Society of Building Science Educators
SBSE NEWS Fall 2001

photo: Terri Meyer Boake

Cool UTexas courtyard where SBSEers attending the ACSA Technology Conference sought shelter from 55ºC surface temperatures on the street.

BURNIN' UP IN AUSTIN—COOL IN RACINE

2001 ACSA TECHNOLOGY CONFERENCE AND MATERIALS INSTITUTE "SKINS: WHERE DESIGN AND TECHNOLOGY MEET"

Enticed by "Skins," I submitted a couple of papers, not only to keep the publication watchdog committee at UW happy, but because I anticipated an intense dialogue between those who usually teach construction and teachers of environmental systems. The "Skins" theme so captivated me that I gave no thought to comfort issues nor why anyone would go to Texas in July when the temperature hung around 100°F most of the time. Thankfully, the University of Texas at Austin is an excellent facility (you can see your reflection in the shiny finish on their natural stone floors! *[The shine proves the excellence!–ed.]*), yet ironically I was forced to purchase a sweater to keep warm in the lecture hall!

Although this ACSA Technology Conference was not as well-subscribed as some I have attended, its content and sessions were extremely well-organized. This rare conference format afforded the luxury no concurrent sessions, therefore no choices to make among the wide range of high-quality papers. The proceedings will be a good buy, and I understand that ACSA anticipates completing them by the end of the year. Ordering information will be available on the ACSA web site <http://www.acsa-arch.org>, the IAR web site <http://www.iaronline.org>, or through the *ACSA News*.

Maurya Mclintock of the Arup Group gave a paper outlining the technical issues that have arisen in the design of double-skin buildings. (Arup recently completed work on the double-skin wall of the Seattle Justice Center.) Discussion at her paper session focused on the wide range of technical questions and uncertainty about this very technical enclosure design method. It also leads to the realization that there is yet another field of technical specialization that requires specific education for both architecture and engineering students. Maurya wants to begin a dialogue with SBSE on educating this new field of "skins engineers." Is anyone addressing this topic? Should we? How should we?

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SBSE CALENDAR

2001

Oct 4–6	ASU Cooling Frontiers Symp.;Tempe, AZ
Oct 15	ARCC/EAAE Research Conf. abstracts due
Nov 1	ASES Solar2002 abstracts due

2002

May 22–26	ARCC/EAAE Research Conf.; Montréal, QB
Jun 12–14	SBSE Retreat; Hope Valley, CA
Jun 15–19	ASES Solar2002 Conf.; Reno, NV
Oct 3–5	ACSA Techology Conf.; Portland, OR

SBSE POLLS STILL OPEN

A second-chance ballot is enclosed. If you haven't already voted, please fill it out and send it to our Secretary/Treasurer, Terri Meyer Boake.

photo: City of Seattle web site

Design rendering of the new Seattle Justice Center.

LETTERS TO THE EDITOR

Thanks for your work on the Redfish Lake retreat. It was great!

I just returned to Auburn to find that I never got the last *SBSE News*. I thought it would be waiting for me there. The last issue I got was Spring 2001. I was told there was a more recent issue that included a review of my book. Wouldn't you know that it would be the one issue I don't get. Typical of life! Do you have an extra copy to send me? I would greatly appreciate it.

– Norbert Lechner, Auburn

[Thanks for the coonskin caps (see photo in summer issue.)! I wonder what's up with the USPS; several others have reported non-delivery. Anyone else need a summer News*?–ed.]*

I finally got to USC today and picked up my copy of the *SBSE News*. You do a great job and the piece on Dynamic Solar Envelopes in Research News looked very good. Pierre Koenig and I appreciated it, especially since it appeared in the same section with John Reynolds, one of the really good guys.

– Ralph Knowles, USC

[Thanks, Ralph! At least you got the News*! I was worried that they all went to some dead letter office in Nome.–ed.]*

That was a great little recap of the California problem; along with the image of the grid

• continued next page

SBSE News is published quarterly by the Society of Building Science Educators, a not-for-profit corporation. Material for publication should be submitted to Bruce Haglund, Editor; Department of Architecture; University of Idaho; PO Box 442451; Moscow, ID 83844–2451; phone 208.885.6781, fax 208.885.9428; e-mail <bhaglund@uidaho.edu>; before the first of March, June, September, or December. Membership and mailing list inquiries should be directed to Terri Meyer Boake, Secretary/Treasurer; School of Architecture; University of Waterloo; Waterloo, ON; Canada N2L 3G1; phone 519.885.1211 x6647; fax 519.746.0512; e-mail <tboake@uwaterloo.ca>. Join the SBSE list server by sending **subscribe sbse** to <majordomo@uidaho.edu>. Visit our home page <http://www.polaris.net/~sbse/web/>.

NOTES ON WANDERING IN THE U.K.

I had the pleasure of visiting Oxford Brookes University and the Ecohouse situated in a lovely neighborhood of Oxfordshire houses. Sue Roaf walks the talk. She lives in the Ecohouse she designed to demonstrate the principles of stack ventilation, sunspaces, net metered photovoltaics, solar water panels, moving heat by "thermal landscaping" from a pellet stove, and recycling rainwater for watering the garden. I can testify that the house was cool and comfortable during one of the hottest days in July. Over the year the house maintains an even 20°C (Sue monitors every room) and her energy bills on average are about $3 per month. Many know Sue Roaf through her tireless efforts to improve the teaching of sustainable architecture (an SBSE kindred spirit) not only in Europe, but internationally through the Teaching in Architecture (TIA) conferences. With Fergus Nicol, senior researcher in thermal comfort, they lead the Oxford Centre for Sustainable Development in Architecture <http://www.brookes.ac.uk/schools/arch/res/ocsd.html>. If you can't make it to Oxford, more details are available in a newly published book (August 2001) *Ecohouse: A Design Guide*, by Architectural Press.

Sue's Ecohouse, garden view.

Sue Roaf and Fergus Nicol plot a sustainable future.

photos: Alison Kwok

The very cool towers at Coventry.

A brief train ride from Oxford (or London) will get you to a new, passive solar library by Alan Short and Associates at Coventry University. The building has 4 floors above ground on a square plan made of brick finish with double-glazed argon-filled windows. The natural ventilation strategy for the 9000 m^2 building includes vertical, corner lightwells for air supply and removal, supplemented by distinctive perimeter exhaust stack towers with custom-designed aluminum terminations. The corner lightwells have glazed roofs with actuated window vents to allow venting in hot weather. Fluorescent T5 fittings give substantial uplighting as well as downlighting in the general areas of the library. Several librarians commented on the comfort and sense of "airy space," and I measured a pleasant 0.6 m/s breeze passing through the lightwell into the library! More information is presented in the December 2000 issue of *Building Service Journal*, pp. 18–22.

–Alison Kwok

SBSE CLIO AWARD NOMINEE?

Have you seen Nike's new ad, "Shade Running?" It features a runner moving through New York, avoiding the sun, finding comfort in the shade of all things urban from the mundane to the imaginative. It's as if Alison Kwok were moonlighting as a Nike publicist—pure thermal comfort poetry!

– Bruce Haglund

BURNIN' UP IN AUSTIN—COOL IN RACINE [CONT.]

The conference incorporated the Construction Materials Institute into its very full agenda. The presentation by the Precast Concrete Institute was extremely informative and provided a detailed construction case study of Isozaki's Columbus Science Center. There was also a fascinating video of seismic testing being done by the precast industry. Their precast plant tour was interesting and very HOT, but they provided a well-appreciated classic Texas BBQ. The Nickel Development Institute sponsored a thorough presentation on stainless steel—although I admit to not taking all the stainless plate samples that were offered. The American Wood Council also gave a presentation with some helpful web links for obtaining teaching and reference materials. On Sunday evening UTexas Dean Lawrence Speck led a tour of his project, the Austin Convention Center addition, with its innovative steel framing system for the atrium entrance and its exemplary PV wall.

I thought "Skins" a topic that might draw SBSE members to an ACSA Technology venue. There was, however, only a small number of SBSE participants—Diane Armpriest, Idaho; Paul Clark, UNCC (for a brief, but meaningful, appearance as my session moderator); Mike Garrison, Texas; Mitra Kanaani, Newschool; Norbert Lechner, Auburn (with a captivating presentation on his latest sun emulator and the cute 1:5 model!); Bruce Lonnman, Chinese University of Hong Kong; Philip Mead, Texas Tech; and Tahar Messadi, Georgia Tech.

Let's have a larger SBSE contingent at the 2002 ACSA Technology Conference in Portland, Oregon, in Fall 2002 (chaired by Christine Theodoropolous). Portland in the Fall will be far more temperate than Austin in July! I know we have a concentration of members "over there" on the West Coast!

– Terri Meyer Boake

SECOND NATURE WORKSHOP AT WINGSPREAD "HOW CAN THE ARCHITECT CONTRIBUTE TO A SUSTAINABLE WORLD?"

Second Nature recently held an intimate workshop entitled, "How Can the Architect Contribute to a Sustainable World?" Mary Guzowski, Jim Wasley, and I attended, representing SBSE. This interesting meeting may lead to funded action through Second Nature and affiliated organizations (AIA COTE and ACSA) and exposed the glory of Wingspread with the wonderful Johnson Foundation staff. The conference provided a mix of presentations—Tom Fisher, Vivian Loftness, William McDonough, David Orr, LaVerne Wells–Bowie—and small- and large-group discussion time. The attendees made the conference look like a reunion from an ASES conference—I won't say which year.

Although the conference title suggested a huge agenda, the working objective of Second Nature was much more focused: "to develop a strategy for the integration of sustainable or 'green' design principles into architecture school education and beyond." Even though focused, this objective was still daunting, as evidenced by two days of discussion, debate, proposal, and reflection. Second Nature has established a set of web resources to address and move on this issue. Rather than try to summarize all that went on at Wingspread, I refer you to their information and resources web site <http://www.secondnature.org/highlights/highlights_design_program.html>.

There are three important and fundamental areas where SBSE members can contribute to the work of Second Nature, which quite nicely overlaps our efforts and aspirations.

1. Strengthen NAAB accreditation criteria that address sustainability and green building design. (SBSE is the logical group to spearhead this effort.)
2. Develop a benchmark of current architectural education efforts related to sustainability and green building design. (Who better than SBSE to develop this benchmark?)
3. Develop a strategy to integrate sustainability and green building design into architectural curricula. (SBSE members should play a leadership role.)

I'll be asking for your input and thoughts on these three issues via the SBSE listserver over the next few months. Please contribute; procrastination and passing the buck are not viable options. PBS suggests, "Stay curious." Then asks, "If not you, then who?"

– Walter Grondzik

LETTERS [CONTINUED FROM P.2]

problem. California deserves much respect for leading the way in energy conservation. Deregulation results are completely different. Thanks to California for going first. I hope our Arizona Commissioners can learn something.

– Dave Scheatzle, ASU

[I love energy crises! They seem to be the most powerful means to effect widespread changes in society. Remember 1970-something?–ed.]

There is an interesting article on deregulation at <http://www.prospect.org/print/V12/15/goozner-m.html>. It is critical and skeptical of much of the process, but also offers a lot of background on how the movement toward deregulation got rolling.

– Bill Burke, Pacific Energy Center

[Thanks for the great follow-up to your brilliant editorial. Praise flowed in from all over the land. Pity Alison who provides this quarter's op-ed column in your vast shadow!–ed.]

A design competition, conducted for a new academic building to house our program along with the Art and Design Division and the campus library, was won by Alan Short and Associates of London, England. The plan is to transplant a naturally vented academic building to the Chicago climate. It is an interesting experience to be involved in an academic community that is programming the facilty and a design process that seeks to incorporate some of the ideas we promote in the classroom. Alan has asked that I get some examples of energy consumption in comparable academic buildings so the potential savings in this new building can be demonstrated. Any suggestions are welcome.

– Jack Kremers, Judson

[Our wonderful old architecture building features a cathedral ceiling insulated only by the ¾" wooden roof deck. Its interior surface reaches 120°F on sunny summer days and keeps the roof snow-free in winter. Would this example be helpful?–ed.]

• continued page 5

SBSE PEOPLE

☼ **Emad Afifi** has decided to go back to full-time teaching and research after serving for six years as architecture department chair at the Savannah College of Art and Design. He looks forward to having more time for intellectual and creative work (with a focus on research, development, and design of building-integrated PV systems) and less for politics and people-management!

✈ Returning to Korea, **Chungyoon Chun** is now teaching ECS and Sustainable Design at Yonsei University.

Murray Milne received the ASES 2001 Passive Pioneer Award (see below) and went north to Alaska with his daughter Christine to help build a Habitat for Humanity home. *[I suspect the two acts are related.–ed.]*

✢ Judson College welcomes **David Ogoli** from the University of Florida as the Environmental Controls faculty member. Now **Jack Kremers** can concentrate on infiltrating the rest of the five-year-old program.

⚖ **Fatih Rifki** has paid his dues as the Director of the School of Architecture and has shed the responsibility. However, still bitten by the administration bug, he is now the Director of the College of Design Graduate Studies and the Ph.D. Program at NCSU!

ASES PASSIVE PIONEER 2001

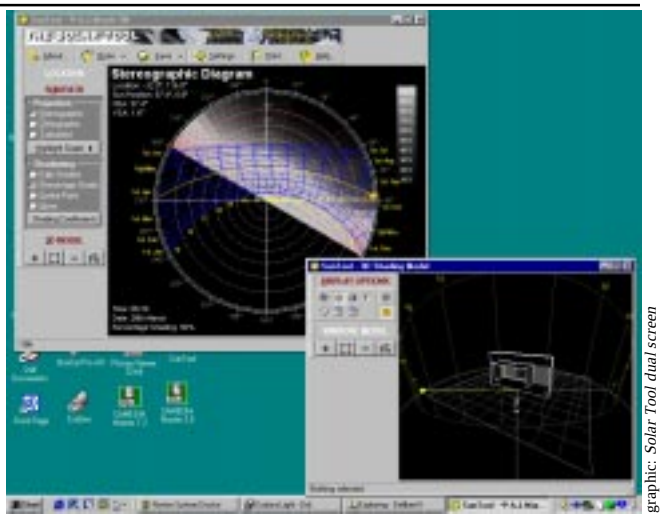
Murray Milne, Professor Emeritus at University of California, Los Angeles, has been an award-winning designer, distinguished scholar, and dedicated teacher. For over thirty-five years he has educated several generations of students in the climatic response of buildings. His substantial research program has evolved into a suite of highly accessible and usable passive design tools. Now available free-of-charge and downloadable via the internet, these tools have been used by hundreds of passive design professionals and students. He has also served as associate dean at UCLA, was awarded the prestigious Guggenheim Fellowship, and has been active in numerous academic organizations. Thus, Murray Milne has not only provided exceptional service and leadership within that body of dedication we call "passive design," but he has originated instruments of service and change that place him among the true leaders of our field.

– Harvey Bryan

STUFF FOR YOU

FROM DOWN UNDER AND KANSAS

Last Spring semester, we used two programs (*Suntect* and *Suntool*) by Andrew Marsh from Western Australia University, which were mentioned in the *SBSE News*. They have now been revised, and the new improved version, *The Solar Tool*, is available as shareware at <http://www.squ1.com>. Other interesting software is available at this site, as well as a discussion of issues.



graphic: *Solar Tool dual screen*

With the new, improved Solar Tool you can simultaneously view the sun path and shading effectiveness. [Southern hemisphere sun shown.]

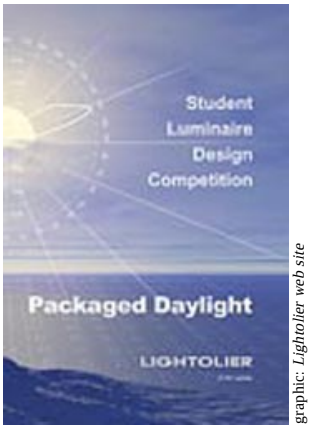
Also of interest is an online lighting e-textbook by Clay Belcher and Ronald Helms, *Lighting—the Electronic Textbook*, at <http://www.arce.ukans.edu/book/contents.htm>.

– Truett James

INTEGRATED LIGHTING FIXTURE DESIGN COMPETITION

Lightolier is sponsoring a Student Luminaire Design Competition called, "Packaged Daylight: An Integrated Daylight/Electric Light Fixture." The challenge is to design an integrated product that delivers both daylighting and electric lighting to an interior building space. The product should be widely applicable and meet the needs of either a single-story office or medical building, retail store, educational or light manufacturing facility, warehouse, or residence. Sounds like an interesting student project with good prize money and more. It runs from August 15, 2001, to submission on April 15, 2002. Details are provided at Lightolier's website <http://www.lightolier.com/>.

– Truett James



graphic: *Lightolier web site*

THE SUN ANGLE CALCULATOR

The out-of-print *LOFSAC*s will soon be available again! *[This month, we hope!–ed.]* This handy tool provides a relatively simple method for determining solar geometry variables in architectural design, such as designing shading devices or locating the position of the sun relative to a particular latitude and time. This quick, accurate tool has been used extensively by academics, researchers, and design professionals for the past 50 years. SBSE has been granted permission to reproduce and distribute the *Sun Angle Calculator* now by Pilkington, that's printed on a high-quality styrene with a nylon screw and nut for quick assembly (no more chasing the little brass screws all over the lecture hall!). Price will be about $11 for educational use, $22 for design professionals' use, plus shipping and handling.

Each Pilkington *SAC* will contain 9 sunpath charts for northern latitudes, 1 profile angle (red) overlay, 1 equidistant altitude cursor, plus an assembly screw and nut. Fuller Moore and Steve Selkowitz have generously granted permission to reproduce the daylight factor dot charts (Fuller Moore, 1985) and illuminance contour overlays (Steve Selkowitz 1981) for use in conjunction with the Pilkington *SAC*. These additional components will be made available pending interest and favorable cost.

• continued next page

LIKELY 2002 RETREAT SITE

We've found a likely site for next year's retreat high in the Sierras, south of Lake Tahoe, about 1.25 hours from Reno. The proprietors are friendly and the facilities accommodating. Imagine your participation by viewing <http://www.sorensensresort.com/sorensenshome.html>.

Sorensen's web site proclaims, "Located along the Sierra's Old Emigrant Trail, a perfect place for circling your wagons, reshaping your goals, polishing policies, or establishing new vision. With our lovely wilderness setting, friendly ambience, and quiet gathering spaces, Sorensen's is an ideal setting for your special event. Our collection of cabins makes a relaxed setting for small conferences, seminars, and workshops. In the two-story Norway House we can accommodate up to 50 participants in theater-style seating. Smaller cabins or outdoor sites can serve as break-out areas. Though we see ourselves as a low-tech resort (no phones in cabins, no TVs), we do offer computer link-ups and fax in the resort office.

"Our café serves delicious meals three times a day. In between, guests can stop by for a complementary cup of coffee or cocoa and afternoon glass of wine. Some of our specialties include classic beef burgundy stew, grilled salmon, New York steak, BBQ chicken and ribs, garden-fresh salads, and sumptuous homemade desserts. We also offer an assortment of fine wine, champagne, and imported and domestic beer. The café is open from 7:30 a.m. to 9 p.m. daily."

Stay tuned for full Retreat 2002 details in the December *SBSE News*.

– Robert Marcial and Bruce Haglund

photos: Robert Marcial

STUFF FOR YOU [CONTINUED]

The Pilkington manual, "Designing with the Pilkington Sun Angle Calculator," may be downloaded from the Pilkington North America (PNA) web site <http://pilkington.com/sunmanagement> or the SBSE web site <http://www.polaris.net/~sbse/web/pnasac.html>.

In 1986 the Libbey–Owens–Ford company was acquired by Pilkington, the largest global glass manufacturer, and is now referred to as Pilkington North America (PNA). No portion of this package may be reproduced, translated, or transmitted in any form or manner by any means, including but not limited to graphic, electronic, and mechanical methods without explicit written consent from Pilkington. Stay tuned to the SBSE web site for full details.

–Alison Kwok

CALLS

ARCC/EAAE RESEARCH CONFERENCE

ARCC has changed the venue to McGill University, Montréal, Québec, May 22–26, 2002—an excellent venue for almost any paper topic to be conceived by the mind of an SBSE member … and Montréal to boot! For abstract and paper submission formats in addition to other conference information, see the ARCC web site <http://www.polaris.net/~arcc/web/call2002.htm>.

Abstract Deadline: 15 October 2001
Full Paper Deadline: 1 February 2002

TEXTBOOK REVIEW

Leonard R. Bachman has finished his draft of *Integrated Buildings: Methods and Case Studies in Systems Architecture* (Wiley, 400 pages, 100 photos, 200 dwgs). Any interested reviewers? Please contact Leonard directly <lbachman@houston.rr.com> or, if you prefer, Amanda Miller <amiller@wiley.com> or Jennifer Ackerman <jackerma@wiley.com> at Wiley editorial.

SOLAR 2002

Solar 2002 (Reno in June) has various deadlines over the next few months for ASME peer-reviewed papers (soon), workshops (not quite so soon), and abstract-reviewed technical papers (mid-fall). See <http://www.solarenergyforum.org/solar2002/papers.html> for information.

AND MORE

There is an up-to-date calendar of SBSE-friendly events on our web site. Just click "Calendar" at: <http://www.polaris.net/~arcc/web/>.

LETTERS [CONTINUED FROM P.3]

Redfish Lake omiyage follow-up—I found a web site that nicely supplements the CoolTower sizing program and digital slides of the Zion National Park Visitor Center that I gave everyone attending the retreat. It has a lot more building information as well as a virtual walk-around of the building. The URL is <http://www.eren.doe.gov/buildings/highperformance/zion/>.

– Harvey Bryan, ASU

[Thanks, Harvey! I'm working on a complete guide to the Redfish Lake omiyage. It was an amazing haul of great stuff! SBSE, stay tuned to the retreat web site.–ed.]

ATTRACTIONS

ANZASCA 35

The Australia and New Zealand Architectural Science Association will hold its 35th conference, "Computer-Mediated Reality: Crafting Design Quality," in Wellington, NZ, 21–23 November 2001. For further information visit <http://www.arch.vuw.ac.nz/activities/events/2001/anzas/index.html>.

– Veronica Soebarto

COOLING FRONTIERS

The ASU School of Architecture will hold a Research Symposium, "Cooling Frontiers," 4–7 October 2001. The theme is the cutting edge of cooling research and applications in the built environment.

Registration and information: Betty or Donna 480.965.3536 or <donna.geary@asu.edu>. Last day for registration is Wednesday, 26 September, 5:00 p.m. MST. Though the symposium is complementary, registration is required.

– Jeff Cook

CALL FOR SBSE SLIDES

As you finish your summer travels or book writing, please contribute your slide sets for the SBSE digital slide collection. You may contribute slides in two ways: (1) Send a Kodak Photo CD of your slide images; (2) Send us your slides (or high-quality duplicates), and we'll have them transferred to Photo CDs.

Slide sets should be your original images (i.e., no images of journals, cartoons, duplicates of copyrighted material), contain electronic annotation for each slide (word processing program or HTML), and copyright permission allowing SBSE to use the images for educational purposes only. Please send image contributions to Alison Kwok <akwok@darkwing.uoregon.edu> by October 1, 2001.

Take a look at our current collection and order your CDs for the upcoming year. The CDs are available now for US$12 each (includes shipping). Complete information on each CD (with sample images, thanks to Jeff Culp and Bob Koester)—including ordering information—can be found at <http://www.bsu.edu/provost/ceres/sbse>.

–Alison Kwok

RESEARCH NOTES

THE UNSEEN AT ASU

Cal Poly's Renewable Energy Institute has awarded $25,000 to help a team of Arizona State University faculty develop a Web-based tool architects could use to help them design more-energy-efficient buildings. The software will teach architects how heated and cooled interior surfaces can save energy and provide better comfort than conventional forced-air, energy-intensive mechanical systems. Harvey Bryan and David Scheatzle are the third recipients of the SBSE/Evelyn and Harold Hay Fund award, which is administered through Cal Poly's Renewable Energy Institute. Their proposal, "Visualizing the Invisible: Understanding the Radiant Phenomena," will use results of previous research conducted at Cal Poly.

For more information, call Margot McDonald, institute co-director, at 805.756.1298 or visit <http://www.calpoly.edu/~rgp/Research/rei.html>.

– Harvey Bryan

AGENTS OF CHANGE AT OREGON

FIPSE has granted an extension to UO's Agents of Change project. Activities will include contacting all the folks who attended the four Vital Signs training sessions to assess changes in teaching and learning. Stay tuned for contact by our evaluators Bruce Matsui, Gwen Garrison, and Jennifer Rachford. We will also conduct a mini-training for practitioners at *Buildings VIII: Performance of Exterior Envelopes of Whole Buildings* at the Sheraton Sand Key Resort in Clearwater, FL <http://www.ornl.gov/buildings>. In the meantime, check our web site for highlights of project activities <http://www.uoregon.edu/~aoc/>.

–Alison Kwok

SOLAR DECATHALON AT BOULDER

The Building Systems Program at the University of Colorado, Boulder is pleased to announce our participation in the Solar Decathlon Competition, sponsored by the DOE, AIA, and BP Solar. The competition, featuring 12 selected university teams from around the country, aims to advance small-scale, energy-efficient housing design, specifically featuring BIPV. The competition will take place in Washington, DC (Sep–Oct 2002) when the participating universities will erect small-scale houses (5–800 ft^2), in relatively full operating fashion, directly on the National mall. Teams will then compete in a week of energy-efficiency contests, covering issues such as building thermal conditioning (under strict temperature and relative humidity constraints), energy 'harvesting,' architectural aesthetics, resource conservation, use of sustainable materials, house 'livability,' and media communication to the public. Houses will be "off the grid" during the competition but teams will be encouraged to consider grid-tied applications. Each team must have detailed web sites up and running a full year in advance of the competition and must foster development of cross-disciplinary decathlon-based education opportunities at their respective schools. Our team has now established ties with other engineering departments in our college and developed coursework with the College of Environmental Design (Department of Architecture & Planning) who will offer an upper-division decathlon-based studio this fall (happily putting me back in the classroom for a few weeks to get the architecture students up to speed on the basics!). It's been an exciting project so far, and we are working closely with industry (e.g., home manufacturers, PV companies) to develop a prototype with mass marketability. For more information about the Solar Decathlon Competition visit <http://www.eren.doe.gov/solar_decathlon/solar_decathlon.html>, or visit our team web site <http://solar.colorado.edu>.

–Adam Jackaway

JOB OPPORTUNITIES

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

Asst / Assoc Professors, full-time, tenure-track, 2002–2003 academic year. Salary commensurate with qualifications and experience. Take this outstanding opportunity to join the Cal Poly "learn by doing" approach to architectural education. Recruitment #3652: position in environmental control systems, with additional assignments in design, practice, computer applications in architecture, and / or visual communications.

Minimum qualifications: Terminal degree in architecture (M.Arch.; M.S. Arch. + B.Arch. / Master's in an allied discipline when accompanied by professional licensure; or Ph.D. in architecture); three years' experience in the profession; architectural registration (eligibility for registration acceptable for appointment, but promotion / tenure contingent on registration); related university-level teaching experience.

Preferred qualifications: Preference given to candidates with teaching experience; recognition as project architect / designer of work exhibiting distinguished design; a diverse practice background; exploration in the virtual design arena; and a record of scholarly achievement.

To apply, refer to Recruitment #3652 and submit all the following materials no later than December 15, 2001: (1) letter of application specifying which position you are applying for and why you are interested in the position, (2) Cal Poly faculty application form, (3) architecture department application supplement, (4) current résumé, (5) three letters of reference including telephone numbers, and (6) 8.5"x11" portfolio documenting success in the required experience. Official transcripts confirming degrees are required prior to appointment. To request faculty application and supplemental department application contact us at: Search & Screen Committee; Architecture Department; California Polytechnic State University; San Luis Obispo, CA 93407; phone 805.756.1316; fax 805.756.1500; e-mail <architecture@calpoly.edu>. AA / EEO.

UNIVERSITY OF HONG KONG

The Department of Architecture at the University of Hong Kong has just advertised a post that may appeal to someone in the SBSE community. The department is looking for a candidate with special expertise in the theoretical and practical application of life-cycle costings and embodied energy to join the 'Green Room,' a research unit recently established to explore design and construction futures in Hong Kong and South China. Applicants should hold professional membership in the Hong Kong Institute of Architects or a recognized national institute. Ability to run the postgraduate research school and make full contributions to undergraduate teaching are essential. Preference will be given to those with a strong academic / professional background.

Information on this post can be found at <http://www.hku.hk/apptunit/> under Senior Teaching posts or directly to sublink <http://www.hku.hk/cgi-bin/apptunit/senior/show_vacancy.pl?rf2000-492-1100-20 011031>. The deadline for applications is the end of October 2001. Application forms and other information on employment at the university can also be found at this web site. ▮

WEBS OF DESIRE

Good informative website on pollutants, down to county and town scale. Take a look <http://www.scorecard.org/>.

– Nick Williams

We tried to develop a green guide for WSU a few years ago. Now it's on line <http://www.arch.wsu.edu/~gg>.

– Tom Bartuska

If you are depressed about what you are hearing from Washington about renewable energy, take a look at <http://www.solaraccess.com/download/g8report.pdf> to see what the international community is saying.

– Harvey Bryan

You'll find cool stuff on Seattle's Sustainability resources web site <http://www.cityofseattle.net/light/conserve/sustainability/>.

– Sandra Mallory

The "Ten Shades of Green" exhibition, now on the web at <http://www.tenshadesofgreen.org>, features ten principles and illustrated write-ups of exemplary buildings.

– Bruce Haglund

I plan to take Harold Hay on a field trip on Saturday, September 22, to visit a solar water-treatment plant located just outside Muncie <http://www.garfield.com/news/paws/qtvr.html>. *[No joke!–ed.]* ▮

–Alfredo Fernandez-Gonzalez

AN INVITATION TO YAZD

Join us on a great trip to Iran to see the fantastic ancient houses with their brilliant passive cooling systems and the great windcatchers of Yazd. From September 12–20, 2002, all for £600 excluding international flights, you can participate in a four-day conference on natural ventilation as well as tour Iran. There are places for only 45 foreign attendees, and I am asking experts in the field and people who are really interested to participate. SBSEers certainly qualify on both counts! In light of the emerging energy crisis, aren't all of you looking at natural ventilation? Some people may be leery about visiting Iran, but I can tell you the buildings and landscape are spectacular! We will visit Kashan Yazd and Isphahan from our Tehran base for this very low price—a very exclusive master tour. Please let me know if you are interested in joining me in Iran, <sroaf@brookes.ac.uk>. ▮

– Sue Roaf

ENVIRONMENTAL LAW

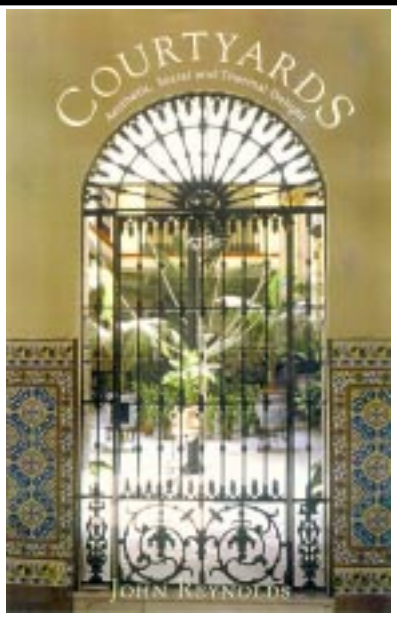
Apparently the ancient Chinese had a greater understanding of the environment than the Bush administration! *[Duh!–ed.]* See <http://english.peopledaily.com.cn/200108/23/eng20010823_78028.html>. The latest archaeological research shows that China drafted national decrees on environmental protection more than 2,000 years ago. No such records have ever been found in other countries. ▮

–Anne Marshall

NEW ARRIVALS COME IN THREES—WELCOME TO THE SBSE FAMILY!

Our daughter was born on August 1 at 18:57. She was 49 cm and 3.18 kg. Her name is Jeyon Park. (We keep our family name after marriage, so my husband and I have different family names. Children take their father's family name.) Her horoscope sign is Leo.

–Chungyoon Chun



It looks like a mid-November birth. Size is 10" vertical by 8" horizontal, about 238 pages, and a bit more than 50 color photos (plus lots of black-and-white photos, plans, sections, and graphs).

– John Reynolds

photos: courtesy of the proud parents

My name is Katrina Chitra Ogierman–Soebarto. I was born on 25 August at 11:11. My weight was 3.63 kg. and my length, 53 cm. Mommy and daddy say I'm cute, but I don't know yet because I still can't reach the mirror.

– Veronica Soebarto

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SBSE NEWS
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WINTER ISSUE SUBMITTAL DEADLINE—DECEMBER 1