A one-mile stretch of renovated warehouses and historic buildings, Savannah’s River Street is the hub of tourism, dining, and nightlife.

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**Retreat 2005—Greener Foundations**

Environmental Technology and the Beginning Design Student

Savannah College of Art and Design, Savannah, GA, June 9–12, 2005

The 2005 Summer Retreat will be held in Savannah and will focus on the question: Should environmental technology be a component of beginning design courses, and, if so, how? In many schools of architecture the first exposure students have to environmental technology is in an environmental control systems course that often doesn’t occur until the middle years of the curriculum. Does this schedule potentially create a mindset in students and faculty that considers environmental technology a secondary concern in the design process? Since environmental technology is closely related to many of the sustainability issues—and one oft-cited basic principle of sustainable design is holistic thinking—shouldn’t basic issues in environmental technology be introduced as soon as possible? Would many architectural educators agree? How do we implement this change?

Over twenty years ago, an ACSA Cranbrook Teachers’ Seminar focused on beginning design education and spawned a loosely-knit, but long-lived event called the Conference on the Beginning Design Student. One of the central themes of that Teachers’ Seminar was whether Bauhaus and art school methodologies were appropriate foundation experiences for architecture students. The most recent call for submissions to the 21st National Conference on the Beginning Design Student asks that same question, along with questions about education theory and abstract vs. concrete learning. As this discussion continues, how can SBSE participate? While some of us have participated, the beginning design conferences generally don’t appear on our radar. Our focus on incorporating environmental technology issues earlier in curricula will help all of us, especially those who teach beginning design, devise strategies for implementing changes that lead to a more holistic education.

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**SBSE Calendar**

2005

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<td>Apr 6–9</td>
<td>ARCC Research Conf.; Jackson, MS</td>
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<td>Apr 8–10</td>
<td>HOPES 11; Eugene, OR</td>
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<td>SBSE Retreat; Savannah, GA</td>
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<td>AoC Wksp; New Smyrna Beach, FL</td>
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<td>Aug 8–12</td>
<td>Solar World Congress; Orlando, FL</td>
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<td>Sep 15–17</td>
<td>Greening the Campus 6; Muncie, IN</td>
<td>Muncie, IN</td>
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LETTERS TO THE EDITOR

Look at <http://www.purveslab.net/>. The on-screen demonstrations are fascinating and will be of interest to many SBSEers.

- Truett James, Texas Arlington

[Terrific, it exposed my misperceptions of lighting, and now all my credibility is shot!—ed.]

Can you tell me how to fix or avoid the problem in listserv digest messages where html code appears in the text (e.g., <p><strong>December 1 is the deadline for News items</strong>).</p>). All the digests I’ve received have had this problem.

-Alfred Zearle

[After some experimentation, I found that I could paste the message into Notepad, save it as a .txt file, rename it an .htm file, then open it in Internet Explorer. The result was a good looking message! A lot of trouble to overcome a dumb digest interface! My apologies to all digest readers. Anyone have a better solution? —ed.]

I had two people recently contact me about images from my book. Neither knew about the CDs available from SBSE. One of the two was even a long-time SBSE member. We need to periodically repeat certain information. Please let everyone know about my CDs and the other CDs that are available at no cost other than shipping and handling.

- Herbert Ziehier, Auburn University

[The SBSE web site describes the image CDs available for a nominal fee as well as a plethora

AOC AT WOODS HOLE IN REVIEW

Four terms to describe the October 14–16 AOC Woods Hole Training Workshop are: Toys, First-Timer, Case Study Methodology, and Fellowship.

Toys—My students and I were struck by the wide variety of instruments available: HOBOs and soap bubbles were everywhere; we used the IR camera to “visualize” heat; and there were velocity sticks, CO₂ sensors, and various devices that represented all the different aspects of a building’s environment and how it affects us. A memorable part of the weekend was everybody buzzing around the building checking into this and studying that. There was serious learning as we became familiar and proficient with these tools. But the work was also play and fun. The building’s residents were very patient with us. My students noted how “people worked while we were running around all over the place.” The participation of the Onset people was great. I felt lucky to be able to watch them see how we used their gear. It was clear that they would be taking away interesting suggestions for their next staff meeting. There are so many ways to use HOBOs and all the associated sensors. I didn’t appreciate that most of their market was outside our realm of environmental controls testing. But I also think they now recognize that there are so many more applications for their products that we have yet to dream up.

First Timer—Looking back, it all makes sense: case studies, the Woods Hole Research Center, Onset, Woods Hole, but on the first day I didn’t know what to expect. We had seen pictures and read the reports about the Center, but experiencing it gave me the full measure of what a great place it is. I now understand the depth, quality, and importance of the work of this organization. It was particularly gratifying to hear how their work and mission became the basis of the “green” program for the building and how both the architect and client eventually tested the design against these criteria. When you approach the building from the street all you see is the original building which connects to the new addition with the open space, bridge, and common area. Mark Rylander (McDonough+Partners) commented that the building doesn’t have a “money shot” view from the exterior, but was designed to be lived in. This training session benefited from having a great building, active involvement by members of the design team, and last but by no means least, Joe Hackler who cares for this building like it is one of his children. Joe’s enthusiasm was a great joy. I’m sure he has carried on at least half of the investigations we started.

Case Study Methodology—Ana Maria and Alaina remembered Walter giving everyone the third degree about their hypotheses and that he was hardest on his own group. I now appreciate the rigor that Walter brought to this task. I did not understand what a case study was other than as a way to better understand the workings of a building, particularly its environmental controls systems, by measuring its operation using a wide variety of sensors. The process associated with a case study as we experienced in Woods Hole has made me more careful in taking observations about what’s happening in a building without creating a huge set of assumptions and conclusions of why the building exhibits certain conditions. This training clarifies the need to keep a tight focus on what you observe, hypothesize, and hope to prove in conducting a case study. I do think it would be helpful to provide similar guidance in how to come up with a hypothesis. I was frustrated in this early step of the Case Study process. It would have helped to see how a hypothesis stems from observations and then reflections on building conditions and operation. Nonetheless, I look forward to having my students learn and use this process.

SBSE News is published quarterly by the Society of Building Science Educators, a not-for-profit corporation. Submit material for publication to Bruce Haglund, Editor, Department of Architecture, University of Idaho; Moscow, ID 83844-2451; phone 208.885.6781; fax 208.885.9428; e-mail b_haglund@uidaho.edu; before the first of March, June, September, or December. Direct membership and mailing list inquiries to Sandra Mallory, Secretary–Treasurer, Environmental Works; 402 15th Avenue East; Seattle, WA 98112; phone 206.329.8300; fax 206.329.5494; e-mail smallory@eworks.org. To join our list server or to manage your account go to <http://www.lists.uidaho.edu/mailman/listinfo/sbse>. For full membership info and more, visit our home page <http://www.sbse.org>. ]

AoC participants crawled all over the Woods Hole Research Center!

photo: Nick Rajkovich

continued page 4

continued next column
BOOK REVIEW


We are at the crossroads of the most significant crisis of modern times. Two profound, life-changing events are converging to create this crisis—the warming of the earth’s atmosphere by burning fossil fuels and the rapid depletion of global petroleum and natural gas reserves. As these events intensify over the coming years, they will dramatically change how we live and how we relate to the natural world. These changes can cause the human race great pain and suffering, or they can inspire an historic transition to a kinder and gentler world.

Sue Roaf, David Crichton, and Fergus Nicol, in their new book Adapting Buildings and Cities for Climate Change, dissect these events and rightly conclude that at the center of this crisis stands the architecture and building community. They clearly illustrate that this community, unknowingly, is chiefly responsible for precipitating this crisis and argue for nothing less than a building design revolution to address the problem.

What makes this book so important is that it not only outlines the issues and science behind climate change, but details the steps necessary to alleviate future, large-scale dislocations and hardship. Roaf identifies the key players in this struggle, their roles, and the actions needed to spark this revolution. She makes it crystal clear that there is no technological fix looming on the horizon, and if the architecture and building community do not step forward and lead, there is little hope for meaningful change to take place.

This book contains the framework for beginning the critical discussion necessary to confront humanity’s greatest challenge. —Edward Mazria

AOC AT WOODS HOLE [CONT.]

Fellowship—While I didn’t know what to expect in the training exercises, I did expect to have fun during the three days. I knew there would be a lot going on all at the same time, and so it was. While I was learning and meeting other faculty who are trying to incorporate understanding of building environments into building design, my students were meeting their counterparts. Then we’d go on these excursions into Woods Hole. Some could be counted as adventures. My students were pleased that we got back from Edgartown without losing lunch or anyone overboard. We all enjoyed Don’s walking tour of Edgartown. Even commiserating with other former New Englanders about the Yankees trouncing the Red Sox in game 3 was therapeutic. (Never mind what happened later. Go Red Sox Nation!) After the Annual Retreat and this workshop, my appreciation of SBSE as an organization and a group of people continues to grow.

In all these ways the four days in Woods Hole was a valuable experience. Reflecting on them I recall the breeze and slight chill in the air, the activity and energy of the staff of the Research Center, the sense of lots of questions being asked by the workshop participants, recognition of a fine building, and many bright moments. Thanks to the planning team for such an intense and rewarding experience. —Bob Powell

Déjà (Re)view

ECS text available on CD

Environmental Controls Systems (McGraw–Hill, 1993) is now out of print. The book has been converted to PDF format, available on a CD at no cost to instructors who wish to consider using it as a text.

Extensively illustrated by the author, ECS is an introduction to the systems used to control the thermal and luminous environment in buildings. Also included is a companion instructor’s manual, with an extensive bibliography, questions and answers, and projects. Email author Fuller Moore at <fullermoore@tampabay.rr.com> to request a CD copy. —Fuller Moore

DESIGN COMPETITION

The Technical Committee on Architectural Acoustics of the Acoustical Society of America and the National Council of Acoustical Consultants are sponsoring an Acoustical Student Design Competition to be displayed and professionally judged at the Vancouver meeting. The 2005 competition involves the design of a drama theater complex located within an urban mixed-use development.

Individual students or teams of a maximum of three may submit entries. Graduate and undergraduate entries are welcome. Attendance at the Vancouver meeting is not required for entry in the competition.

Submissions will be poster presentations that demonstrate room acoustic, noise control, and acoustic isolation techniques in building planning and room design.

“First Honors” will be awarded $1,250 and awards of $700 each will be made to four entrants’ projects judged “Commendation.”

Registration deadline is 1 April 2005. The deadline for receipt of submissions is 9 May 2005. Full details about registration, the competition, and the design scenario can be found online at <http://www.newmanfund.org>.

We hope you encourage your students to participate. Please contact the organizers, Bob Coffeen <coffeen@ku.edu>, Byron Harrison <byron@talaske.com>, Norm Philipp <normp@yantis.com> with any questions. —Lily Wang
AWARDS

BEST ASES PAPER AWARDS

SBSE recognized the best student paper and best student presentations at ASES Passive 2004. Each winner was awarded a book, courtesy of John Wiley.


Best Student Paper: Michael Murray (Oberlin College), “Payback and Currencies of Energy, Carbon Dioxide and Money for a 60 kW Photovoltaic Array.”

2004 ECOHOUSE AWARDS

Cash Prizes — 1st: Wang Yao (China), £750; 2nd: Noelia Alchaper (Argentina), £500; 3rd: (joint places, each place £250) Julio Bariqelli, Emiliano De Marchi, Diego Lorea, and Pablo Moneda (Argentina); Wang Ziwel (China); 4th: (joint places, each place £100) Marko Petrovic (Serbia and Monte Negro); Ali Sodagar (Iran).

Ecohouse Book Awards—Nicest House: Susan Tang and Fan-Ju (Canada); Most Beautiful Image: Gerardo Almaquer (Mexico); Best Analysis: Rachana Ambekar, Sakina Dahodwala, and Thulasi Narayan (USA); Best Spirit: Lixin San Tang and Fan-Ju (Canada); Most Welcome Entry: Daniel Munteanu and Ana Mocanu (Romania).

Best Image: Gerardo Almaquer (Mexico); “Designing a Way out of the Box: Teaching Sustainable Design with Technology.”

LETTERS [CONT. FROM P. 2]

of other SBSE goodies. Members should check it out early and often! —ed.]

Air quality? We don’t need no stinking air quality! I am truly sorry it just slipped out, and I couldn’t bring it back. What am I saying??

—Marc Giaccardo, UTSA

[According to the Washington Post Style Int’l column, if you’re boggled by the above, you’re suffering from “sarcasm (n): The gulf between the author of sarcastic wit and the person who doesn’t get it.” Thanks, Fuller! —ed.]

GREENER FOUNDATIONS [CONT. FROM P. 1]

Venue Coordinator—Emad Afifi, Savannah College of Art and Design <eafifi@scad.edu>

The 2005 SBSE Retreat will take place in historic Savannah at SCAD’s unique, urban campus. Interwoven within the city fabric of green squares and historic buildings (in essence, the city is the campus and the campus is the city), SCAD also provides exhibits of art and design work ranging from painting to architecture, industrial design, animation, and computer art.

Retreat sessions will be held in Eichberg Hall, the academic building of the School of Building Arts. Two classrooms, studio space, and one computer lab will be reserved for the duration of the retreat. Accommodation will be provided in well-appointed residence halls with full baths. Spacious, air-conditioned rooms will be shared by two or three people. Individual rooms may be available at extra cost as needed.

Program Coordinators—Leonard Bachman, University of Houston <lbachman@uh.edu>; Terri Meyer Boake, University of Waterloo <tboake@sympatico.ca>; and Chris Theis, Louisiana State University <decom6@lsu.edu>

The Retreat will take place over two-and-a-half days, with ample time to explore Savannah. The program will be divided into two components. The first will provide an opportunity for all participants to learn from the ideas and experiences of others through individual presentations and group roundtable discussions. In the second everyone will participate in a series of breakout sessions in small groups where beginning design studio projects (or other beginning course content) will be re-conceptualized to include learning objectives specifically related to environmental technology. These projects will then be presented to the whole group for review and comment with the intent of creating a collection that can be shared with our colleagues who teach beginning design courses. Everyone will contribute to this year’s retreat by bringing a recent beginning design studio project (or another course exercise) that they think holds promise for including environmental technology learning objectives.

Call for Proposals—We recognize that some individuals have had very positive experiences in introducing environmental technology issues in beginning design courses or have innovative ideas for doing so. We solicit proposals for sharing ideas and/or experiences in the form of a 30-minute presentation that addresses the following environmental topics—sustainability, ecological literacy, green materials, specific ECS topics (e.g., thermal comfort, daylighting), or any other topic related to environmental technology. One area of particular interest might be to identify the “foundations” or “beginnings” of environmental technology in design. And, conversely, how might the objectives of “traditional” beginning design methodologies be interpreted in light of environmental technology (e.g., representation, form making, spatial definition)? Possible topics include, but are not limited to, the following:

- Teaching Methodologies
- Innovative Course Models
- Modes of Learning
- Evaluating Success
- Learning Outcomes/Objectives
- Pedagogic Structure
- Case Studies
- Successful Projects and/or Exercises

Respondents should submit: (1) presentation proposal (one-page maximum), (2) basic presentation format and audiovisual needs, and (3) contact information (name, affiliation, address, telephone, e-mail). Proposals may be submitted electronically (preferred) or by mail to: Chris Theis, School of Architecture, Louisiana State University; Baton Rouge, LA 70808; <decom6@lsu.edu>.

Proposal Submission Deadline: Monday, February 7, 2005, by 5:00pm CST.


Deadline for Retreat Registration: April 18, 2005 (or until fully subscribed). —Chris Theis
EMPHASIS ON ACADEMICS

FLORIDA TRANSPORTING ECOLOGIES STUDIO

The Transporting Ecologies studio engaged students and community members in updating the bicycle transportation network master plan in Gainesville, FL. Integrating infrastructural, social, civic, natural, public health, technological, and economic priorities typically parsed into solipsistic reductivist bureaucracies, the studio proposed innovative strategies suitable for urban, suburban and rural conditions. Martin Gold’s interdisciplinary studio consisted of 4th-year and graduate students in architecture and in urban planning. Support was provided by the local Metropolitan Transportation Planning Organization (MTPO), the College of the Design Construction and Planning, and the School of Architecture.

Case study research and field observation of notable cycle infrastructures, diagrammatic analyses, and representational explorations of the existing local system, future priority assessments and population-destination analysis provided the basis for new proposals. Field observations proved to be vitally important for students, inspiring knowledge and insights. In small groups, students cycled through 2 of the following cities for 3–4 days: Amsterdam, Basel, Copenhagen, Davis, Freiburg, Houston, Malmo, Portland (OR), Sacramento, Utrecht. Every student in the class, at some point during our travels, commented they “got it” and wouldn’t have without travel to and rides in these notable cycle networks.

Nets, Braids, & Loops conceptualizes modal scales of neighborhood (nets), arterial connectors (braids), and rural routes (loops) to organize investment priorities, design protocols, and intervention strategies to transition from policies of segmentation to interconnection. Nets, consisting of neighborhood streets, are stitched together at strategic locations to obtain high connectivity where high proximity already exists. Braids strategies identify important corridors that link areas of the community—multiple “segments” of road, riparian corridors, utility rights-of-way, and/or rail lines—to provide important connectivity through the metropolitan area. Loops strategies provide safe, long-distance cycling around the county and link satellite communities to the urban core. Extensions of this system would link to a larger, statewide bicycle network and ultimately connect the two Florida coasts.

Nets, Braids, & Loops strategies were presented to the public in a well-received community workshop facilitated by the students to refine the proposal and develop community priorities. Eight high-priority Braids were established to provide the core components of the future network. The Transporting Ecologies studio linked academic research and design expertise with the resources of the local government to develop infrastructural strategies, conceptual innovation, and explorative design alternatives. In this case, clear initiatives and priorities were established, vetted through community interaction.

In June 2004, Transporting Ecologies: Alachua Countywide Bicycle Master Plan Addendum was adopted by the MTPO. The project, including the case studies report, community presentations, final report, and mapping studies is available on-line at <http://www.transportingecologies.com>. In the next academic–public partnership phase work will focus on individual components of the countywide bicycle network, integration with other transportation modes, finding stronger links with related initiatives such as public health, and the continued development of sustainable transporting ecologies.

GREEN ARCHITECTURE CURRICULUM PROJECT

Recognizing the need for more sustainable design teaching tools, Ecotone Publishing LLC (<http://www.ecotonedesign.com>), the first exclusive green architecture and design book publisher, unveiled the Green Architecture Curriculum project, a three-year international program to develop and introduce pedagogic tools on green design for architecture students—including the best samples from student work and instructor teaching ideas. Participants will then test the handbook in their classes and provide further input, helping to make the handbook a “living textbook.” Ecotone will also help develop a range of instructor tools such as PowerPoint presentation. Ecotone is now accepting volunteer collaborators. Interested faculty can sign up for the pilot program by contacting Ecotone at <info@ecotonedesign.com>.

ARCC BOARD FOR 2005

The Architectural Research Centers Consortium (ARCC) held its annual meeting and short retreat in Houston in November. At the annual meeting Fatih Rifki stepped down as ARCC president, and J. Brooke Harrington was elected president. The newly elected board includes Leonard Bachman (University of Houston), Daniel Doz (Norwich University), Lucie Fontein (Carleton University), Walter Grondzik (Florida A&M University), Alison Kwok (University of Oregon), Michel Mounayer (Ball State University), Brian Sinclair (University of Calgary), Stephen Weeks (University of Minnesota), and James West (Mississippi State). ARCC gives special thanks to Fatih for his work during his presidency; he will remain on the board as the past president.

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Jane Moore tries to intimidate ed. with a smile prior to putting the leather (or an ersatz facsimile) to the asphalt. Sadly, she was defeated two games to one under the seering December sun in North Clearwater Beach, FL.
CALL FOR ...

GREENING OF THE CAMPUS 6

Call for Papers (submission deadline: February 11, 2005)—Ball State University’s 2005 conference (September 15–17, Muncie, IN) theme is “Extending Connections.” We seek paper, poster, and workshop presentations that illustrate the important role colleges and universities play in cultivating the awareness, understanding, and/or ability of students, faculty, professional staff, and their many public constituencies to enhance the health, integrity, and long-term sustainability of the places where they live and work. More info at <http://www.bsu.edu/greening>.

-Rob Koester

JOURNAL OF GREEN BUILDING

College Publishing of Glen Allen, VA, has announced the inaugural edition of the Journal of Green Building will be published in Spring 2005. Edited by Annie Pearce of Georgia Tech, the peer-reviewed, technical journal will provide a high-quality, interdisciplinary forum for advancing the state of knowledge about green buildings.

To be considered for the primer issue, papers must be submitted for review by December 31, 2004. The target publication date is May 15, 2005. Submission guidelines and information about the journal are available online at <http://www.collegepublishing.us/journal.htm> or from the editor at greenbuilding@collegepublishing.us.

—John Quale

THE WORLD’S FIRST SWIKIPEAEDIA

The Architecture Research Unit at Oxford Brookes University is developing the first on-line Wikipedia (open-source encyclopedia) devoted to Sustainable Buildings. The web site is being built with the Energy and Resources Institute of India and the Institut Català d’Energia of Spain thanks to a 2-year European Commission-funded project. The site will include tools on building performance evaluation, case studies, e-forums, and links to other online resources. We are inviting you to join this exciting test of whether “open-source” science really works. Become a Swiker devoted—together we can make it work. For further information please contact Rajat Gupta rgupta@brookes.ac.uk or see <http://www.sustainable-buildings.org>.

—Sue Rey

JOB SHEET

ARIZONA STATE UNIVERSITY—<http://WWW.ASU.EDU/CAED/10A>

Building Technology—The School of Architecture and Landscape Architecture invites applicants for a full-time, tenure-track appointment beginning Fall 2005, at the rank of assistant or associate professor, contingent on accomplishments appropriate to rank.

Submit a letter of interest addressing areas of teaching, creative activity, research and/or scholarship; a curriculum vitae; transcripts of academic record; examples of course syllabi; evidence of research and/or scholarship and, where applicable, other creative work. Please include the names, postal addresses, phone/fax numbers, and e-mail addresses of four references. Applications will be reviewed commencing January 31, 2005, continuing every two weeks thereafter until the search is closed. Send applications to: Building Technology Search Committee; School of Architecture & Landscape Architecture; Arizona State University; PO Box 871605; SW Corner University & Forest; Tempe, AZ 85287–1605. An AA/EO employer.

CAL POLY, SAN LUIS OBISPO—<http://WWW.CALPOLYJOBS.ORG>

Beginning Design and Visual Communication Req. #100434, Assistant/Associate Professor; Tenure Track and Req. #100433, Full-Time Lecturers

Complete the on-line faculty application, and then apply to one or both of the above requisitions. In addition, submit all the following application materials prior to the closing date: (1) curriculum vitae; (2) a statement of intent including the candidate’s teaching, scholarly, and professional interests; and (3) evidence of teaching, scholarship, or creative practice or work relevant to position(s) in 8½”x11” format. Electronic submissions of this material are not accepted. Mail the additional materials to Architecture Department; Cal Poly State University; One Grand Avenue; San Luis Obispo, CA 93407. Candidates selected for interview will be required to provide three letters of recommendation. Transcripts confirming degrees are required prior to appointment. Deadline for receipt of all application materials: January 15, 2005.

THE CATHOLIC UNIVERSITY OF AMERICA—<http://ARCHITECTURE.CUA.EDU>

The School of Architecture and Planning seeks full-time, tenure-track faculty in Environmental Systems Design and Sustainability or in Structural Design.

Please send a letter of interest; a curriculum vitae; a one-page written statement of professional, pedagogical, and research interests and goals; a 10-page (max.) nonreturnable portfolio; and the names, addresses, phone numbers, and e-mail addresses of three references to: Chair, Faculty Search Committee; School of Architecture and Planning; The Catholic University of America; Washington, DC 20064. We will begin reviewing applications in mid-January 2005 and continue until the positions are filled. An AA/EO employer.

PENNSTATE UNIVERSITY COLLEGE OF TECHNOLOGY

The Architecture Research Unit at Oxford Brookes University is developing the first on-line Wikipedia (open-source encyclopedia) devoted to Sustainable Buildings. The web site is being built with the Energy and Resources Institute of India and the Institut Català d’Energia of Spain thanks to a 2-year European Commission-funded project. The site will include tools on building performance evaluation, case studies, e-forums, and links to other online resources. We are inviting you to join this exciting test of whether “open-source” science really works. Become a Swiker devoted—together we can make it work. For further information please contact Rajat Gupta rgupta@brookes.ac.uk or see <http://www.sustainable-buildings.org>.

—Sue Rey

UNIVERSITY OF WASHINGTON—<http://DEPTS.WASHINGTON.EDU/ARCHDEPT/>

Applications are invited for a full-time Assistant Professor of Digital Media and Design Computing for the 2005–2006 academic year.

Applications must be in 8½”x11” or A4 format and include the following: Current curriculum vitae; short statement of interest outlining teaching, research, and/or practice interests (2 pp. max.); preliminary evidence of teaching/creative achievement/research (10 pp max.); names, addresses, phone/fax numbers, and email of at least three references. These materials will not be returned. The candidate should be prepared to send, on short notice, a complete portfolio of work. The portfolio will be returned. Send completed applications to: Faculty Search Committee; Department of Architecture, Box 355720; University of Washington; Seattle, WA 98195–5720. Applications are accepted on a rolling basis. Review of applications begins January 8, 2005, and will continue until the position is filled. For further information, email archsrch@u.washington.edu. An AA/EO employer.
BUILDING RESEARCH AND INFORMATION DISCOUNTS

The latest issue of Building Research and Information announces SBSE’s endorsement of BRI “for its content, high quality, scope, and relevance to its members.” If you weren’t at the last retreat or don’t know BRI, it truly is a high-quality research journal edited by Richard Lorch and published by Spon Press (U.K.). Check it out at <http://www.tandf.co.uk/journals/titles/09613218.html>. On the web page you will see that as an SBSE member you are eligible for a deeply discounted subscription rate of US $99/year. The real promise of BRI for SBSEers is as a venue for publication. Enjoy!

—Jim Weisky

DAYLIGHTING SOFTWARE

Go to <http://www.archiphysics.com> for Windows- and Mac OSX-based shareware I have been working on for the past year. My daylighting program attempts to combine aesthetics, daylighting, and energy use. Its basis is that every decision we make changes the whole. With a user interface similar to a CAD or drawing program, the user is presented with a wall, a window, and a plan of the workplane. As the user changes the size or position of the window, the daylight distribution and UA value are updated. The height of the workplane can be adjusted by dragging the workplane line up or down. Window and wall properties can be changed, and the results are displayed almost instantly. The program has only been tested by my eleven-year-old daughter and me. Thanks to Jeff Culp and Nick Rajkovich who also looked at a preliminary version. If you use the program, please e-mail feedback to <troy@archiphysics.com> so I can improve it. Check the site often as I have three other programs (Passive Solar Heating, Human Comfort, and MRT) almost ready to post. [These and more are now posted!—ed.]

—Troy Peters

ENERGYPLUS 1.2.1

The newest version of EnergyPlus was released on October 1, 2004, and is now available in versions for both the Windows and Linux operating systems. You can download EnergyPlus at no cost from <http://www.energyplus.gov>

What’s New in EnergyPlus 1.2.1? The new features include Daylighting (skylight light wells, daylighting through interior windows, translucent glass)—see <http://www.energyplus.gov/features.html> for the complete features list. How does EnergyPlus compare with DOE-2.1E or BLAST? Check out our paper from the SimBuild 2004 conference: <http://ccac.colorado.edu/ibpsa/ocs/viewpaper.php?id=75>. Where’s the GUIs? A number of graphical user interfaces for EnergyPlus are under development. Three (DesignBuilder, EP-QUICK, EPlusInterface) are currently available in development (beta) versions while the fourth (E+IEQ) is planned for 2005. Watch <http://www.energyplus.gov/ep_interfaces.html> for up-to-date information on these and other interfaces.

Weather Data for more than 680 locations worldwide are available at <http://www.energyplus.gov/weatherdata.html>. If you know of or have other weather data that you’d be willing to share with the EnergyPlus user community, please contact <Drury.Crawley@ee.doe.gov>.

—Drury Crawley

GREEN BUILDING PRODUCTS

BuildingGreen, the publisher of Environmental Building News, is pleased to announce the publication of Green Building Products. Available in December, this directory for home builders includes more than 1,400 products from the GreenSpec® database. “Whether building new or remodeling, this book will play an important role in helping home builders and homeowners green their homes,” said co-editor Alex Wilson. The directory includes everything from precast concrete foundation systems to recycled-plastic roofing shingles and top-efficiency heating equipment. Products are organized according to building component, but can also be found in the index under manufacturer or product name. Photos for about 300 products are included. Manufacturers do not pay to have their products included in Green Building Products nor in the GreenSpec database. “We base selection on careful in-house review by our editorial staff,” said Wilson. “Keeping an arm’s-length relationship from manufacturers allows us to be unbiased when evaluating company claims.” Green Building Products sells for $34.95 (plus shipping) and is available from <http://www.BuildingGreen.com> or 800.861.0954 as well as at selected book sellers.

—Arlynn Wilson

SBSE PEOPLE

On November 30 the AIA and ACSA selected Edward Allen, FAIA, to receive the 2005 Topaz Medallion for Excellence in Architectural Education. For the full story see <http://www.aia.org/aiarchitect/thisweek120304.asp>. The award honors an individual who has made outstanding contributions to architectural education for at least ten years and whose teaching has influenced a broad range of students and shaped the minds of those who will shape our environment. “Had it not been for Redfish Lake, Notes to Myself would not have come into being, so you’ve [read “SBSE has”—ed.] played a role in this award. I could name dozens of other worthy candidates, starting with the late Jeff Cook, Ralph Knowles, John Reynolds, and about half the SBSE membership. I feel that in some way I’m an impostor standing in for all of them. Ed’s ego is really out of control, ain’t it?—ed.] I will try to be worthy of the honor of doing so.”

Anat Geva received a Presidential Citation Award from APTI (Association for Preservation Technology International) for excellence in fulfilling the role of Book Review Editor of the APT Bulletin from 2000 to 2004.

Available [cont.]

photo: Rob Peña

FORWARD INTO THE PAST OR THE FUTURE?

Last Saturday, PE Drew Gillett and I discussed solar heating and energy savings with the Bruderhof Design/Build Group near Albany, NY. They have 2 architects, about 6 office workers, and construction help as needed. They’ve done outside work (airplane hangars), but lately they only work for the Bruderhof, a Christian family organization with about 2,000 members in 11 locations in England, Germany, Australia, and the U.S. (NY and PA). They plan to establish 3 more locations in the next 3 years.

As pacifists, they are concerned about using oil. Architect Pete Weeks met us at the train station in 1 of their 10 VW Jettas powered by used French fry oil! The Bruderhof live frugally, with 340 people and 30 buildings on 100 acres at Woodcrest in Rifton, NY. The oldest member is 99; the youngest was born 2 weeks ago. We reviewed plans for a new “2-family dwelling” for 50–60 people living as families, sharing facilities, while working in on-site businesses.

This year Woodcrest decided (by strict consensus, as usual) to leave the heat off until Saturday, November 20 and learn to live in 50°F buildings with sweaters, as do their counterparts at the English sites. The weather was mild, and they still hadn’t turned on the heat as of Sunday morning [Nov. 28–ed.]. They heat with oil, propane, and wood—200 cords per year at Woodcrest, burned in large efficient Bruderhof-built boilers with 380°F stack temperatures. They buy wood chips ($900 for 30 cubic yards, equivalent to oil at 15 cents per gallon) and burn them in a new automatic 2.5-million Btuh boiler, equivalent to about 50 home boilers. They are looking into cogeneration.

They’ve come far in energy conservation. I didn’t see a single incandescent bulb on our visit. I did see someone walk into a room, turn off a 26-watt CF ceiling light, and turn on a 5-watt CF task light over a table. [Bravo! We could all follow this example!–ed.]

—Nick Pine