Argonne NATIONAL LABORATORY

News

MON JANUARY 29 2007

VOLUME 60, NO. 2

# New magnetic polymers may advance spintronics technologies

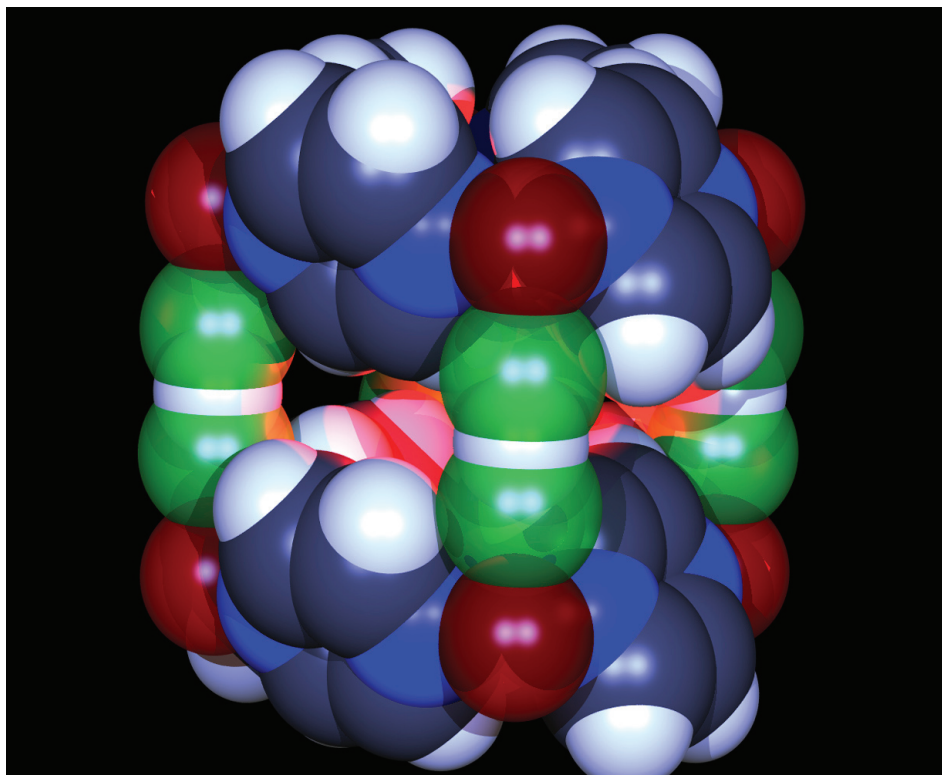
ARGONNE researchers have pioneered a new approach for making magnetic polymers that are held together with very strong hydrogen bonds. These polymers contain an innovative bifluoride, $HF_2$, building block that allows a magnetically ordered state to be obtained. The development may help lead to new techniques for faster and more versatile computer chips, among other applications.

The research was reported in the Dec. 21 issue of *Chemical Communications* and is featured on the cover of the journal.

The research examines the role of hydrogen bonds in designing the structure of molecular materials. "Nature uses hydrogen bonds to do all kinds of things, including holding the DNA double helix together, and is important in a wide range of biological processes," said John Schlueter (MSD), Argonne chemist and an author of the research paper. "When making molecular materials, strong bonds are needed to fabricate the molecular building blocks. Weaker bonds, including hydrogen bonds, act as the glue to hold the blocks together." It's this phenomenon that allowed the creation of the first fully organic superconductor, discovered at Argonne a decade ago.

The magnetic polymer, which forms as beautiful deep blue crystals, is produced when copper ions bind to pyrazine molecules, creating a sheet-like structure. Like a Tinkertoy® building block, the bifluoride ion acts as a bridge to hold the planes together. The product is a three-dimensional coordination polymer, which forms through very mild synthetic conditions.

The exceptionally simple structure is held together by one of the strongest hydrogen bonds known, making this a very thermally stable material. Each copper ion, which sits at the corner of a molecular cube, contains one unpaired electron. These spins are disordered at normal temperatures, a state known as paramagnetism; however, the spins begin to align in opposite directions as the temperature drops, creating a magnetic state called antiferromagnetism.



A magnetic polymer is produced when copper ions bind to pyrazine molecules creating a sheet-like structure, shown in the blue-purple crystals. Like a Tinkertoy® building block, the bifluoride ion, shown in green, acts as a bridge to hold the planes together. The product is a three-dimensional coordination polymer, held together by one of the strongest hydrogen bonds known, making this a very thermally stable material.

This work has demonstrated for the first time that this innovative molecular building block can be rationally incorporated into molecular frameworks under mild synthetic conditions and that magnetic superexchange can indeed be mediated through hydrogen bonding. One next step, Schlueter said, is to change the spacing between the layers of the compound to see what impact that has on the nature of the bond and how that affects the magnetic properties of the material.

Schlueter is interested in making

(See "Polymers," page 3)

## Strategic initiatives to be discussed

LABORATORY Director Bob Rosner and Chief Scientist Michael Turner will host a gathering of all interested Argonne researchers to hear about and discuss Argonne's current and future strategic initiative areas. The meeting will be held in the Building 402 Auditorium from 2-5 p.m. Thursday, Feb. 1.

This event is meant to kick off planning for fiscal year 2008 strategic laboratory-directed research and development (LDRD) initiatives.

The meeting will include Rosner's perspective on strategic LDRD, Turner's overview of the FY08 process, a look at current initiatives and open discussion on the current initiatives and past processes. The meeting will conclude with a brief summary of suggestions for potential new initiative directions received from Argonne staff by associate laboratory directors.

The meeting is open to all Argonne scientific and technical staff whose schedules permit. ■

(See related story on page 2.)

## Altenberg Trio tickets available

TICKETS for the Feb. 10 performance by the Altenberg Trio Vienna will be available in the Building 213 Cafeteria the week of Feb. 5 between noon and 1 p.m.

The trio will perform at Argonne's Building 402 Conference Center Saturday, Feb. 10, at 8 p.m. The program includes selections by Beethoven, Mozart and Brahms. Admission is $25.

One of the few full-time piano trios in the world of chamber music, the Altenberg Trio Vienna has earned the reputation of one of the most daring and consistent ensembles in this category.

The concert is open to the public. Visitors who are U.S. citizens need photo identification to enter the site, and should call to register before the concert. Non-U.S. citizens must register before the event by calling (630) 252-3751 during business hours.

Tickets can also be ordered by phone at ext. 2-3751 or by mailing a request using the online ticket request form.

Arts at Argonne will hold two more concerts in its 2006 - 2007 chamber music series:

- Stephen Marchionda, guitar, will perform Saturday, March 17
- Tapestry, vocal ensemble, will perform Saturday, May 12. ■

www.anl.gov/ARTS/upcoming.html

## 'Nubian Odyssey' dance performance to mark Black History Month

Emerson Dance Alliance

ARGONNE'S African-American/Black Club and the Diversity Program Office will sponsor a performance by the Emerson Dance Alliance to commemorate Black History Month. The dance company will perform "A Nubian Odyssey — A Journey of Dance from Africa to America" Friday, Feb. 2, at noon in the Building 402 Auditorium.

The Emerson Dance Alliance is a not-for-profit pre-professional company of talented dancers from the Emerson School for the Visual and Performing Arts in Gary, Ind. The dancers range in age from 12-18 and are led by company artistic director Larry Brewer. Each year, a number of Emerson dancers perform with the Alvin Ailey School in New York City, the Debbie Allen Academy in Los Angeles, Ballet Chicago and Deeply Rooted in Chicago.

The Emerson Dance Alliance has performed throughout Indiana and the Chicago area. They have performed at Valparaiso University, Saint Xavier University and on Indiana University's Bloomington campus. In addition, they have performed for three years at Taste of Chicago. Honors include gold and silver awards for two years in the New York City Dance Alliance national championship competition. Additional awards include five Indiana High School Dance Team Association state championships. ■

### AFRICAN-AMERICAN/BLACK CLUB TO HOST ART AND CULTURAL EXHIBIT

Argonne's African-American/Black Club will present its third annual Art & Cultural Exhibit Thursday, Feb. 8, and Friday, Feb. 9, in the Building 213 Cafeteria Lobby at lunchtime.

The exhibit will feature art from the Cynthia J. Reed Gallery. Various artists will display African dolls, sterling silver, African clothing and body products, and Annie Lee artwork and collectibles.

UChicago ▶ Argonne LLC

Office of Science U.S. DEPARTMENT OF ENERGY

INSIDE ■ NEW DIRECTORS NAMED ■ AMS EFFORTS UNDER WAY ■ SHA HONORED ■ CHILD CENTER PLANS KINDERGARTEN INFORMATION SESSION

## Team reviews LDRD program, submits recommendations

THE Laboratory Directed Research and Development (LDRD) Process Improvement Team recently presented the results of its review of Argonne's LDRD program to Laboratory Director Robert Rosner. The team was chartered by Rosner last February to suggest ways to improve the laboratory's ability to demonstrate that its LDRD management process is robust and to identify ways to increase administrative efficiency.

The LDRD program gives the directors of the U.S. Department of Energy multiprogram national laboratories the authority to use overhead funds to support research projects that open new opportunities for the DOE programs and the nation while enhancing laboratory capabilities. It is the only source of discretionary research funding available to the laboratory.

As a discretionary program, it tends to be the subject of frequent, detailed reviews by various bodies with oversight responsibilities, including DOE's inspector general, the Government Accounting Office and congressional committees. The laboratory is responsible for insuring that the processes for managing the LDRD program keep pace with the needs and requirements of those oversight bodies. The team looked at three stages of the LDRD annual cycle: project selection, monitoring of R&D project performance and evaluating outcomes. The team's draft report included 20 recommendations; many of these recommendations are already being implemented. Improvements will be described at the LDRD Web site (*www.anl.gov/LDRD*). ■

The Laboratory Directed Research and Development (LDRD) Process Improvement Team recently presented the results of its review of Argonne's LDRD program to Laboratory Director Robert Rosner. Seated, from left to right, are Dennis Mills (SUF), Rosner, Elton Kaufmann (OTD) and Judith Reedy (OTD). Standing, left to right, are Craig Swietlik (DIS), Mary Ellen Hennebry (AST), Philip Laible (BIO), Michael Turner (OTD), Larry Johnson (AST), Stuart Rice (OTD), George Srajer (XSD) and Hendrik (Harry) Weerts (HEP). Not shown: John Hyzer (HR). *Photo by George Joch.*

## Clark named director of Nuclear Operations Division

Clark

PAUL Clark has been appointed director of Argonne's Nuclear Operations Division (NOD). Clark has been serving as senior advisor to the interim director since March 2006.

As director of Argonne's Nuclear Operations Division, Clark directs the operation of the nuclear facilities, the waste management program and the on-site decontamination and decommissioning program. Clark provides technical support for Argonne facilities in the areas of nuclear safety, criticality safety, procedures and training.

"Addressing nuclear safety and operations compliance issues at Argonne has been and will continue to be challenging," Clark said. "The personnel in the Nuclear Operations Division have the drive and attitude for success. However, it is important to understand that this must be a laboratory effort."

Clark began his career in the Navy Nuclear Power Program, where he served for 20 years until his retirement in 1992. Upon retirement, Clark joined EG&G at the Rocky Flats Environmental Technology Site as maintenance planning manager where he was involved in operations, maintenance and special nuclear material (SNM) shipping. Clark then joined Los Alamos Technical Associates where he served as technical support manager and SNM shipping program manager for the removal of all weapons components from the site in support of site closure.

In 2002, Clark took the position of senior project manager with BWXT, where he provided operations and oversight support at BWXT sites throughout the U.S. Department of Energy. He served as deputy site manager for operations in Miamisburg, Ohio, and then as the project manager for decontamination and NRC license termination for a BWXT nuclear fuels research facility. Clark also served as senior advisor to the director of the Non-Reactor Nuclear Facilities Division at Oak Ridge National Laboratory. He was then named general manager of the BWXT Services Oak Ridge Operations Office, where he continued to support BWXT operations and oversight at Los Alamos National Laboratory and the Advanced Mixed Waste Treatment Facility in Idaho.

Clark is currently relocating to the Chicago area from Loudon, Tenn., where he also volunteers as a construction supervisor for Habitat for Humanity. ■

## Schmitt named director of Human Resources

Schmitt

DON Schmitt has been named the director of Argonne's Human Resources Division (HR).

Schmitt is responsible for developing, implementing and maintaining policies and programs that support the work force dedicated to advancing the frontiers of knowledge in science and engineering. Schmitt manages a wide range of organizational functions, including employment and placement, compensation, benefits, employee and labor relations, employee education and development, diversity initiatives and health services.

"We want this laboratory to maintain its high standing in the scientific community and be on the cutting edge of scientific discovery and application," Schmitt said. "To achieve this, we must continue to attract and retain the best and brightest scientists and engineers. It is important that we offer a competitive compensation and benefit package, have effective policies and procedures, and provide a worker-friendly environment that allows all employees to succeed to the best of their ability.

"In my new position I expect to be faced with diverse and complex challenges," he added. "However, I have the good fortune of inheriting a strong, professional human resources staff with a terrific knowledge and experience base. I am confident this will serve us well in delivering high-quality HR services to the laboratory."

Schmitt joined Argonne in 1989 after working as a labor economist with the U.S. Department of Labor in both Washington, D.C., and Chicago. In that role, he led major national surveys on employee compensation and benefits and authored several articles in *Monthly Labor Review*.

Over the past five years, Schmitt has served as Argonne's deputy chief operations officer and has been the laboratory's prime liaison with DOE in performance management, DOE directives management and laboratory policy. Schmitt has served on numerous lab-wide committees, including Operations Security, the Information Technology Policy Board and the Programmatic Administrative Coordinators Team. He is a member of the International Foundation of Employee Benefits Plans. ■

## Argonne's Bill Shack to chair NRC advisory committee

ARGONNE senior engineer William J. Shack has been named chairman of the U.S. Nuclear Regulatory Commission's Advisory Committee on Reactor Safeguards (ACRS).

The advisory committee was established by an act of Congress and provides advice to the commissioners independently from the NRC staff on the safety and safeguards aspects of nuclear facilities and the adequacy of safety standards.

Shack is research program director in Argonne's Nuclear Engineering Division. He joined the Argonne staff in 1975, after receiving his bachelor's degree in civil engineering from the Massachusetts Institute of Technology, and a master's degree and doctorate in applied mechanics from the University of California at Berkeley. Previously, Shack was an associate professor in the Mechanical Engineering Department at MIT. His work has included measurement and modeling of residual stresses, fracture mechanics analyses of stress corrosion crack growth, assessment of leak-before-break behavior in piping systems, and fatigue of reactor materials. He has been a member of the ACRS since 1993.

"We are extremely happy and proud that Bill was recognized with this distinction," said Hussein Khalil, director of Argonne's Nuclear Engineering Division. "It's a testament to his expertise, judgment and stature in the field of nuclear reactor safety. Argonne has been very fortunate to have a person of Bill's caliber leading our light water reactor safety research." ■

## Nominees sought year-round for Argonne safety awards

BY ANDREA CIPRIANI

SEVERAL times a year, Argonne honors employees for safety contributions and achievements above and beyond their normal job duties and requirements with Quality and Safety Recognition (QASR) awards and Pacesetter awards.

The QASR award is given to employees who provide a significant contribution to the improvement of Argonne safety and quality. Typically, one or two people per month receive the award. Employees who receive the QASR award receive a certificate, lunch tickets to the Argonne Guest House or the Building 213 Cafeteria and recognition at a Management Council meeting. Names of the award recipients will be added to a plaque honoring all QASR Award winners.

The Pacesetter Award recognizes specific performance efforts or achievements that significantly exceed an employee's position or job assignment. Awards are given for safety initiatives, innovation, discovery, extraordinary effort, program development, peer recognition or significant cost reduction. Pacesetters include a plaque and monetary award.

Any employee can submit a nomination for a either award. Nominations for QASR awards can be sent directly to EQO Director Bob McCook at *mccook@anl.gov*. Nomination forms (ANL-594) for Pacesetter awards are available at *www.aim.anl.gov/forms/* or from Human Resources. ■

Argonne NATIONAL LABORATORY

*Argonne News* is published bi-weekly for Argonne employees by Communications and Public Affairs. ■ Send news items to Editor Dave Jacqué, Building 201, Room 261 (C&PA-201). Voice: ext. 2-5582. Fax: ext. 2-5274. E-mail: *info@anl.gov*. ■ Send seminar listings to Editorial Specialist Jessie Skwarek, Building 201, Room 2U-07. Voice: ext. 2-5545. Fax: ext. 2-5274. E-mail: *jskwarek@anl.gov*. ■ Submit classified ads online at *www.anl.gov/Media_Center/Argonne_News/Classified_Ads* ■ Deadline for all materials is 5 p.m. Friday. ■ Argonne National Laboratory is managed by UChicago Argonne, LLC for the U.S. Department of Energy.

## Argonne Management System efforts are under way

**BO ARNOLD,** associate laboratory director for operations and business management

LABORATORY management remains firmly committed to continuous improvement in all aspects of laboratory performance and operations. This was reaffirmed in our proposal to the U.S. Department of Energy for this new operating contract where we pledged to improve our management system by employing ISO principles and becoming ISO registered.

ISO 9000 and ISO 14000 are the global common language for quality and environmental management, respectively. Their principles provide the foundation of our new Argonne Management System (AMS) implementation.

Efforts have begun to evaluate our existing procedures for incorporation into the AMS model. Revisions will be made as necessary and simplifications are encouraged. I am counting on everyone to make sure our implementation makes sense.

Two representatives have been chosen from each ALDship to become educated and deployed as lead AMS assessors / implementers. Please join me in supporting Yeldez Amer, Tom Barsz, Greg Borland, Tom Ewing, Jerry Hunt, Ed Jedlicka, Dave Kupperman, Pat Moonier, Jug Uppal and Tom Wolsko in this important role.

More information will be forthcoming in many graphic and text forms as we proceed. I'm confident each of you will pay close attention to this information and support Argonne's success in this important initiative. ■

## AMS steering committee reviews ISO registrar selection, training

A subset of the Argonne Management Systems (AMS) Steering Committee, comprising Argonne Director Bob Rosner, Deputy Laboratory Director Don Joyce and associate laboratory directors Al Sattelberger, Murray Gibson and Bo Arnold, met Jan. 16 for an overview of progress on alignment to ISO 9000 and ISO 14000 standards across the laboratory.

Two representatives from each associate laboratory director office underwent intensive training in ISO interpretation and applicability.

"AMS representatives will provide a focus within each ALDship and interface with the technical and support divisions," said Sattelberger. These representatives will identify documentation from across the laboratory to help pinpoint gaps and redundancies that currently exist. The first area of focus will be EQO.

The committee also discussed the process of selecting the objective registrar. A registrar is an internationally accredited and recognized independent audit group. This team of experts will conduct a detailed review and analysis of Argonne's management and environmental practices and documentation to determine if ISO certification has been earned. Certification is secondary to the goal of improving Argonne's management systems.

The AMS program will improve the laboratory's processes, efficiency and productivity and achieve ISO 9000 and ISO 14000 certification, which will recognize that the laboratory adheres to an internationally recognized set of effective business and environmental standards. The AMS program will involve nearly all employees at the laboratory through an evaluation of processes, documentation and working relationships.

A Web site with frequently asked questions is under development. AMS coordinator Matt Lindsay (EQO) can be reached at *ams@anl.gov*. ■

This group, comprising a pair of representatives from each associate laboratory directorship, underwent an intensive, week-long training course in ISO interpretation and applicability. These Argonne Management System representatives will provide a focus within each ALDship and interface with the technical and support divisions. Seated, from left to right, are Ed Jedlicka (MCS), trainer Russ Ziebell and Pat Moonier (COO). Standing, left to right, are Tom Ewing (NE), AMS documents coordinator Walt Bird (EQO), Jerry Hunt (CHM), Greg Borland (BIO), Tom Barsz (AES), Tom Wolsko (DIS), Jug Uppal (FMS) and David Kupperman (DEP). Not pictured: Yeldez Amer (AES). *Photos by Dave Jacqué.*

### LIBRARY ACQUIRES ISO 9000 MATERIALS

The Argonne Research Library recently purchased several books dealing with ISO 9000 as well as a subscription to the official ISO 9000 family of standards. The list of ISO 9000 book titles as well as directions for linking to the ISO 9000 standards is available on the library Web site at *www.aim.anl.gov*. To request a book, click on the individual book title to link to the library catalog and select "Submit Request."

## Colloquium to focus on mathematics and light

Sir Michael Berry of the Department of Physics, University of Bristol, will present "Making Light of Mathematics" at a Director's Special Colloquium Monday, Feb. 19, at 10 a.m. in the Building 402 Conference Center.

Berry will discuss the many mathematical phenomena that find application and sometimes spectacular physical illustration in the physics of light. Concepts such as fractals, catastrophe theory, knots, infinity and zero are needed to understand rainbows, sparkling seas, oriental magic mirrors, and simple experiments on interference, polarization and focusing. Berry's presentation will include many visuals.

Berry is professor of Physics at Bristol University. He holds many honors, including the Paul Dirac Medal and prize of the Institute of Physics, the Maxwell Medal and Prize of the Institute of Physics, the Wolf Prize in Physics, and the Chancellor's Medal of the University of Bristol.

All employees whose schedules permit are invited to attend the lecture. ■

## Polymers

**(Continued from page 1)**

hybrid materials by inserting magnetic layers between the conducting sheets to form a simple spintronic device. Spintronics, also known as spin electronics, is an emerging technology that looks to develop devices that exploit the quirky world of quantum physics, or physics at the incredibly small atomic level, particularly the up-or-down spin property of electrons. While conventional electronics use the charge of the electron, spintronic devices would use both the spin and charge, achieving vastly superior performance.

Schlueter did the research in collaboration with a former Argonne postdoctoral researcher, Jamie Manson, who is now at Eastern Washington University, and with colleagues at Oxford University, the High Field Magnet Laboratory in Dresden, Germany, and North Carolina State University.

This research was funded by DOE's Office of Science, Office of Basic Energy Sciences' Division of Materials Sciences and Engineering. ■

## Sha honored for excellence in nuclear research

WILLIAM Sha (ET-retired) has won the 2006 Seaborg Medal of the American Nuclear Society, which recognizes outstanding, long-term excellence in scientific or engineering research contributions to the development of peaceful uses of nuclear energy.

His citation read: "For outstanding contributions in understanding multi-dimensional phenomena of natural circulation and fluid stratification in reactor components and systems during normal and off-normal operating conditions." An engraved medal was presented at the society's winter meeting.

Sha served at Argonne for more than 30 years, most recently as a senior nuclear scientist and director of the laboratory's Analytic Thermal Hydraulic Research Program and Multiphase Flow Research Institute. He retired from Argonne in 1997. ■

William Sha (ET-retired), at left, receives the American Nuclear Society's Seaborg Medal from Honors and Awards Committee Chair M. Jack Ohanian. The medal recognizes Sha's long-term individual excellence in nuclear research. Image courtesy ANS.

## Lu named fellow of American Physical Society

Lu

ARGONNE physicist and University of Chicago professor Zheng-Tian Lu (PHY) has been elected a fellow of the American Physical Society. The honor recognizes his development of an ultra-sensitive trace analysis technique and its applications to radiokrypton dating and fundamental physics research.

Atom Trap Trace Analysis is able to detect single atoms in a large sample. The technology holds promise for advancing the state of the art in many fields, from nuclear safeguards to Earth climate studies. The technique has been used to determine, for the first time, the age and direction of movement of water in one of the largest underground aquifers in the world. It has also been used to measure the charge radii of short-lived nuclei.

In 2000, Lu won the U.S. Presidential Early Career Award for Scientists and Engineers and the DOE Office of Science Early Career Scientist and Engineer Award.

Lu is a member of the American Physical Society and of the Overseas Chinese Physics Association. His research interests include ultrasensitive trace-isotope analysis, low-energy tests of the Standard Model and laser spectroscopy of exotic atoms. ■

# Child Center plans kindergarten information session

THE Argonne Child Development Center will host a Kindergarten Round Up program for fall 2007 Tuesday, Jan. 30, from 6-7 p.m. in Argonne's Building 951. Tonya Morris, center director, and Emily Tully, kindergarten teacher, will present information on the kindergarten program, which began at the center last August.

Children of Argonne, DOE and University of Chicago employees are eligible to enroll. Children need not be previous students of the center and must be five years old by Sept. 1. The program runs daily from 9 a.m. to 5 p.m. and is held in Building 951. which was remodeled last spring to accommodate the young students.

"We are very excited about our kindergarten program," said Morris. "We have made a very strong start this year and believe it will be a great ongoing benefit for Argonne families."

At the Round Up program, Morris and Tully will talk to parents about all aspects of kindergarten including the annual calendar, the daily class schedule and curriculum content. Areas of study will include literacy, math, science exploration, and reading and language. There also will be enrichment activities such as cooking, music and art.

The program is based on State of Illinois kindergarten standards, Morris said. Also, teachers will make sure that center students meet the first-grade requirements of their particular school district when the school year ends.

"By participating in a full-day rather than a half-day kindergarten, the children are getting a greater opportunity for extended learning," Morris said. "Plus it combines education and before- and after-school care so there is no worry for parents about midday transportation."

At the Jan. 30 program, Morris will also present a cost analysis of kindergarten and after-school programs at area school districts and other local private schools compared to the Argonne program. Tuition at the Argonne center will be approximately $195 per week, which includes snacks and lunch plus before- and after-school care.

Morris said a minimum of seven students is needed to go forward with the program. The class can accommodate up to 20 students. The small teacher-to-child ratio allows greater opportunity for one-on-one instruction and attention to children's individual needs.

Registration for the round up meeting is not necessary, but is encouraged for set-up purposes. To register, call the child care center at ext. 2-9601, or respond by e-mail to *tmorris@anl.gov*. ■

## ARGONNE CHORAL GROUP INVITES NEW MEMBERS FOR SPRING CONCERT

The Argonne Choral Group is seeking new singers of any experience level for the spring concert in May. The group plans to sing several musical selections, including a "Phantom of the Opera" medley. Rehearsals will be held Mondays and Thursdays from 11:45 a.m. to 12:30 p.m. beginning Monday, Jan. 29.

The Argonne Choral Group will now perform year-round. Anyone interested in joining the group, or who would like more information, should contact Katie Weber (NOD-WMO) at ext. 2-1891 or Pat Garner (NE) at ext. 2-4872.

## CALL TO RESERVE CAFETERIA LOBBY

Employees wishing to reserve the Building 213 Cafeteria Lobby for displays, exhibits and other activities should call Cafeteria Manager Kristie Atkinson at ext. 2-5225. There is no charge to reserve the space, but notifying Atkinson will prevent conflicts and potential overcrowding in the lobby.

## FIDELITY TO OFFER TURBO TAX DISCOUNT

Fidelity Investments is again making Turbo Tax, available for completing 2006 federal and state tax returns through its Web site. The application allows users to prepare and file federal income taxes online and save 35 percent on TurboTax®.

Employees do not have to be Fidelity participants to take advantage of Turbo Tax through Fidelity.

More information is online, or contact Fidelity Investments at 1-800-343-0860.

**http://personal.fidelity.com/planning/tax**

## PHONE SEMINAR TO PROVIDE GUIDE TO EMPLOYEE ASSISTANCE PROGRAM

CIGNA's Behavioral Health Employee Assistance Plan will present a one-hour telephone wellness seminar, "Manager's Guide to the Employee Assistance Program," Wednesday, Jan. 31, at 1 p.m.

Pre-register online at least 48 hours before the conference. The confirmation code is 4344231.

For more information, call ext. 2-2803.

## METLIFE REPRESENTATIVE AVAILABLE FOR ONE-ON-ONE MEETINGS

A representative from MetLife Auto & Home will visit Argonne Tuesday, Feb. 13, to meet with individual employees for insurance comparisons and quotes for the "METPAY" group automobile and homeowners insurance program.

To schedule an appointment, call Craig Riddick at (630) 810-0346, ext. 143. Employees can also receive a quote over the phone by calling 1-800-438-6388.

## UNIVERSITY OF CHICAGO TO OFFER MASTERS PROGRAM

The University of Chicago Computer Science Professional Program will offer a one-year masters program designed for both technology professionals and those with limited computing experience.

The Computer Science Professional Program will host an information session Tuesday, March 27, at 6 p.m. at The University of Chicago's Gleacher Center, located at 450 North Cityfront Plaza Drive, Chicago.

Classes are held in the evenings and the program can be completed on a full-time or part-time basis. For more information, visit *http://masters.cs.uchicago.edu*, call (773) 834-3388 or e-mail *cspp.director@cs.uchicago.edu*.

## ARGONNE NEWS PUBLISHING SCHEDULE 2007

Argonne News will be published on these dates for the first half of 2007.

| *Publication Date* | *Deadline (12 Noon)* |
|---|---|
| Monday, 2/12 | Friday, 2/2 |
| Monday, 2/26 | Friday, 2/16 |
| Monday, 3/12 | Friday, 3/2 |
| Monday, 3/26 | Friday, 3/16 |
| Monday, 4/9 | Friday, 3/30 |
| Monday, 4/23 | Friday, 4/13 |
| Monday, 5/14 | Friday, 5/4 |
| Tuesday, 5/29 | Friday, 5/18 |
| Monday, 6/11 | Friday, 6/1 |
| Monday, 6/25 | Friday, 6/15 |

## IN MEMORIAM

**MASAO ATOJI**, a retired senior chemist with 21 years of service in CHM, died Nov. 20. His wife, Iris, survives him.

**THOMAS BRAID**, a retired physicist with 36 years of service in RE, died Nov. 29. His sons, Ralph and Donald, survive him.

**T. C. CHAWLA**, a retired nuclear engineer with 33 years of service in RAS, died Jan. 3. His wife, Carolyn, survives him.

**M. JEAN CHMIELEWSKI**, a retired administrative secretary with 32 years of service in ES, died Dec. 12. Her nephew, Robert Kulpinski, survives her.

**GEORGE HENKES**, a retired senior motion picture specialist with 24 years of service in OPA, died Nov. 27. His wife, Dolores, survives him.

**WALTER KASPIC**, a retired mechanical engineer with 18 years of service in FO-AW, died Dec. 6. He is survived by Delores Kaspic.

**SHIRLEY V. LINDENBAUM**, a retired administrative aide with 29 years of service in BEM, died Jan. 4.

**FRED O. PANCNER**, a retired associate plant engineer with 38 years of service in PFS, died Nov. 29. His wife, Lois, survives him.

**JOSEPH C. REIN**, a retired instrument maker with 19 years of service in SSD/CS, died Nov. 25. His daughter, Barbara Sucich, survives him.

**JOHN REMSBURG**, a retired engineering specialist with 30 years of service in EBR, died Nov. 27. His wife, Doris, survives him.

**ROBERT REMSBURG**, a retired chief technician II with 19 years of service in EBR-II, died Nov. 14. His daughter, Mary Clayden, survives him.

**MICHAEL SLAZAS**, a retired labor group leader with 18 years of service in PO, died Dec. 8. His niece, Mary Jawgiel, survives him.

**THE CLASSIFIED ADS were not available when this issue was prepared. They will be posted on *Inside Argonne*.**
**www.inside.anl.gov**

## SERVICE AWARDS FOR JANUARY:

**40 YEARS**
Lawrence Donley (IPNS)

**35 YEARS**
Brenda Pruitte-Deal (EVS)

**30 YEARS**
Paul Betten (OTT), Carolyn Edmonson (CMT), Paul Rickert (CHM), Jack VanKuiken (DIS)

**25 YEARS**
Mary Westbrook (AES), Patricia Whitlock (OCF), Linda Winkler (MCS)

**20 YEARS**
Shih-Yew Chen (EVS), Paul Doskey (EVS), Kathleen Carrado Gregar (CNM), Karen Liptak (HR), Kimberly McAllister (FMS)

**15 YEARS**
Donald Dunning (EVS), James Frank (ES), Clarita Guajardo (CIS), Gary Redman (NOD), John Smith (FMS), Laura Wilewski (FMS)

**10 YEARS**
Ruben Khachatryan (XSD)

**5 YEARS**
Gwendolyn Allen-Morrison (FMS), Gyorgy Babnigg (BIO), Susan Fischer (PHY), Paul Fuoss (MSD), Byron Jordan, Jr. (ASD), Matthew Kasa (ASD), Anthony Levand (PHY), Shiu Moy (BIO), Frank Siebenlist (MCS)

## RETIREES

**WILLIAM J. KARRIS** (FMS-US) retired Dec. 20 with 15 years of service.

**PAUL H. ROEDER** (CIS) retired Jan. 12 with 31 years of service.

**JAMES G. SLEETH** (TSD) retired Jan. 2 with 18 years of service.

**SANDRA TOLLAKSEN** (BIO) retired Jan. 3 with 39 years of service.

**ERNEST P. WESLEY** (FMS) retired Jan. 3 with 39 years of service.

## SERVICE AWARD DINNER-DANCE SET FOR FRIDAY, APRIL 20

Employees who achieved 25, 30, 35, 40, 45 and 50 years of service in 2006 will be honored at a dinner-dance April 20. Invitations will be mailed in early March.

## RETIREMENT VENDORS TO BE AVAILABLE FOR DISCUSSIONS

The laboratory's retirement vendors will send representatives to Argonne during February. To schedule an appointment, call the number listed.

- Fidelity — Tuesday, Feb. 6, and Tuesday, Feb. 20. Call the appointment desk at (800) 642-7131.
- TIAA-CREF — Wednesday, Feb. 7, Thursday, Feb. 8, and Friday, Feb. 9. Call the appointment desk at (800) 842-2005 or visit *www.tiaa-cref.org/moc*.
- Prudential — Wednesday, Feb. 7, and Wednesday, Feb. 21. Call Cheryl at the appointment desk at (630) 285-8876.

**MORE NEWS AND LATE-BREAKING UPDATES:**
*INSIDE ARGONNE*
**www.inside.anl.gov**