



FALL
2002



Photo: Robert Koester

Lincoln Center, designed by Harry Weese, is an attractive setting for hands-on learning during a sweltering August day. This privately-endowed ice skating rink and recreational center was a gift to the Columbus (IN) community from the Hamilton Foundation as a memorial to B. F. Hamilton, founder of Cosco, Inc., and to provide recreational facilities for the winter months.

HELLO COLUMBUS!—RETREAT 2003 SITE

The site for next summer's retreat has been selected—the Waycross Center in Morgantown, IN (near Columbus)—and has been reserved for August 11–15, 2003. We expect the retreat to cost about \$300 per person and include three meals a day and lodging (double occupancy with private baths for four nights). We will arrange shuttle runs between the Indianapolis airport and the Waycross Center.

We're considering a short trek to Columbus—six of its buildings, built between 1942 and 1965, are national historic landmarks, and sixty other buildings uphold the Bartholomew County Seat's reputation as a showcase of modern architecture. Modern Columbus is defined by a series of events that started in 1942 when the First Christian Church dedicated its new building designed by the Finnish architect Eliel Saarinen. Then in 1954, the Irwin Union Bank, designed by Eero Saarinen, was constructed. With the construction of Schmitt Elementary School in 1957 and in support of the concept that the built environment is crucial to a quality community, the Cummins Engine Foundation offered to pay the architect's fee for any new school designed by an architect selected from the Foundation's list. Later, they expanded the program to include a variety of public buildings. Other companies and church congregations sought architects who would add to the community's quality of design. Works in the community by Eero Saarinen, Harry Weese, Richard Meier, and I. M. Pei led the AIA to rank Columbus sixth in a list of cities known for architectural innovation and design that included Chicago, New York, San Francisco, Boston, and Washington (DC).

By scheduling a Columbus visit for one end of the retreat week, you could take advantage of 'Saturday overnight stay' flight pricing. We could stay at the Columbus Inn in the heart of the city for a 'bed and breakfast' room rate similar to that of the Waycross Center—they have 29 double-occupancy rooms and some suites. Perhaps a Tool Day—in Columbus (or at Oberlin)—will be organized (see related story page 5). We hope to arrange Ball State University shuttle vans to either or both places; details to be worked out. ■

—Bob Koester and Alfredo Fernandez-Gonzalez

SBSE CALENDAR

2002

Oct 10–13 ACSA Tech. Conf.; Portland, OR

2003

Jun 21–25 ASES Solar 2003; Austin, TX

Jun 28–Jul 2 ASHRAE Conf.; Kansas City, MO

Aug 11–15 SBSE Retreat; Columbus, IN

Nov 9–15 PLEA Conf.; Santiago de Chile

2004

Jun TBA ASES Solar 2004; Portland, OR

Jun 26–30 ASHRAE Conf.; Nashville, TN

2005

Aug TBA Solar World Congress; Orlando, FL

Jun 25–29 ASHRAE Conf.; Denver, CO ■

RETREAT CLIMATE

Will we have fair weather for the retreat? Indiana's average temperature range for August is 65–85°F, and humidity is 50–80%. The mosquito index is fickle; this summer we haven't seen many (yet); last summer they were very present. Indiana also has an abundance of poison ivy and is allergy rich. (Am I really trying to sell this?) ■

—Bob Koester

LETTERS TO THE EDITOR

Thanks for including my article in the recent *SBSE News* (I thought you would cut it short—as you had said). One major correction—the caption under the photo of the house should say, “Mt. Wilson House, Blue Mountains, Australia, from the walkway, WITH shutters open.” It is actually the NORTH-facing window/shutter, not WEST.

I questioned why the long façade of the building faces east, instead of north (as we are in the southern hemisphere). The answer: the site contours (and the view) went down toward the east and the flattest ground with fewer trees ran along the north–south axis. If the building were oriented toward the north (in other words, turned 90 degrees), there would have been a lot of site destruction and more structures and materials needed to support the building. They (Glenn and the client) realised that the orientation of the building was not perfect for thermal purposes, but they preferred to respect the site more than to be comfortable all the time. They still tried to get as much northern light and heat as possible through the top glazing and open planning. The result was not perfect for winter, but the occupants rarely went to the mountain in winter anyway, so they think it’s OK.

—*Veronica Coeharto, Adelaide*

[So I get points for including the long version of an interesting article and lose points for inventing a caption based on my assumption that the long glazed façade faces north. Thanks for setting the record straight.—ed.]



• *continued next page*

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UNCLE SBSE WANTS YOU!

SBSE GREEN CURRICULA INVENTORY

In August 2001, SBSE representatives Walter Grondzik, Mary Guzowski, and Jim Wasley were among the group of architectural educators at a Second Nature-sponsored retreat at the Wingspread Conference Center. The purpose of the retreat was to bring ecological literacy to the forefront in architectural education.

Second Nature, a nonprofit whose mission was the greening of university curricula, has since folded, but several of the initiatives discussed at the retreat live on. Specifically, SBSE is committed to carrying forward the idea of a green curricula survey. Motivating this effort, *Environmental Building News* has expressed interest in using this survey as the basis for a Guide to Green Architecture Programs, and SBSE member Margot McDonald (Cal Poly SLO) has received funding for a similar effort for the State of California. Check out the proceedings from the Wingspread conference, “How Can the Architect Contribute to a Sustainable World?” Like most proceedings, the executive summary is well worth reading, and the documentation of the individual sessions cryptic to anyone not directly involved, but full of richly mysterious undercurrents.

Please review the objective and subjective surveys posted on the SBSE web site.
 <<http://www.sbse.org/retreat/documents.shtml>>

Please send your feedback on both the survey design and posted answers to survey questions to Jim Wasley <jwasley@uwm.edu>. We have inherited these surveys in a draft stage, want to shape them significantly, and put them to work. Also please post your program’s building science curriculum on the SBSE web site. As we finalize our version of the objective survey, we will develop an expanded format for posting survey information as well—stand up and be counted!

Survey documents on the SBSE web site at <<http://www.sbse.org/retreat/documents.shtml>>:

- “Environment and Design: B.Arch and M.Arch Programs Where the Environment Matters”—Second Nature Objective Survey
- “Ecological Design and Architectural Practice”—Second Nature Subjective Survey

Background information:

- “How Can the Architect Contribute to a Sustainable World?” Proceedings from the Second Nature Conference at Wingspread. ■

—*Jim Wasley*



Postcard view of Arup R&D exhibiting total September daylighting at 0800 before Chris Luebke’s crew gets busy. Daylighting, operable windows, fans, adaptive reuse—what a workplace!

RE-VITALIZING THE CURRICULUM AT YONSEI

During my last year at Japan's Yokohama National University Department of Architecture, I co-taught a six-week, Vital Signs seminar with visiting professor Alison Kwok (Oregon), where we led students through a case study of a traditional Japanese house <<http://arch1.arc.ynu.ac.jp/users/usr005/HOMEPAGE/homepage.htm>>. It was my first experience with this approach and the tools available. The responses from the students confirmed my own enthusiasm and interest in the VS approach, and I decided to adopt and adapt the approach for my fall 2000 class. I presented a paper on the new Vital Signs class at Yokohama at ASES 2001, Washington, DC <<http://www.arc.ynu.ac.jp/users/usr005/VSworkshop/homeenglish.htm>>.



photo: Chungyeon Chum

This traditional Japanese house was investigated at the first Vital Signs seminar with Alison Kwok. (YNU, Japan, Summer 2000)

The interior design curriculum is similar to that of the architecture program, but with more emphasis on occupants.

My teaching load includes ECS courses and advanced technology seminars. To conduct the Vital Signs exercises, twenty undergraduates enrolled in an elective seminar that met once a week for four hours. I am fortunate to have a graduate teaching assistant, though because it was the first course, my assistant was essentially taking the course! Each class lecture was followed by discussion or an activity. Dividing the class into three teams allowed for a variety of activities. Through a round-robin exercise one team used dataloggers and sensors in and about the building, another team discussed Vital Signs case study procedures, and the last team met with me for instruction on selecting a topic and case study building. Each team developed a hypothesis and methodology to test its hypothesis. Due to the small amount of equipment on hand, topics were limited. One team examined acoustics in a shopping mall and built models to analyze the spaces; another investigated the relationship between seating preferences and the physical environment—temperature, humidity, lighting, and air quality—in a library; and the third team investigated floor temperatures in a museum that was a renovated, traditional Korean house. Each team posted web sites for its case study at <<http://archmedia.yonsei.ac.kr/vitalsign/>>.

I have had wonderful feedback from the students verbally and through course evaluations. Students were thrilled to use measurement devices. They loved going into the field to look at real buildings. They were better able to grasp concepts in a real-life context, and it made learning more fun. Also they encouraged me to offer the class again. As a teacher, the Vital Signs materials offered an innovative approach that I was eager to try with my students. I taught effectively: this confidence was reflected in the course evaluations. Limitations at this point are the lack of equipment needed to provide teams with multiple dataloggers for in-depth studies. We look forward to receiving feedback on our case studies from SBSE members! █

—Chungyeon Chum

In September 2001, I moved to Yonsei University in Korea and did Vital Signs again with my first class. At Yonsei I teach in the Department of Housing and Interior Design within the College of Human Ecology. The university and curricula of most departments follow American models. In architecture, for example, students must complete four years of school prior to taking the licensing exam. However, this requirement is slowly expanding to five years for UIA's licensing system. Students typically take an environmental technology course involving building systems, acoustics, lighting, daylighting, comfort, and



One team investigated acoustics and ceiling shape. (Yonsei, Korea, Fall 2001)

photo: Chungyeon Chum

LETTERS [CONTINUED FROM P.2]

Looks like I missed another good retreat. I would love to go to Fuller's in Florida next year.

I was awarded the University of Louisiana—Lafayette's Distinguished Professor Award this spring. I am writing a manual for the restoration/renovation of historic/old houses in Louisiana for energy efficiency. I started the School of Architecture's Building Institute this spring—a hands-on educational experience for architecture students, tied to sustainability, history, and culture. We are moving an old mud wall (bousillage) house to Vermilionville (a living history museum) and restoring it. I just finished HABS documentation on an 1840 house (LeJeune Plantation), and am starting HABS documentation on an 1815 house (Darby Plantation)—both Creole raised cottages.

—Eddie Pazarovox, Louisiana-Lafayette

[We missed you, too. Time flies, but you'll have to partake in retreats in Columbus, IN (2003) and in Oregon (2004) before Fuller acts as host in Florida (2005). Planning well in advance is confusing, no? Thanks for self-reporting your accomplishments and initiatives, maybe more SBSEers will take your lead and squeal on themselves!—ed.]



We will be looking for someone to teach technology (graduate and undergraduate courses) at the University of Florida. The ability to generate funded research and/or teach in the design studio will be a plus. I'm not sure when the advertisement will appear in the *ACSA News*—it will at some point.

—Martin Gold, Florida

[Hmmm, not quite enough info to actually publish anything. I usually like to print a short version of the recruitment ad that the search committee comes up with—that usually means job ops appear in the December news. Maybe I could start a new column called "job op rumors" or something more mythic.—ed.] █

EDITOR'S NOTE

Thanks to all who submitted material for the *SBSE News* electronically. If you sent me stuff via the postal system, it's in my UI mailbox and I won't see it until I return next summer from sabbatical! I hope it's news that ages well. If not, you can resubmit electronically to <bruce.haglund@arup.com>. █

SBSE PEOPLE

✿ **Elizabeth Cordero** has joined Harvard's Green Campus Initiative as the Sustainable Buildings Program Coordinator. The position entails the whole spectrum of building from acquisition to re-use. She is working on long-term planning of the new Harvard campus in Allston, current design and construction projects within the Harvard planning and real estate portfolio, and operation and maintenance practices. She's also creating standard green-building guidelines for residential and commercial projects and working on a methodology to audit campus buildings to determine realistic benchmarks. She wants to forge a working relationship between MIT and Harvard since they are neighbors working toward the same goal—a green campus. *[If you are working toward sustainable buildings on your campus, contact Liz<ecordero@camail.harvard.edu>.-ed.]*

🏠 **Ihab Elzeyadi** received a University of Oregon Summer Research Faculty Award to study sustainable and energy saving design guidelines for cancer recovery facilities and hope lodges in the Pacific Northwest. He also received a grant to support a pilot development phase of his BEAM project (Building + Energy Analysis Module) from the UO Educational Technology Curriculum Committee. BEAM is a virtual laboratory composed of research modules and web-based applets that allow students to experiment with real-time environmental data gathered remotely from existing buildings. Watch for this ECS game site's URL in the *News!*

🌍 **John Reynolds** went to South Africa in early September, to give talks at the week-long ISES Solar Academy at the University of the Witwatersrand, Johannesburg. He was invited thanks to Daniel Irurah, whom some of you may remember from the ISES Denver Conference (1991) when Daniel was a Fulbright student (from Kenya) at Oregon. John will, no doubt, once again be perplexed by the sun moving counterclockwise, and north being the orientation for solar gain.

👉 Moreover, **John Reynolds** will visit Ball State University during October to talk about his research on courtyards *[Are there courtyards in Muncie?-ed.]* as part of the BSU College of Architecture and Planning guest lecture series. In addition, John will be a visiting scholar interacting with the students of **Bob Koester's** Vital Signs Seminar. *[JR, just holler if you want me to keep your date book in these pages!-ed.]* ||

ASES 2002 STUDENT PAPER AWARDS

SBSE is delighted to announce its annual awards for best student papers presented at the ASES National Solar Energy Conference, Solar 2002 in Reno, Nevada. This year's turn out was excellent—thirteen papers written by eighteen students were considered. Nominations and selections were made by SBSE members who attended the annual meeting and reviewed the papers. Winners were selected in three categories: best presentation, best student-authored paper, and best co-authored paper (with an SBSE member). Each winning student receives a book award, courtesy of John Wiley & Sons.

BEST PRESENTATION (category 1)

Award—J. Brandt, M. Breed, & J. Cohen, "Lapping Up the Sun"

Honorable Mention—P. LaRoche (w/M. Milne), "Effects of Thermal Parameters on the Performance of an Intelligent Controller for Ventilation"

- M. Saxena, "Microclimate Modification: Calculating the Effect of Trees on Air Temperature"
- S. Autif (w/H. Bryan), "Lighting/Daylighting Analysis"
- S. Sandifer, "Thermal Effects of Vines on Wall Temperatures—Comparing Laboratory and Field Collected Data"

BEST STUDENT-AUTHORED PAPER (category 2)

Award—M. Saxena, "Microclimate Modification: Calculating the Effect of Trees on Air Temperature"

Honorable Mention—S. Sandifer, "Thermal Effects of Vines on Wall Temperatures—Comparing Laboratory and Field Collected Data"

- J. Brandt, M. Breed, & J. Cohen, "Lapping Up the Sun"
- V. Ghatti & S. Autif, "Study of Convective Heat Transfer in a Radiatively Cooled Building Using Computational Fluid Dynamics"

BEST CO-AUTHORED PAPER (category 3)

Award—P. LaRoche (w/M. Milne), "Effects of Thermal Parameters on the Performance of an Intelligent Controller for Ventilation"

Honorable Mention—M. Shalaby & J. King (w/M. Gold), "Evaluating Lightscape's Accuracy for Predicting Daylighting Illuminance Compared to an Actual Space"

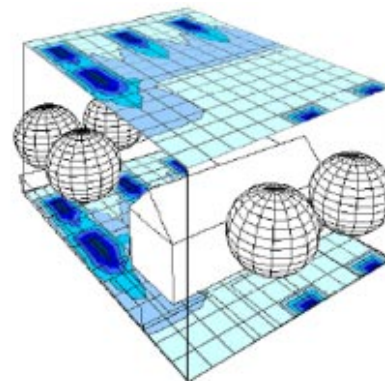
- C. Bollo and T. Peters (w/A. Kwok & W. Grondzik), "Signing off on the Logan House"
- S. Autif (w/H. Bryan), "Lighting/Daylighting Analysis: A Comparison"

Thanks to the American Solar Energy Society (ASES) for permission to post these papers on the SBSE web site. Thanks, too, John Wiley & Sons (Amanda Miller) for graciously providing the books awarded. ||



The setting for Brandt, Breed, and Cohen's study, "Lapping Up the Sun," presented at ASES 2002.

photo: Breed, Brandt, & Cohen



Three-dimensional diagram of cooling effects studied in Saxena's work.

diagram: M. Saxena



The ventilated test cell and the control cell used in LaRoche's project.

photo: Pedro LaRoche

WHITHER TOOL DAY?

Does it take a village to run a Vital Signs Tool Day? No, but it does take a dedicated organizer [*Let me know if you're the one!—ed.*], some well-trained group leaders, and a slew of hand-held tools in addition to an intriguing building or two. We're tempted by three different ideas for the next Tool Day—Austin, TX; Columbus, IN; or Oberlin College (OH). Austin could be linked with next June's ASES Conference and examine Pliny Fisk's Center for Maximum Building Potential (Maxpot), while Columbus offers over sixty designer buildings [*Wouldn't you love to dig into a Richard Meier opus?—ed.*] and the Ball State crew of Bob Koester, Jeff Culp, and Alfredo Fernandez-Gonzalez to facilitate a retreat-related event. Finally, Oberlin has the renown Will McDonough-designed Adam Lewis Center for Environmental Studies, a willing David Orr, and SBSEer Katy Janda to coordinate the event. And, hey, Oberlin is a mere 300 miles from the retreat site.

Be proactive, help us sort out this quandary by lobbying the potential site coordinator for your favored Tool Day location. Can we do one, two, or all three? [*The good news is the plethora of opportunity. The bad news is the plethora of opportunity.—ed.*] Stay tuned for further info. ▮

—Bruce Haglund



Columbus' Irwin Union Bank & Trust Company Arcade Addition (1973) by Kevin Roche features "striped" glass, a laminate of two layers of glass, one sprayed in stripes with a reflecting substance similar to that used to back mirrors.

photo: Bob Koester

ACOUSTICS COMPETITION

The Acoustical Society of America Technical Committee on Architectural Acoustics and the National Council of Acoustical Consultants are co-sponsoring a Student Design Competition that will be professionally judged at its 145th meeting in Nashville (TN), from April 28 through May 2, 2003.

The purpose of this design competition is to encourage students enrolled in architecture, architectural engineering, and other university curricula that involve building and/or acoustical design to express their knowledge of architectural acoustics and building noise control in the schematic design of a building whose acoustical considerations are of primary import. The competition announcement will be available in early fall for those instructors who teach architectural acoustics fall semester. Please contact Bob Coffeen <coffeen@ku.edu> or Lily Wang <lwang@unl.edu> to receive a copy. ▮

—Lily Wang

3 (LITTLE) REPORTS AND THE BIG BAD WOLF

I have just finished working on research concerning home design for high-winds and hurricanes entitled, "Structural Solutions for the Design of a 'Cyclonic' or Hurricane-Resisting Home Adapted to Simple Construction Methods." It was funded by a research grant from New Jersey Institute of Technology and carried out in cooperation with a well-known French building research center, CSTB, Centre Scientifique et Technique du Batiment (Center for Building Science and Technology) Department of Aerodynamics and Climatic Engineering. I presented part of this work at the 2002 ARCC International Conference last May, in Montréal, Canada, and have prepared three reports:

1. General Analysis of Damages Caused to Structures by High Winds and Hurricanes—Analysis of Post-Disaster Investigations
2. Designing for Extreme Winds and Hurricanes: General Analysis of Architecture-Related Wind Engineering Principles and Research—Concept of a "Cyclonic" Home
3. Structural Design of the "Cyclonic" Home Using a Light Wood Framing or Concrete Masonry Construction—Construction Cost Impacts.

For more information please e-mail me at <Taher@adm.njit.edu>. ▮

—Rima Taher



photo: Bruce Haglund

Advanced design double-skin buildings like 350 Regents Place are commonplace in London.

LINKS TIPS

ITALIANO VERDE AND A GIFT

A student of mine came across this web link. Lots of great, free info <http://www.iris.ba.cnr.it/Sustain/sbr_pages/file_library.htm>.

My website <<http://www.fes.uwaterloo.ca/architecture/things/terri/>> has **everything** on it. It's for sharing. Enjoy!

—Terri Meyer Boake

INTERNATIONAL WELLS CHECKLISTS

Thanks to Chungyoon Chun for adding Japanese and Korean versions to our posting of Wellsian checklists in Spanish, Russian, and French. Check out <www.sbse.org/resources>. Do we have one in your language?

—Robert Marcial

ENVELOPES UPDATE

BuildingEnvelopes, <<http://www.BuildingEnvelopes.org>>, is an online resource for state-of-the-art information on innovations in advanced façades, heating, cooling, ventilation, and lighting systems. To support preliminary design of energy-efficient buildings, a worldwide consortium of practitioners, academics, and researchers provide information for the site.

New Features: Ratings and Comments—post your thoughts or questions directly to each piece of content, and rank how useful you found that item.

New Content: Dessicant cooling/dehumidification; Façade orientation; Solid-state lighting initiative: Industry/DOE collaboration; IBECS: integrated building environmental communications system; Electro-chromic glazings for commercial buildings; Tips for daylighting with windows; Integrated envelope and lighting systems; Thermal mass and passive ventilation: BRE Building 16; Green roofs; Ford Manufacturing Center case study. ■

—J. Valleixa

DUES BLUES

[At press time only 40 of you 228 members had renewed your membership, inspiring this gentle reminder from our treasurer.—ed.]

Have you forgotten your dues?
Your secretary, she's got the blues.
So please don't delay.
Send your check today.

And don't miss an issue of the *News!* ■

—Candra Stomard

NON-FATAL ATTRACTIONS

DELIGHTFUL SPEAKERS AVAILABLE

My esteemed spouse, Lisa Heschong, and I are available to speak to your architecture and energy program students. As many SBSEers know, we run a private practice engaged in a wide range of energy research and implementation activities in the “real world” (notwithstanding the otherworldly aspects it frequently exhibits, but that's another topic). Our kind of practice offers an alternative career path between academia and traditional design practice. Some of our best employees have come from energy programs at ASU, CSU, and Oregon, not to mention our alma mater, MIT. We would be happy to speak about our research activities (daylighting and productivity, energy codes, multifamily, building population studies, survey research) and/or how a career in energy consulting can be realized. A typical visit to a school might involve a lecture/presentation, an interactive seminar, and some one-on-one time with faculty and students. Speakers' fees are negotiable: at the least we would need to have our travel costs reimbursed. Contact us at 916.962.7001, fax 916.962.0101, <dmahone@h-m-g.com>, or <<http://www.h-m-g.com>>.

—Douglas Mahone

STILL HAZY AFTER ALL THESE YEARS

John Wiley & Sons reports that copies of *Heating, Cooling, Lighting: Design Methods for Architects*, second edition, 2001, by Norbert Lechner being sold at this time still have the errors. An errata sheet for *HCL* containing corrections and a replacement image for Fig. 8.5c is available at <<http://www.bsci.auburn.edu/pdf/Errata.pdf>>.

—Norbert Lechner

DAYLIGHTING VIDEO AVAILABLE

No, I didn't forget about that video, *How to Build a Daylighting Model*, from the Seattle Lighting Design Lab. It just took longer for things to play out than anticipated. Seattle City Light had to find the master of the video before they could replenish their supply and make it available again. Seattle City Light is charging \$15 a copy. Contact Joel Loveland <joel@lightingdesignlab.com> to acquire one.

—Bill Burke

NEW VERSION: ENERGYPLUS V1.0.2

Now available at <<http://www.energyplus.gov>> are both Windows and Linux versions of *EnergyPlus V1.0.2*

Additions in this release version:

1. Auto-sizing of plant equipment (boiler, electric chiller, cooling tower, engine-driven chillers)
2. Restrictions for reveals on triangular windows removed
3. Ground temperatures and slab constructions redone
4. Ground temperature calculation program
5. User input of cooling and/or heating zone design air flow rates can mix and match with calculated rates
6. Added simulation of a variable flow secondary loop and a constant flow primary loop simulation using existing simulation structure
7. New input file example for each new feature
8. Reflection of beam solar radiation from outside and inside window reveal surfaces
9. Faster *ReadVars* program
10. Bi-directional shading devices
11. Warmest zone supply air set point strategy
12. Water-to-water heat pumps
13. Current detached shading is aka fixed detached shading and added building shading
14. Simple ventilation.

The Linux version is available by separate download. While not extensively tested, it has been run on the full test suite and is showing only minor differences in most files. Though every effort has been made to clean up all the “defects” that have occurred during our testing, quite a few known (and even more unknown) probably remain. In particular, all the “known problems” from the last release have been addressed—the 22 issues resolved are described in the main *EnergyPlus* folder's tab-delimited file V1-0-2-ResolvedIssues.xls. ■

—Drury Granley

NAME THAT CD-ROM

[This quarter's most tasty morsel from the list server resulted from Robert Marcial's plaintive request for CD guidance. I've presented a sampling of SBSEers suggestions. We're all waiting for the definitive list, Robert.—ed.]

At the Pacific Energy Center <<http://www.pge.com/pec>>, we're considering adding a kiosk or set of kiosks in our lobby, which has a high volume of traffic—the general public, architects, engineers, students, and building owners. We are looking for CD-ROMs that would be available for viewing, lend themselves to such a kiosk application (for our audience), and whose content is focused on energy efficiency and green design. My short list includes RMI's *Green Developments* (2001) and the most recent version of the *EBN Archives*. I look forward to hearing your suggestions and will re-post all titles submitted, either in a future e-mail message or on our web site.

—Robert Marcial

Erv Bales: You MUST include the CD videos from the GGGC web site, the PA Environmental Agency, particularly DEP's *Cambria Office Building: Lesson's Learned the First Years*. It clearly lays out the sustainable design issues in a case study while introducing the USGBC LEED process. Nothing comes close to those insights depicted. I showed it in my Sustainable Architecture class, and all students wanted a copy on the spot (they all carry laptops). Order the free CDs from <<http://www.gggc.state.pa.us/building/videoordfm.html>>. You can also view them on the web site.

Harvey Bryan: I found (actually Jeff Cook found it) a very interesting CD, called *Your Home*, (a sustainable residential design CD) with lots of very good info and design examples, developed by the Australian government. They have a web-site <<http://www.yourhome.gov.au>>, or you could call (Australia) 1300.130.606 for the free CD.

Ihab Elzeyadi: Two more suggestions that could be appropriate for your booth: *Building Green in Pennsylvania* (free from <www.gggc.state.pa.us>); and HOK's *Guide to Sustainable Design* (I'm not sure if it's available for distribution; William Odell or Sandra Mendler of HOK might know).

Alfredo Fernandez-Gonzalez: DOE's Office of Solar Energy Technologies produced two appropriate CDs. The only criticism I have is that they overemphasize PV and completely forget passive solar. Anyway, the CDs are: *Solar Energy Showcase: Today's technologies throughout the United States*; and *Solar America: A solar energy tour of the United States*.

Terri Meyer Boake: For an advanced crowd, the *Green Building Advisor* is good. It has quite a few case studies. There is also a CD-ROM version of the *AIA Environmental Resource Guide* that is rather bland though. Only black-and-white images in pdf format, but good info.

Naomi Miller: There are two CD-ROMs offered by OsramSylvania that I would recommend: *Office Lighting*, and *Introduction to Lighting*. They are both remarkably low-key in their commercial message and contain loads of well-illustrated information on lamps, ballasts, color issues, lighting quality issues, and energy efficiency. Aimed at an audience not knowledgeable about lighting, the terminology is kept simple, and you can pop into a glossary whenever you encounter a new term. Contact your local Sylvania commercial engineer, or call Sylvania in Danvers, MA, at 978.777.1900 for information on ordering. The CDs are very reasonably priced. ■



Photos: Bruce Heglund

Smart Cars thrive in London where traffic is fierce, petrol is \$6/gallon, and parking even more! And they are versatile enough to park imaginatively, though a little dangerously.

UPCOMING CONFERENCES

TECHNOLOGY CONFERENCE

The 2002 ACSA Technology Conference will take place in Portland, OR, October 10–12, at UO's Portland Center. Discussions will explore the craft and production of the house as a method of understanding the technologies that inform design, construction, and occupation. Influenced by climate, culture, and consumption, a broad definition of house provides for a rich dialogue. Researchers, educators, and practitioners will share their work on technology and housing. Product and material associations and companies active in the housing industries of the Pacific Northwest will offer workshops on new applications of materials and processes featuring presentations by professional design teams. There will also be tours of manufacturing plants and housing projects on the afternoon of October 9 and on the morning of October 13. Visit <<http://www.acsa-arch.org/>> to view the agenda and register. We look forward to seeing SBSEers there!

—Linda Brock and Christine Theodoropoulos

CALL FOR VOLUNTEERS

As a member of the host/program committee for the U.S. Green Building Conference to be held in Austin, TX, November 13–15, 2002, I have been asked by the committee to contact the seven Texas schools of architecture to develop and manage a plan using students as host volunteers and as a resource for other duties. Student volunteers will be given free admission to the conference. Please send a list of students who would like to be part of this exciting national conference to <mgarrison@mail.utexas.edu>.

—Michael Garrison

PLEA 2003 CHILE

One-page abstracts are due by 15 November 2002, for PLEA 2003 that will be held in Santiago de Chile at 33°30'S on 9–12 November 2003. The theme is *Rethinking Development: Are we producing a people-oriented habitat?* The official language is English, although Spanish translation will be provided. Full papers are due 14 March 2003, for this refereed conference with pre-published proceedings. Tours and invited presentations in other cities will make the week of 11 November 2003, memorable in the southern hemisphere. For more info on PLEA topics e-mail <plea2003@puc.cl> or visit <<http://www.plea2003.cl>>. ■

—Jeffrey Cook

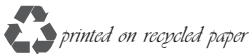


The sunspace in this passive solar production house built by Paul Neuffer of Reno, NV, offers his customers a low-cost, high-value home.

ASES NATIONAL TOUR OF SOLAR BUILDINGS

During the 2002 American Solar Energy Society National Tour of Solar Buildings, October 5, solar enthusiasts will be available from 10 a.m. to 4 p.m. (in most locations) to share their knowledge about what solar can do for “real people in real places.” Be sure to check the ASES web site <www.ases.org> for an up-to-date list of tours as well as accurate tour dates and times (they may vary in different locations). In addition to the tour organizers, Xantrex, one of our national tour sponsors, has arranged for some of their certified solar professionals to be available to answer your technical questions. Some Xantrex dealers have also agreed to organize tours in their areas. A list of these technical experts and local tour organizers is also available on the ASES web site. Many states have incentives for individuals and businesses interested in installing renewable energy equipment. For a state-by-state incentive list, visit <www.dsireusa.org>. If you do not have access to the web, please call ASES headquarters at 303.443.3130 for more information on the tour. You can also call ASES if you are interested in creating a tour in your area. If you would like to assist with an existing tour, please directly contact the local organizer. We will be offering AIA credits for the first time this year. *[And, the tours make great extra credit exercises for your students.—ed.]* Enjoy the tour!

—Andy Nelson



SBSE NEWS
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WINTER ISSUE SUBMITTAL DEADLINE—DECEMBER 1
