



APS Has Facility for Growth



The seventh APS LOM (436).

Andy Stevens (AOD) (2)

There are currently two major construction projects under way at the APS facility: lab/office module (LOM) 436 and the building 450 expansion.

LOM 436

LOM 436 (the seventh of eight planned LOMs around the ring) has been designed with the major features of the previous six LOMs, including the standard central pentagon and four lab/office pentagons. Additionally, various enhancements based on experience gained from the existing LOMs and input from the CATs, the Experimental Facilities Division, the AOD Floor Operations Group, and other groups have been incorporated into the design. The building will have approximately 22,000 sq ft of floor space. Construction of the LOM is being funded jointly by the National Institute of General Medical Sciences and the Department of Energy-Office of Basic Energy Sciences. Biological science groups are expected to be the primary



The utility building expansion.

occupants. Substantial completion is expected in February 2002.

(Cont'd as "Facility" on page 2)

Shenoy Named AAAS Fellow

Gopal K. Shenoy (XFD), APS Senior Scientific Advisor, has been named a Fellow of the American Association for the Advancement of Science (AAAS), that organization's highest honor. Fellowships in the AAAS are awarded to scientists deemed to be at the pinnacle of their fields.

Shenoy was recognized for his contributions in the development of scientific techniques for nuclear gamma ray resonance and synchrotron radiation research. He was also recognized for his leadership role in the development of experimental facilities for the APS. *(Cont'd as "Shenoy" on page 2)*

If you would like to contribute to *The Source* (articles, professional achievements, marriages, births, anything of interest to your coworkers at the APS), contact your divisional correspondent:

- AOD:** Linda DeVito - devito@aps.anl.gov
- ASD:** Mary Kay Jakovich - marykay@aps.anl.gov
- UPD:** Pam Dalman - dalman@aps.anl.gov
- XFD:** Cindy Kuzma - kuzma@aps.anl.gov
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The APS Comes to the APS

No, the above headline doesn't have a typo. On January 3-4, 2002, a team from the Committee on the Status of Women in Physics (CSWP) from the American Physical Society (the "other" APS) will be coming to the Advanced Photon Source ("our" APS) to conduct a site visit. At the invitation of the Argonne Directorate and two of the ANL associate laboratory directors, Murray Gibson (APS) and Frank Fradin (PBC), the team will be assessing the research climate for women in eight Argonne divisions, four of them from our APS.

The 10-member team is headed by Professor Millie Dresselhaus, professor of physics at M.I.T and former member of Argonne's Board of Governors. The remaining team members come from other national laboratories, private industry, and several universities. Their agenda includes meetings with Laboratory and divisional management, interviews (both individual and group) with both male and female staff members, a breakfast meeting with women senior scientists and Women in Science and Technology Steering Committee members, lunch with graduate students, and a reception with all interested Argonne employees.

Prior to the visit, the CSWP conducted an electronic survey of all 700-series staff members from the eight ANL divisions to be visited, with the objective of obtaining background information for the site-visit team. In addition, the team received summary descriptions of each division (including the divisional mission, goals, scientific programs,

staffing patterns, budget, etc.), and copies of Argonne's institutional plan, affirmative action plan, and summary results from Argonne's most recent employee survey.

At the conclusion of the visit, the team members will meet individually with division directors to share their preliminary thoughts. A final report will detail their findings and offer practical suggestions on improving the research climate for physicists, both women and men. For Argonne, this site visit is considered to be a pilot. Many of the suggestions offered by the team may be applicable to other divisions in other fields.

For nearly a decade, the CSWP has been conducting site visits to university physics departments at the request of department chairs. The primary goals of these visits are to identify practices and approaches that create or undermine a favorable climate for women (and men) in physics. Both qualitative and quantitative information is sought to assist the team in its assessment. Further information about the CSWP site-visit program can be found on their Web page at:

<http://www.aps.org/educ/cswp/index.html>

To date, more than two dozen physics departments and one laboratory (NCAR) have hosted site-visit teams. Argonne, however, will be the first DOE national laboratory to be visited.

If you are interested in meeting with team members, either in a small group or individually, and have not already responded, please contact Susan Strasser (strasser@aps.anl.gov), who together with Sue Morss from Physical, Biological, and Computing Sciences is coordinating the site visit, will be glad to answer any questions you may have. – *Susan Strasser (UPD)*

("Facility" cont'd from page 1)

Bldg. 450

Expansion of building 450 (the APS utility building) will add approximately 7,500 sq ft on the building's east end to accommodate growth of the chilled-water plant that serves the APS. New and anticipated heat loads that cannot be accommodated with the present chilled-water plant include LOM 436; a future LOM 437; future beamlines 21 through 31; the proposed Center for Nanoscale Materials facility adjacent to sector 26; any additions to buildings 401, 411, and 450; and the proposed Structural Genomic Center adjacent to sector 25.

The new building 450 space consists of a steel frame, cast-in-place caissons to support columns, slab-on-grade floor, and insulated panel exterior skin and IRMA roofing system, all matching the existing structure. New offices and a shop area will be included for the building 450 operations staff. The existing road on the east side of the building will be abandoned within the footprint of the addition, but will continue to serve the roll-up doorway in the new addition and the existing southeast roll-up door. Also included in the scope of work is the installation of two heat exchangers to supplement the chilled water plant capaci-

ty until future chillers can be installed. Groundbreaking took place in October 2001 and completion is scheduled for April 2002.

For both LOM 436 and building 450, the engineering design was developed and managed by the AOD Conventional Facilities Group, and UBM, Inc., is the construction firm. – *Rick Janik (AOD)*

("Shenoy" cont'd from page 1)

Shenoy is the author of over 250 scientific publications and numerous book chapters, and has served as editor for a number of books and proceedings dealing with materials science.

His Ph.D. in solid-state physics is from the University of Bombay. He joined the Solid State Science Division at ANL as a postdoctoral fellow and was named Senior Scientist in 1982. After a distinguished career as a researcher in Germany, Finland, and France, Shenoy was named Director of the APS Experimental Facilities Division in 1989, and APS Senior Scientific Director in 1999. ○

Holiday Safety Tips

With the holiday season upon us, we should pause and give thought to providing a safe and healthy home environment for family and friends. This time of year we fill our homes with festive lights, candles, and decorations. These wonderful mementos, if improperly handled and maintained, may become a fire hazard.

It is very important to make sure that home smoke detectors are fully operational and that exits from the house are unobstructed (don't forget to check outdoors for snow drifts).

Here are a few more timely safety tips for the holidays:

CHRISTMAS TREE SAFETY TIPS

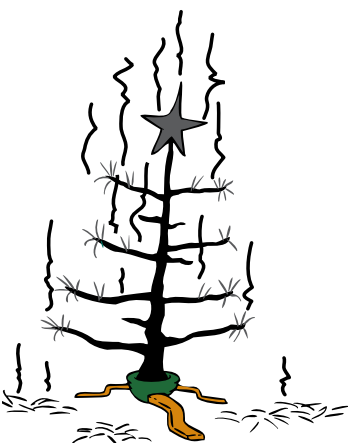


Merry Christmas

- Choose a fresh tree that is green and is not shedding needles. When bent between your fingers, fresh needles do not break and are hard to pull from branches. Consider having your tree treated with an approved flame retardant. Keep the tree outside until you are ready to decorate it. Be sure your tree has plenty of water.

The stand should hold the tree securely and should be of adequate size to keep from tipping over.

- Prior to setting up a tree, the trunk should have a fresh bottom cut on a diagonal at least 1 in. above the original cut.



Not a Merry Christmas

- Fresh-cut Christmas trees need to be kept in water. Check the water level daily, as it may evaporate. The water level should not be allowed to drop below the bottom cut.

- Candles or open flame should not be used on or near a tree within a distance equal to the height of the tree.

Christmas trees should be kept at least 36 inches from heat sources such as space heaters, baseboards, and fireplaces. Trees should never be placed in the path to an exit.

- Use only UL-approved Christmas lights that have been tested for safety. Check each set of lights for broken or

cracked sockets, frayed or bare wires, or loose connections. Turn your Christmas tree lights off when you are not home and while you are sleeping. Lights can cause a tree to dry out as well as provide a source of ignition for fire. Never use electric lights on a metallic tree; this can cause a shock hazard.

- Keep tree limbs away from electrical outlets and electrical sources.

SPACE HEATERS AND OTHER HEATING SOURCES

- Be sure all combustible items are at least 36 in. from heat sources. Always use a fire screen on your fireplace. Have your chimney inspected at least once a year. Never burn holiday wrap in a fireplace. Remove ashes in a METAL container and never store them in your home or on a porch.



Kinara



Menorah

TAKE CARE WITH CANDLES

- Place candles in non-tip candle holders before lighting. Light a Menorah (Hanukkah - clip-and-save for next year!) or Kinara (Kwanzaa) on a metal tray.

- Never leave a Menorah, a Kinara, or other candles unattended while lit, especially when children are around.

- Do not put candles in windows or near exits.

- Extinguish candles before you leave a room or go to bed.

By practicing good fire safety habits, we can all have a safe and happy holiday season! - Jim Lang (AOD)

Keeping up with the APS Family...

NEW ARRIVALS



Carter Salbego (left), son of Cyndi (UPD) and Dave (ECT) Salbego, all dressed up in his Santa suit. He's six month's old.



Yvonne and Zhirong Huang (ASD) welcomed their second son, Charles Jialiang (right), on November 7. Charles weighed 6 lbs, 13 ozs.



Connie (UPD) and Steve Vanni welcomed their son, Steven Matthew (left), on November 8.



Jenny (UPD) and Mark (XFD) Erdmann welcomed daughter Leah Noelle (right) on November 15. Leah weighed 7 lbs, 7 ozs and was 19.5 in. long.



The Source is available online as a printable pdf file at: <http://www.aps.anl.gov/apsnews/apssource.html>

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OUR CONDOLENCES TO:

Bob Smither (UPD) on the loss of his wife, Louise.
Jeff Alicz (UPD) on the passing of his father, Clarence.

ADVANCES

Linda Carlson (UPD) has been promoted to IT Specialist.

Ali Mashayekhi (UPD) has been promoted to Senior Scientific Associate.

SAY HELLO TO:

New employee David Paterson, Assistant Physicist, XFD Microtechniques Group.

IT'S ACADEMIC

Congratulations to Cyndi Salbego (UPD) on receiving her B.S. degree in Computer Science from Benedictine College.

PACESETTERS

Pacesetter awards have been earned by Ed Russell and Becky McCauley (both AOD).



Ed Russell and Becky McCauley and their Pacesetters flank AOD Division Director Tony Rauchas. Appearances not withstanding, Becky and Ed didn't actually receive their awards in the hall.