

Photo: *Architecture*, December 1994

*The Dougherty + Dougherty CRS features the Sunspace Building (left) and the Riverfront Building.*

SUMMER ISSUE SUBMITTAL DEADLINE—JUNE 1



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SBSE News  
c/o Bruce Haglund  
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Moscow, ID 83844

### SBSE POMONA RETREAT—7 SPACES AVAILABLE

Although the registration deadline has passed, you still have an opportunity to attend this “informal” retreat. In the spirit of the Clark Fork, Idaho, and Seahorse Key, Florida, retreats the participants will shape the agenda for our discussion of ecological education.

#### REGISTRATION AND GENERAL INFO

The retreat will occur Wednesday, June 19 (arrive midday) through Sunday, June 23 (depart midday) at the Center for Regenerative Studies, Cal Poly, Pomona, CA. Cost is \$200 (not including transportation). The center accommodates 20 people. At press time, 13 SBSEers had registered. Registration is now on a first-come, first-served basis. If you want to participate, send a brief statement of interest with your name, address, phone number, and e-mail address to Mary Guzowski <guzow001@maroon.tc.umn.edu>; or Department of Architecture; University of Minnesota; 89 Church St. SE; Minneapolis, MN 55455. For additional local field trip information, contact Margot McDonald <mmcdonal@oboe.aix.calpoly.edu>. Contact Hofu Wu <hwu@csupomona.edu> for info on the Center for Regenerative Studies.

#### WHY LA?

Some of you may be asking why SBSE would hold a retreat in Los Angeles—whatever happened to rustic retreats? Los Angeles is the epitome of an unsustainable environment for all species. The severity of the environmental problems in this region exist in stark contrast to the natural beauty of the ocean, mountains, creeks, and valleys surrounding the city and visible on rare occasions. It is for this reason that we have chosen to “retreat” to the City of Angels, which is crying for a better way of life. Join us in a search for environmental, spiritual, and professional restoration of our selves, communities, ecosystems, and cities—all through explorations of our teaching and the environment.

• continued next page

### SBSE ANNUAL MEETING AT ASES PASSIVE '96

The annual meeting is scheduled for Asheville, NC, Tuesday, April 16, 6:00 p.m., followed by an SBSE dinner at a great local eatery. ASES will list our meeting room in the conference schedule.

#### AGENDA

1. Retreats—Cypress and Pomona
2. Walter Grondzik—peer review, SBSE journal, continuing education
3. Next year—summer conference, retreat, or Vital Signs?
4. Murray Milne—the Inter-University
5. SBSE curriculum materials ■■

1996 SBSE CYPRUS RETREAT  
P O S T P O N E D

## LETTERS TO THE EDITOR



Photo: L. Bachman

Leonard Bachman visited Notre Dame du Haut at Ronchamp in the snow during term break.

I had not seen the newsletter when I last wrote . . . it looks great!!! Thank you for not billing me for all the extra verbiage. You are right about the global warming . . . it hit 94°F on my deck (Jan 13) while the east coast was having its blizzard.

—Murray Milne, UCLA



Happy New Year! It is -20°C this morning (including the wind chill factor); there is so much frost on my old windows that it looks like that plastic material you put on bathroom windows for privacy!

Loved the newsletter. I see that I managed to make it in twice even though I didn't even put in any news! Photo and everything!

—Terri Meyer Boake, Waterloo

[Hmmm! Do you all detect a trend—nice newsletter, weird weather? Maybe, if SBSE News gets weirder . . .-ed.]



## SBSE NEWS INFORMATION

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, Moscow, ID 83844-2451, phone 208-885-6781, fax 208-885-9428, e-mail <bhaglund@osprey.csv.uidaho.edu> before the first of March, June, September, or December. Membership and mailing list inquiries should be directed to Leonard Bachman, Secretary/Treasurer, University of Houston, College of Architecture, 4800 Calhoun, Houston, TX 77204, phone 713-743-2372. ■■

## SBSE POMONA RETREAT [CONTINUED]

SCHEDULE	MORNING	AFTERNOON	EVENING
Wednesday, June 19	Arrival: lunch	Tour CRS	Ecological curricula
Thursday, June 20	Seminar/CRS staff	SBSE critique of CRS	Set retreat agenda
Friday, June 21	Local ecological field trips* *including the Energy Resource Center featured in the <i>Environmental Resource Guide (ERG)</i> ; environmental designer and consultant John Picard's office; the Neutra House		Group work sessions
Saturday, June 22	Group presentations	SBSE action plan	The Inter-University
Sunday, June 23	Closing discussion	Departure or optional field trips to FLW, Greene and Greene, and Shindler buildings	

—Mary Guzowski



Photo: ERG, Wiley &amp; Sons

Southern California Gas Company's Energy Resource Center, Downey, California

## WEB WATCH WITH WALTER

URL: [HTTP://WWW.FAMU.EDU/ARCHITECTURE/ARCC/ARCC.HTML](http://www.famu.edu/architecture/arcc/arcc.html)

The Architectural Research Centers Consortium (ARCC) is "committed to the expansion of a research culture and appropriate organizational infrastructure in architecture and related design disciplines." The ARCC web site describes its activities and profiles member institutions. [See conference listing, page 3.]

URL: [HTTP://FCN.STATE.FL.US/FDI/E-DESIGN-ONLINE/ONLINE/EDO.HTML](http://fcn.state.fl.us/fdi/e-design-online/online/edo.html)

The Florida Design Initiative (FDI) is now publishing its newsletter, *e-design*, in both print and electronic media. The FDI is a nonprofit, leadership forum dedicated to the promotion of exemplary practices in energy efficiency and high performance building design. *e-design* "print" is published bi-monthly and highlights information of interest to building designers, operators, and owners as well as design profession educators. If you would like to be added to the *e-design* mailing list (no cost), send a message to <fldesin@freenet.tlh.fl.us>. *e-design Online*, a periodical specifically designed for electronic dissemination, is available on the Web.

URL: [HTTP://WWW.KENT.EDU/HOMEPAGE.HTML](http://www.kent.edu/homepage.html)

Check out the sustainability issue of *Architronic*, Kent State's electronic journal. ■■

—Walter Grondzik

## VITAL SIGNS EVENTS

## 1996 SUMMER TRAINING SESSION

Mark your calendars for another spectacular 1996 Vital Signs summer training session, **August 7-11**, in San Francisco. Participants in the Vital Signs Curriculum Materials Project have developed resource packages to help architecture students evaluate the physical performance of existing buildings. The resource packages contain field protocols for evaluating the effect of design decisions on a building's physical performance with respect to energy use, occupancy, and architectural space. This summer's training session will feature presentations of recent case studies of buildings examined using the Vital Signs materials. The training session is designed for faculty who might apply the Vital Signs teaching materials during the 1996-97 academic year.

## 1996-97 VITAL SIGNS CASE STUDY COMPETITION

The Vital Signs Curriculum Material Project announces a case study competition for fall semester 1996, challenging architecture students to investigate, measure, and report on the physical performance of existing buildings and their patterns of energy use. The approach and methods currently seen in architectural education typically involve students with the design of hypothetical projects. Consequently, most students have limited personal experience in the construction and function of actual buildings. This competition challenges students to report on their investigations of the intriguing thermal life of a building [*Egad! Aren't WE a bunch of nerds!-ed.*] in a case study or "work-up" which, ultimately, will be shared with the broader architectural community.

The competition is open to all students of architecture. Cash prizes, including travel to the awards ceremony in San Francisco in spring 1997, will be awarded to students. Information and applications will be available **May 1**.

For more vital signs events information, contact Gail Brager; University of California; Department of Architecture; 232 Wurster Hall, #1800; Berkeley, CA 94702; phone 510-642-1696; fax 510-643-5571; <gbrager@ced.berkeley.edu>. ■■

—Alison Kwok

## LETTER FROM THE EDGE

I've taken the liberty of subscribing you (if I knew your e-mail address) to a list server, sbse, for rapid and informal communications among SBSE members. The list is unsupervised, so anything you post gets mailed to everyone on the list. I hope it won't be annoying, at least no more annoying than I am. If you want to subscribe, send "subscribe sbse" (don't use the quotes) to <majordomo@uidaho.edu>. Major-domo is the computer robot that manages the day-to-day operations for the list. To send stuff to everybody, address it to <sbse@uidaho.edu>.

I hope this works well and gives you all a fast, informal way to exchange information and ideas more pressing or transient than the *SBSE News* printing schedule allows.

—Bruce Haglund, University of Idaho

[The list server robot seems to be working, finally. After three attempts, I managed to send my welcome message. (Hofu, increase your disk quota or clean out your mailbox.) Russ Leslie has already used the list to recruit grad students. So, proceed with appropriate technophobia.-ed.] ■■

## RICHARD MEIER TURNS GREEN

"Richard Meier has never been known for his environmental sensitivity. Until recently, the architect treated his gridded metal skins and glass curtain walls as abstract surfaces, without much regard for their thermal performance or energy efficiency. . . Meier's recent European commissions, however, have forced the architect to rethink his detailing. Stringent regulations . . . have resulted in energy-efficient cladding and daylighting systems, operable windows, and integrated sunscreens in Meier's designs."

—Raul A. Barreneche  
*Architecture*, February 1996

[Check out the February issue. It's great fodder for a Dr. Jekyll-Mr. Hyde lecture on sustainable design.-ed.] ■■

Photo: *Architecture*, February 1996



Direct sunlight breaks into Meier's new Gazarian Gallery in Beverly Hills.

## OBITUARY

SBSE regrets the demise of hard-hitting *Progressive Architecture* after 75 years of publication. Its leadership in critically reporting on sustainable and energy-conserving design is sorely missed. ■

## EQUIPMENT

Onset, the manufacturer of tiny HOBO dataloggers, has introduced an even smaller temperature logger—the 1½" diameter StowAway TidbiT. If you need the smallest, neatest technology, contact Onset at 508-563-9000 or <sales@onsetcomp.com>.

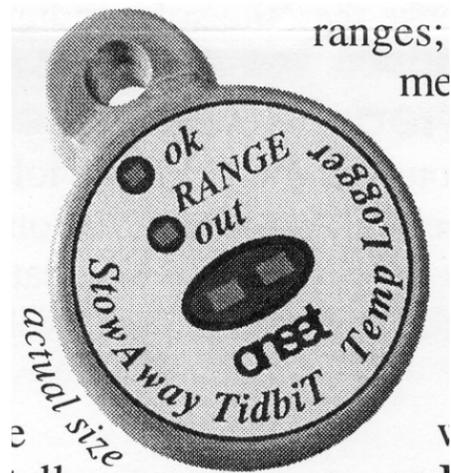


Photo: Onset pamphlet

*[If he had used a TidbiT, could Gifford Pierce, a colleague, have avoided the uproar at the Kimball Museum that followed his announced intention to bring in HOBOs to monitor light levels?—ed.] ■*

## VITAL SIGNS CASE STUDY DEVELOPERS

The first round of case study development projects has been selected.

**Arizona State University** will investigate the Phoenix Main Library (Bruder/Arup) and Taliesin West Drafting Room (Wright). The team of David Scheatzle, Marline Addison, and Michael Kroelinger will involve four lecture/lab courses in studies of energy and lighting design performance, performance of environmental control systems, and energy and lighting simulation techniques

**Ball State University's** Robert Koester will investigate several on-campus buildings and an I.M. Pei Library in Columbus, Ohio. His lecture/lab class will monitor daylighting design and performance, electric lighting design and performance, glazing selection and performance, and HVAC systems integration and performance.

First-year studios at **Kansas State University** taught by John Selfridge will study the Frank Carlson Federal Building, the Allen House (Wright), Seaton Hall at KSU, and several contemporary office/commercial buildings. Research topics will include overall energy performance; evolution of a building and changes in lighting, daylighting, and energy use; assessment of occupant behavior, productivity, and well-being; and comparisons of measured conditions and occupant perceptions.

Jack Kremers' environmental technology lecture/lab class at **Kent State University** will document the Rock and Roll Hall of Fame (Pei). Students will pay [pei?—ed.] particular attention to the effects of solar radiation on building performance with respect to visual and thermal environments, particularly in light of the fact that the building was reoriented 180° to accommodate a different site after building design was completed.

At **Rensselaer Polytechnic Institute** Walter Kroner will conduct a study of eight building types—museum, laboratory, church, airport, visitor information center, indoor swimming pool, city hall, and office building. His introductory lecture class on comfort, climate, and energy will document occupant perception of buildings, successes and failures of architectural elements that lead to these perceptions, daylighting design and performance, and design for solar access and solar control.

Donald Watson's studio will examine Exeter Library (Kahn), Mt. Airy Library (Mazria), University of Michigan Law Library (Birkerts), and Mt. Angel Abbey Library (Aalto) concentrating on daylighting design and performance, comparison of daylight models to field conditions, and analysis of specific daylighting factors reported by occupants.

A technology seminar at **Temple University** taught by J. Brooke Harrington will delve into Wu Hall (Venturi—Scott Brown), Shelly Ridge Girl Scout Camp, Assembly Hall (Bohlin Cywinski Jackson Architects), and West Middle School Building at the Shipley School (Kieran, Timberlake & Harris Architects). Their investigation topics will include design for daylighting and thermal, acoustic, and visual comfort; the range of comfort levels; and the evolution over 20 years of a model solar building.

**Texas A&M Research University's** Larry O. Degelman will supervise independent graduate studies of the 3M Research Center (Austin/CRSS), the Art Museum of South Texas (Corpus Christi/Johnson), Dallas Symphony Hall (Dallas/Pei), Kimball Art Museum (Ft. Worth/Kahn), Lyndon B. Johnson Library (Austin), and the National Wildflower Research Center (Austin). Daylighting design and performance; effect of high thermal mass on building performance in a hot, humid climate; environmental systems interactions; and solar shading and performance will be the foci of their studies.

A graduate seminar at the **University of Washington** taught by Marietta S. Millet will seek insights into the Museum of Anthropology (University of British Columbia/Erickson) in regards to daylighting design and performance, electric lighting design and performance, glazing selection and performance, and HVAC systems integration and performance. ■

—Bill Burke

## THE INTER-UNIVERSITY UPDATE

I just presented a paper, "Proposal for a National Academy of Architectural Sciences," in Delft, Holland, at the conference on doctoral programs in architecture, sponsored by the European Association of Architectural Educators (EAAE, similar to ACSA). Europe has half the number of schools as does the U.S. but awards twice as many Ph.D.s. European schools emphasize architectural history and academic research.

On the closing panel some of the speakers talked about the need to address problems of the profession, enhance our technical sophistication, build coalitions among universities, and take advantage of information networks—everything our proposal addresses. No other proposals for new types of doctoral programs were presented. U.S. representatives were far more interested in the Inter-University proposal than were those from Europe (who knows why). I have now learned about two programs in the U.S. that use our model for professional, doctoral work (more on them later).

*[Do you refer to the newly-formed doctoral program in environmental design and planning headed by Mike Kroelinger at ASU? Areas of concentration in design and planning include appropriate technology, climate-responsive design, energy modeling, lighting, passive solar energy and conservation, environmental planning, landscape ecology, and the protection of environmentally sensitive areas. Jeff Cook, Ramy El Diasty, Mike Kroelinger, David Scheatzle, and Fritz Steiner are among the faculty.—ed.]*

It was terribly cold in the Netherlands, setting records for sustained sub-freezing weather. The canals were "under rocks"—great for the long-distance skaters! *[Imagine Murray as Hans Brinker!—ed.]* Is our climate changing? ■

—Murray Milne

## CONFERENCE OPS

ACSA has "elevated" its announced technology session to a one-day *[How generous of them!—ed.]* Technology Mini-Conference with a separate \$45 registration fee option. The **March 9** event in Boston featured six SBSE member-delivered papers among the seven paper sessions. *[Record snowfall in Boston foiled most transportation to the mini-conference. SBSE revenge?—ed.]*

The 1996 Eco-Design Arts Conference, **April 11–14**, at the University of Oregon, will feature Pliny Fisk, Ian McHarg, and Steve Badanes among its invited speakers. For conference info, contact HOPES at 541-346-0719 or <hopes@gladstone.uoregon.edu>.

ASES Solar '96 "Sundancin" in the Smokies" will be held **April 13–18** in Asheville, NC. As well as the SBSE Annual Meeting, Solar '96 features twenty technical papers by SBSE members and three workshops—Designing High Performance Solar Buildings, with Murray Milne (sponsored by UCLA, University of Idaho, and SBSE); Daylighting, with Wayne Place and Fatih Rifki; and Energy Information on the Internet, with Henry Rogers and Walter Grondzik (sponsored by SBSE). Contact ASES at 303-443-3130 for conference information.

The ARCC Spring Research Conference, "Applied Research in Architecture and Planning," will be held in Tucson, AZ, **April 26 and 27, 1996**. The conference venue is the Plaza Hotel and Conference Center as well as the University of Arizona. Presentations will revolve around four themes—Research in and with Practice, Research with and within Industry, Research in Service to the Community, and Research in Education. For more information and registration details, contact Lee Fulmer; College of Architecture; University of Arizona; Tucson, AZ 85721; phone 520-621-9819; fax 520-621-8700; <slf@aruba.ccit.arizona.edu>. ■

## SBSE PEOPLE

☛ **G. Z. Brown** received a \$750,000 US DOE Phase II grant to continue the Energy-Efficient Relocatable Classroom Project. During this phase, prototypical units will be constructed for testing and monitoring. Units will be placed on school district sites in five climatic zones for on-site evaluation.

\* **Mark DeKay's** teaching in environmental and ecological building design continues to receive recognition—this time a full-page article in the Washington University newsletter. "The emerging paradigm of technical education treats buildings as whole systems," DeKay says. "It emphasizes the interrelations between systems and between elements and their context. Concerns like technology and energy are seen less as separate topics and are more intimately tied to social meaning, human experience, values, aesthetics, and design intentions."

☛ **Mike Kroelinger** has been appointed director of the interdisciplinary doctoral program in Environmental Design and Planning at Arizona State University.

☛ **Marietta Millet** lectured on her newly published *Light Revealing Architecture* at the Martin Centre for Architectural and Urban Studies in Cambridge, at the Seattle Lighting Design Lab's Northwest Daylighting Forum, and at the University of Idaho.

☛ ACSA has cited **Ikhlas Sabouni** for Creative Achievement. Besides her seminars in energy auditing for Texas towns, she has mobilized a faculty team and community leaders to build a community center in Prairie View with the support of a HUD grant, led the Mars Habitat design project in cooperation with NASA, and proposed improvements to Houston's transportation infrastructure.

★ AIA Arizona conferred its Arizona Architects Medal on **Dave Scheatzle** for "outstanding accomplishment as a leader in the AIA, the educational community, and the architectural profession as well as society."

☛ **Hofu Wu** tossed his hat in the ring for the position of ACSA Secretary. His résumé cites experience as SBSE secretary which recommends him well for the less demanding ACSA post. ■