oak Ridge High School.

The topic of Miss McCutchen's talk will be "The Use of Control Charts in Analytical Chemistry." The lecture will include a discussion of the techniques, terms, and symbols associated with the use of control charts. The interpretation of variations and the detection of biases, trends, and gross errors will be illustrated and discussed with the aid of control charts of constituents in the gravimetric and colorimetric range.

Miss McCutchen received her B. S. degree in Chemistry from Michigan State College in 1941. Her studies have continued at MSC and the University of Tennessee in the fields of Chemistry and Industrial Management. Miss McCutchen is presently in charge of the Quality Control Program of the Analytical Chemistry Division of Oak Ridge National Laboratory.

### AEC To Sell India Heavy Water For Research Reactor

Chairman Lewis L. Strauss recently announced that the U. S. Atomic Energy Commission has agreed to the request of the Government of India for the sale to that country of ten tons of heavy water to be used in a research reactor to be located near Bombay, India.

"I hope that the sale of this heavy water to India is only a first important step in a broader collaboration in this field," Chairman Strauss said. "It is in keeping with the program of the United States in developing arrangements with friendly nations to promote the peaceful uses of atomic energy as announced by President Eisenhower in his United Nations speech."

Research reactors are an essential instrument for the training of scientists in reactor technology and in addition develop good neutron fluxes for nuclear experiments.

#### SAFETY SCOREBOARD

Your Laboratory  
Has Operated  
820,200 Labor Hours  
Since  
Last Lost-Time Injury  
Through  
February 13



A GROUP OF ORSORT STUDENTS receive instructions on the features of the ten-year-old graphite reactor by a staff member of the Oak Ridge National Laboratory Operations Division. Tours of many reactors and engineering facilities of ORNL are part of the education provided these students.

### Civilians Invited To Witness 'Open Shot' Of Atomic Explosion at Nevada Test Site

An "open shot" of one of the 1955 spring test series of the atomic bomb explosions in Nevada will be observed by invited civilians. Civil defense exercises and demonstrations will be conducted jointly by the Federal Civil Defense Administration and private industry.

AEC Chairman Lewis L. Strauss and FCDA Administrator Val Peterson have announced that the open shot is scheduled tentatively for mid-April, and will be covered by the press and other media.

This project is the latest in a continuing study of civil effects of nuclear detonations, which has been part of the program at the Nevada Test Site since it was put into operation in 1951. Observers will be able to inspect some test structures before and after the shot. Approximately 250 civil defense volunteers and workers will participate in the civil defense field exercise. Aircraft of the Nevada Wing, Civil Air Patrol, will participate in several parts of the program.

#### Structures To Be Tested

Several residents and new types of shelters will be exposed to nuclear detonation. Steel and aluminum industrial buildings will be among those tested. Radio, television and electronic manufacturers are cooperating in an extensive test of commercial equipment.

There will be a comprehensive test of food. Utility installations such as electrical utilities, liquefied petroleum gas, and natural and manufactured gas will be tested.

Thermal tests will include the exposure of industrial equipment, metal and wood products, and textiles.

Administrator Peterson announced that the FCDA will invite State Governors as well as city and state civil defense officials and other observers to witness the exercise. News representatives of press, radio, television, and motion pictures will be invited jointly by the AEC and FCDA.

### ORSORT To Close Student Registration On March 14; Will Begin September 12

March 14 is the closing date for applications for the 1955-56 session of the Oak Ridge School of Reactor Technology. The session will begin on September 12, and application forms may be obtained from ORSORT, Post Office Box P, Oak Ridge, Tennessee. All applicants must have at least a bachelor's degree in chemistry, engineering, metallurgy, physics, or engineering-physics, and an outstanding academic record.

Graduates of ORSORT are now employed in many of the outstanding industrial organizations in the United States, as well as for the U. S. Atomic Energy Commission and the National Military Establishment. Approximately 40 of the alumni are engaged in research and development with the AEC Naval Reactor Branch, Bureau of Ships, and Electric Boat Company, which collaborated on the design and development of the "Nautilus."

The Dow Study Group at Detroit Edison, which is composed of a group of utilities combined to build a power reactor, has employed five of the graduates.

The Army "Package" Reactor

The Army has awarded a contract to design, build, and test operate a prototype "package" nuclear power plant for military use to the American Locomotive Company, which employs two of the ORSORT alumni. One graduate is manager of the Atomic Power Development program at Duquesne Light Company, which is building a breeder reactor. Approximately 25 of the alumni are employed in the Atomic Power Division of Westinghouse Electric Corporation, which is also working on a marine reactor.

### Erdman Will Speak At ASM, SNT Meet

On Tuesday, February 22, the Oak Ridge Chapters of the Society for Nondestructive Testing and the American Society for Metals will hear an address by Mr. Donald C. Erdman, Electro Circuits, Inc.

The meeting will be at 8 PM in the Lecture Room of the Oak

Ridge Institute of Nuclear Studies. The topic of Mr. Erdman's talk will be "Use of Remote Servo Controlled Ultrasonic Crystal Manipulator and New Developments on



D. C. Erdman

Ultrasonic Search Crystals." Mr. Erdman is a leading authority in the field of ultrasonic testing, having made numerous contributions toward developing this medium into a practical, modern, nondestructive test.

Mr. Erdman graduated from Pomona College, California, in 1938. After a year of graduate work and teaching, he became Research Physicist at ORNL.

### Mineralogy Society To Meet Wednesday

The Oak Ridge Mineralogy Society will meet Wednesday, February 23, at 8 PM in the ORNL

## Sixty years ago

### Taken from ORNL "The News" for Winter 1955

- A new Iodine 131 processing facility at ORNL began operating, producing large quantities of the radioisotope used in medical research, clinical treatment of thyroid disorders and in the industrial fields.
- The Atomic Energy Commission announced the development of the Homogeneous Reactor Experiment at ORNL.
- Former First Lady Eleanor Roosevelt visited ORNL and received a briefing at the Graphite Reactor. She also spoke at Oak Ridge High School on the topic "World Concepts of Communism."
- The American Museum of Atomic Energy celebrated its sixth anniversary.
- ORNL received authorization for design and construction of the Oak Ridge Research Reactor, planned to operate at five megawatts.—prepared by ORNL History Room volunteers

## 2009 UT-Battelle Scholar Jeremy Buckles pursuing a career in meteorology



Jeremy Buckles during a visit to the Great Smoky Mountains to record information about northwest snowfall events.



Jeremy and Kelsey Buckles on their honeymoon in June 2013 in Hawaii.

Jeremy Buckles, the 2009 UT-Battelle Scholar, is quickly approaching earning his master's degree in meteorology from Mississippi State University.

If all goes according to plan, he will finish his degree work this summer and land a job in his chosen field. Jeremy is currently interning at the National Weather Service Office in Morristown.

While Jeremy earned a bachelor's degree in meteorology at Mississippi State, his college career started in 2009 at the University of Tennessee where he took all of the courses he could fit into his academic program before transferring to Mississippi State.

"My passion was meteorology and I took all of the math, science and engineering courses available at UT over two and a half years before I had to transfer to Mississippi State to finish my meteorology degree," Jeremy, 24, said in December as he was finishing an internship in ORNL's Environmental Protection Services Division. "UT does not offer a meteorology degree. There are a number of meteorologists, including some in Knoxville, who graduated with their degrees from Mississippi State after starting elsewhere."

Jeremy said the UT-Battelle Scholarship was vital in reaching his ultimate goal.

"The science classes I took at UT gave me the strong foundation I needed to go onto the next level," said Jeremy, who along with his wife Kelsey – a first grade teacher at Knoxville's Westview Elementary School – lives in Lenoir City.

As a UT student, Jeremy was actively involved in student government as he served on a committee that was a liaison to state government regarding education issues. He also began to interact with all of the Knoxville TV meteorologists.

"I did a lot with Matt Hinkin and Ken Weathers at Channel 6 and they were especially helpful in providing me guidance," said Jeremy, the son of Keith and Betty Buckles of Lenoir City. Keith Buckles works in ORNL's Integrated Operations Support Division.

While the first thought of meteorologists may be the folks you see delivering the forecasts on TV, Jeremy noted there is more to the field than standing before the camera on a newscast.

"The diversity includes not only broadcasting, but climate research, local forecasting, operations and environmental science to name a few," Jeremy said.

Adding to his meteorology pursuits, Jeremy's UT student government activities with education provided motivation for him to seek and win election in 2013 to a seat on the Loudon County Board of Education.

"You can say my interest in public affairs started working on the education liaison committee at UT," Jeremy said.—Fred Strobl 🌱

## ORNL retirees invited to join CORRE

ORNL retirees are invited to join the Coalition of Oak Ridge Retired Employees (CORRE), which represents more than 13,000 retirees of the managing contractors of DOE facilities in Oak Ridge.

CORRE consists of retirees and surviving spouses, operated by volunteers and managed by a board of directors. The board meets at 10 a.m. the third Wednesday of each month at the Oak Ridge Senior Center, 726 Emory Valley Road, Oak Ridge.

Persons interested in joining CORRE should provide their full name, postal and email addresses, phone number, where they heard about CORRE, which plant they are retired from and email the information to Judy Kibbe, [correcommdir@comcast.net](mailto:correcommdir@comcast.net).

More information is available at <http://corre.info/>. 🌱



## From the Lab Director

We've begun 2015 with two major announcements and reason for optimism in the President's proposed budget for FY 2016.

**Presidential visit.** The January visit by President Obama and Vice President Biden was remarkable. It's rare for both the President and Vice President to appear, and we should be proud that ORNL was part of the day's events.

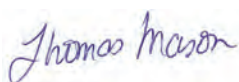
The President used the visit to Techmer PM in Clinton to announce the Institute for Advanced Composites Manufacturing Innovation (IACMI), a partnership between ORNL, the University of Tennessee, the National Renewable Energy Laboratory and more than 100 partners from industry and academia. The shiny blue 3-D printed Shelby Cobra, fabricated and assembled at our Manufacturing Demonstration Facility (MDF), provided a huge photo op and underscored the emerging capabilities of an important industrial technology. Lonnie Love did a tremendous job explaining the car and composites concepts to the President (and preventing Vice President Biden from zipping away in the car). Congratulations to the ORNL team who helped bring the winning IACMI proposal to fruition, particularly to Craig Blue, who is CEO of the partnership. The Cobra went on to the Detroit Auto Show and continues to be displayed throughout the nation.

**CASL.** At the end of January, we received the very good news that DOE will extend the Consortium for Advanced Simulation of Light Water Reactors (CASL) for another five years. CASL, with its development of the Virtual Environment for Reactor Applications, or VERA, is a notably successful realization of the Energy Innovation Hub concept. In its second five years CASL may see an expansion in the scope of its modeling and simulation from its current focus on pressurized water reactors to the somewhat more complex boiling water reactors and pressurized water-based small modular reactors.

**FY16 budget.** President Obama followed up on his remarks during the Tennessee visit with an FY 2016 budget request that includes increases in funding for DOE research. Highlights for ORNL include support for exascale computing and advanced manufacturing, both strong suits for the Lab, as well as infrastructure funding for facilities improvements. Of course, the initial Administration request is just that, a request, and the eventual outcome could look very different. We've worked hard to align our Laboratory Agenda with the nation's research priorities, which leaves me cautiously optimistic for the next fiscal year.

**Corporate Fellows Council.** Virginia Dale has been chosen by her Corporate Fellow associates to chair the group. Virginia, a senior researcher in the Environmental Sciences Division and leader of the Landscape Ecology and Regional Analysis group, has been a Corporate Fellow since 2002. She also directs the ORNL Center for BioEnergy Sustainability. She succeeds Amit Goyal, who has accepted a position as head of a new institute at the State University of New York at Buffalo. The Center for Nanophase Materials Sciences' Bobby Sumpter will serve as Council co-chair.

In December, we learned with great sadness of the death of Tim Myrick following a courageous battle with cancer. It would be hard to overstate Tim's influence on ORNL and the community. He was a central player in the Lab's modernization after UT-Battelle arrived as contractor in 2000. Tim also accepted a major role in steering the renovation of Oak Ridge High School, which UT-Battelle championed. In the community, Tim and his wife, Teresa, contributed countless hours and resources to causes that included housing for low-income citizens, emergency assistance and clean water resources. The Lab and the community have lost a beloved citizen, but he leaves an example of selflessness and service we should all strive to follow.



Thom Mason



*The House that Love Built, a Habitat for Humanity of Anderson County home in honor of the late Tim Myrick and his wife, Teresa, was recently completed in Heiskell. The Myricks were involved with every Habitat for Humanity house in Anderson County since its inception in 1992. (Photo by Jason Richards)*

*Reporter* is published for retirees of ORNL, which is managed by UT-Battelle for the U.S. Department of Energy.

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## Girl Scouts CEO visits ORNL

**Girl Scouts of the USA Chief Executive Officer Anna Maria Chavez visited ORNL Jan. 30** to learn about its efforts on behalf of science, technology, engineering and math education (STEM) programs and how they can be incorporated into the Girl Scouts national program. “We’ve actually always been focused on science and math with girls and Girl Scouts from the earliest days when our founder, Juliette Gordon Low, was teaching girls about science activities,” Chavez said. “Today, it is important for girls to see role models in the STEM fields because girls can’t be what they can’t see.” Chavez met with ORNL Director Thom Mason, Debbie Stairs, ORNL’s director of Human Resources; Michelle Buchanan, associate lab director for Physical Sciences; Gail Lewis, UT-Battelle chief audit executive; Leigha Edwards, Protocol and Community Relations manager; and Suzanne Parete-Koon of the Center for Computational Sciences. She also received a tour of the Historic Graphite Reactor conducted by Barbara Penland of Communications. 🌱



*Anna Maria Chavez, middle, chief executive officer of the Girl Scouts USA, visits the National Center for Computational Sciences at ORNL Jan. 30 with two local Girl Scouts. (Photo by Carlos Jones)*