



photo: Alison Kwok

John Reynolds inhales a burger at Tommy's.

POETIC POMONA RETREAT REVISITED

Hérons, passion fruit, and tilapia were all part of the SBSE retreat at the Center for Regenerative Studies at Cal Poly-Pomona, June 19-June 23, 1996. We were graciously welcomed to the center, invited to join all the routine activities, such as cooking for 30+ people [see *Souvenirs*, p. 4-ed.], harvesting, composting, and recycling when we weren't gathered in the seminar room for discussions of sustainability, an ecological curriculum, as well as other SBSE endeavors.

Work sessions at the Center began with presentations of current or proposed coursework in sustainable design. Watch for these syllabi on the Web as all presenters were asked to post course material. A task force was formed to develop a Web index for SBSE archival materials [see p. 7-ed.]. Other topics covered were the Carnegie (formerly Boyer) Report (Harvey Bryan) [see p. 2-ed.] and the Academy (Murray Milne). SBSE members present agreed to acquire, read, and further discuss on their campuses the Carnegie Report and to participate in the wider discussion that will take place at the ACSA National Conference in Dallas next March.

The Academy, a proposal for advanced study and degree-conferring in architectural science, authored by Murray Milne, was further defined. Murray provided copies of e-mail comments received to-date and welcomed additional ideas. The discussion centered on these questions—Who are the students we plan to serve? What is the degree or certificate to be granted? How is the program accredited? How is the curriculum and contact with students implemented? Are physical facilities necessary? Do students need to affiliate with a campus in addition to the Academy?

Constant field trips to distracting historical and environmental projects plagued the five-day retreat. [The hazard of retreating in LaLaLand.-ed.] The first of these was to meet green entrepreneur extraordinaire, John Picard. John is an aggressive idea developer who is helping the green movement through Internet technologies and innovative partnerships between corporations to build greener operations and facilities. John's house is a showcase of energy independence and incorporates resource-efficient appliances. John has produced a building materials database, available free-of-charge over the net; contact Picard at <ecojohn@aol.com>. The group outing to

SBSE CALENDAR

1996	
Oct 1	ASES abstracts due
Oct 28	Summer Retreat '97 proposals due
1997	
Jan 20	Summer Retreat '97 applications due
Apr 25-30	Annual Mtg, Washington, DC
Jul 11-15	Summer Retreat, Santa Barbara, CA



photo: Walter Grondzik

John Picard informs, amuses, and baffles an SBSE audience.

LETTER TO THE EDITOR

If you ever wondered why you had not seen me at SBSE events since 1992, the explanation is that I retired from Iowa State that June, after reaching the age of 70. I have appreciated still receiving the well-edited *SBSE News*.

You may recall that I got involved with SBSE long before it became the Society. In the '80s when the AIA got moving with its energy design activities, I served as the Education Chair of the AIA Energy Committee and made copies (at my own expense) of initial AIA workbooks and dispatched them to key educators who had started to form a collaborative group which eventually became SBSE.

It has pleased me to see SBSE progress and function on its own without outside funding, especially since the reductions in DOE budgets. Your own effort is commendable in maintaining a very readable and informative quarterly, keeping the Society's spirits up by doing so. I wish you good health and the ability to continue in your noble effort.

As for me, I recently received an honor that is not often bestowed a rank-and-file educator. [*Congratulations, Eino! See People, p. 3.-ed.*]

—Eino Kainlauri, Iowa State

[*Thanks for the historic perspective and kind words. It is hard to believe we've been persisting for more than a decade in our volunteer efforts, helping each other attain success and notoriety!-ed.*] ■

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@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. Join the SBSE list server by sending **subscribe sbse** to <majordomo@uidaho.edu>. Visit our homepage, <<http://brick.arch.vuw.ac.nz:85>>.

THE BOYER REPORT: A REVIEW

Building Community: A New Future for Architectural Education and Practice is the special Carnegie Foundation for the Advancement of Teaching report written by the late Ernest L. Boyer and Carnegie Senior Fellow Lee D. Mitgang. It is the long-awaited independent analysis of architectural education and practice commissioned by the AIA, ACSA, AIAS, NCARB, and NAAB. As one might expect from one of the leading educational research institutions whose previous reports have significantly affected the teaching of medicine and law, this one is a thoughtfully crafted assessment of current architectural teaching.

Boyer and Mitgang found a profession "riven by self-doubt" and architectural schools "socially and intellectually alienated from the larger academic setting." [*Nonetheless Boyer was "convinced that architectural education, at its best, is a model that holds valuable insights and lessons for all of higher education."*-ed.] The authors do not propose a series of prescriptive recommendations but rather suggests a need for building a renewed consensus, hence the report's title. Seven separate, but interlocking, goals for renewing architectural education and strengthening its connection to the profession and to society were defined. These "Designs for Renewal" are:

1. **An Enriched Mission**—prepare students for competent practice with skills to embrace more social and environmental concerns.
2. **Diversity with Dignity**—create an academic environment that sustains multiple missions and encourages faculty to achieve a balanced scholarship of research, teaching, application of knowledge, and integration of practice.
3. **Standards without Standardization**—establish a more coherent and more agreed on set of learning goals with allowance for diverse interpretation.
4. **A Connected Curriculum**—provide a more liberal and integrated program of study that can fulfill professional requirements as well as provide students more freedom to explore the connections between architecture and other disciplines.
5. **A Climate for Learning**—provide a less-pressured learning environment that is open, just, communicative, celebratory, and caring.
6. **A More Unified Profession**—create a partnership between architecture schools and the profession by improving the educational experience of students, providing more satisfying internships, and promoting the importance of learning throughout one's life.
7. **Service to the Nation**—encourage schools to use their talents, skills, and ideas to enrich their communities and to prepare all architects for lives of civic and ethical engagement.

The proposed enriched educational mission echoes many of the concerns that led to the founding of SBSE. I have found that this report effectively frames the major challenges facing architectural education and practice. It will encourage lively debate in the schools and the profession and is recommended as required reading for all involved in either.

To order copies of *Building Community* (\$15 plus shipping and handling), call California Princeton Fulfillment Services, 800-777-4726. ■

—Harvey Bryan



SBSE gathers in the CRS amphitheatre.

SBSE SUMMER RETREAT 1997

CONTINUING ED AND TEACHING TECHNIQUES FOR GREEN ARCHITECTURE
SANTA BARBARA, CA, JULY 11–15.

The 1997 summer retreat has three primary objectives:

1. Provide an opportunity for SBSEers to present their current research and teaching work to practicing architects in order to expand the dialogue between academia and practice and to facilitate technology transfer (July 11).
2. Familiarize participants with evolving practice, teaching methods, curriculum resources, and research in the full range of areas of SBSE expertise and to receive support in developing or enhancing areas of their research and teaching (July 12–14).
3. Initiate the fledgling Academy of Building Sciences by participating in inaugural activities such as visiting the Fielding Institute and evaluating the initial design competition (July 15).

The retreat will also afford plentiful opportunities to brainstorm about current SBSE projects such as future retreats (England, Italy, or Cyprus?), the Academy, the Boyer Report, Vital Signs, *et al.* and to maintain and enhance other teaching and research activities.

The accommodations limit the number of participants to 24, so please submit a letter of interest and a proposal for work you would like to present to practitioners or to SBSEers.

Stay tuned for further details about the schedule of events, participant responsibilities, travel arrangements, lodging, appropriate clothing, and meals. [See insert to apply! The deadline is October 28.—ed.] █

—Bruce Haglund

POETIC POMONA RETREAT REVISITED [CONT.]

the Santa Monica area ended that evening with a delicious SBSE dinner on the pedestrian-oriented Third Street Promenade and a postprandial walk on the Santa Monica Pier to experience its street-wise ambience.

The second day of field trips took the group to the Southern California Gas Company Energy Resource Center (ERC) in Downey. We were given a guided tour by project architect Larry Wolff and a retired engineer. The center has a flashy video that describes the techniques and materials used in the “open-heart surgery” of an antiquated gas company administrative building. From Downey, the group headed to the Neutra House in Silver Lake and then lunch at that L.A. fast-food institution, Tommy’s.

This year’s retreat was a unique experience in which participants lived the philosophy promoted through sustainable design, putting theory to practice. There were many opportunities to observe, reflect, and critique the overall sustainable living experience at the Center. Its staff, students, and faculty encouraged our frank comments about all aspects of the Center’s performance as they embark on Phase III programming. Murray Milne conducted the equivalent of Solar-5.4 “fireside chats” by setting up a laptop in the great room and modeling the space as we experienced it.

Although several questions were asked during our first meeting, such as naming the ten concepts to be included in a course on sustainable design or general sustainability practices (in the spirit of G.Z. Brown’s question on the SBSE listserv), we managed to evade a precise answer to any of them. Too many questions, too little time.

Next year’s retreat promises to offer a continuation and development of earlier ideas. At next year’s event, we will offer a one-day, pre-retreat series of workshops for architects as a means of strengthening our dialogue with practitioners and of testing the Academy waters. We are also looking forward to a peaceful retreat at Santa Barbara’s “Oasis.” Hope you can join us next year! █

—Margot McDonald

SBSE PEOPLE



Photo: Bruce Haglund

Eric Angevine visits the CRS Solar Park

🏠 **Tom Bartuska**, Bashir Kazimee, and Mike Owen, Washington State, have received one of three Gold Medals awarded by the International Academy of Architecture at the recent UN Habitat Conference in Istanbul for their collaborative work, “Sustainable Community Development: A Comprehensive Urban Regenerative Proposal for Pullman, WA.” The other two medals were awarded to Norman Foster and Partners and to Fernando Murillo.

🐟 The University of Oregon has appointed **G. Z. Brown** to the position of Head of the Department of Architecture. [There goes his time for those famous Letters to the Editor!—ed.]

🦋 UCLA has been wooing **Harvey Bryan** to make the move to the left coast. Will he budge?

📦 **Martin Gold** has returned from a visiting position at UT San Antonio to the University of Florida as an Assistant Professor.

🌸 **Eino Kainlauri** has been elevated to the AIA College of Fellows. His accomplishments include pioneering continuing education and IDP programs at Iowa State, leading AIA energy education efforts, and a 1993 Knighthood of the Order of the White Rose of Finland.

🌐 Crossing both the equator and the international dateline, **Werner Osterhaus** has accepted a visiting position at the University of Wellington in New Zealand.

🎊 In an SBSE first, two members have tied the knot as **Jonathan Reich** and **Sandy Stannard** became husband and wife this summer. The happy couple honeymooned in a huge hole in the ground in Seattle, a joint-adventure housing project. █



photo: Alison Kwok

The action's in the CRS kitchen.

THANKS

We would like to thank all you 1996 SBSE retreat participants for sharing your recent curriculum efforts, thoughtful dialogue, and outstanding culinary efforts at the Center for Regenerative Studies. We are especially grateful to our hosts and guest speakers who were generous with their time and facilities—in particular Rob Quinn, Barry Costa-Pierce, John Lyle, Diana Jerkins, Steve Nareth, and Sara Schultz. We also enjoyed the company of numerous feline and canine staff, including Daisy, the “Hobo-hunting” dog, and Stetson, the “Western macho” cat.

Despite the endless ecological diversions (field trip upon field trip), the retreat yielded many exciting efforts for the coming year. We can all look forward to continuing SBSE efforts to support our ecological concerns. SBSE itself is an outstanding example of a sustainable community. ■

—Mary, Margot, and Hofu

SOUVENIRS FROM POMONA

MARGOT'S ZUCCHINI LASAGNE

Part I. 1–15 oz can tomato purée, 1–8 oz can tomato sauce, 2 cloves garlic, 1½ t each basil, oregano, parsley.

Part II. 12 oz dry-curd cottage cheese, ¼ c parmesan cheese, ½ c mozzarella cheese, 8 oz ricotta cheese, 1½ lb zucchini, 16 oz kidney beans, 1 carrot, 2 T flour.

Mix ingredients from Part I. Slice zucchini lengthwise into lasagne-like strips and parboil. Drain zucchini strips. Layer zucchini, flour, cheeses, tomatoes, beans, and carrots twice, ending with tomato and mozzarella as the top layer. Bake 45 minutes at 350°F. Let stand 20 minutes before serving.

—Margot McDonald

ALISON'S EVIL JUNGLE PRINCE (VEGETARIAN OR WITH CHICKEN)

[from *Keo's Thai Cuisine*, by Keo Sananikone, Bangkok Thai Cuisine, 1985]

½ lb boneless chicken breast (cut into 2" strips) OR ½ lb mixed vegetables (baby corn, straw mushrooms, beans, tofu, bamboo shoots, eggplant, etc.); ½ stalk lemon grass; 2–6 small red chili peppers (depending how “evil” you want it); 2 kaffir lime leaves; 2 T oil; ½ c. coconut milk; ½ t salt; 10–15 sweet basil leaves; 1 c chopped cabbage.

Grind together chili peppers, lemon grass, lime leaves in food processor or with mortar and pestle. Heat oil to medium high and sauté mixture for 3 minutes. Stir in coconut milk and cook for 2 minutes. Add chicken (or vegetables), and cook for 7 minutes or until done. Reduce heat to medium low. Stir in salt and basil. Serve on a bed of chopped cabbage.

—Alison Kwok

BRUCE'S OATMEAL PANCAKES

[adapted from *Laurel's Kitchen*, Nilgiri Press, Berkeley, 1976]

1¼ c milk; 1 c rolled oats; 2 T oil; 2 eggs, beaten; ½ c whole wheat flour; 1 T brown sugar; 1 t baking powder; ¼ t salt; ½ c crunchy stuff (nuts, sunflower seeds, wheat germ, dried cranberries, or such).

Combine milk and rolled oats in a bowl and set aside for 5 minutes. Add the oil and beaten eggs, mixing well. Lightly stir in flour, sugar, salt, baking powder. Add crunchies until ingredients are moistened.

Bake on a hot, lightly oiled griddle. Turn when top is bubbly and edges are slightly dry. Makes a dozen, four-inch pancakes. ■

—Bruce Haglund



John, Brooks, and Walter create spring rolls for thirty.

photo: Alison Kwok

VITAL SIGNS '96 TRAINING REPORT

The Second Vital Signs Training Session, supported by The Energy Foundation and PG&E, was held last August in San Francisco and Berkeley. The session included close to fifty educators, some members of SBSE and some not [*though encouraged to join—ed.*], from architecture schools across the U.S. and Canada. This year's training focused on the experience of teaching with the Vital Signs approach and included a combination of resource package and building case study presentations.



Modeling glazing performance at Pasqua's coffeehouse.

Four resource package authors conducted workshops. Tang Lee presented *Health in the Built Environment: Indoor Air Quality*. Mike Utzinger and Jim Wasley held two separate sessions on *Balance Point Temperature* and *Glazing Performance*. Walter Grondzik presented *HVAC Systems* and led a workshop on the potential of the internet as a method for sharing information among architectural educators.

Workshop leaders included educators who used the Vital Signs approach in their classes during spring term to produce case studies of existing buildings. They shared some of their findings about the buildings, but even more important, described the high points and difficulties of integrating the field study of building performance into their teaching. Jack Kremers (Kent State) described his students' investigation of I.M. Pei's Rock and Roll Hall of Fame in Cleveland; Marietta Millet (UWashington) presented an investigation of Arthur Erickson's Museum of Anthropology, conducted by five students in a seminar setting; Dave Scheatzle (Arizona State) outlined how he organized student investigations, among them studies of several Will Bruder libraries and of the drafting rooms at Taliesin West, in a large lecture class; Walter Kroner (Rensselaer), led a discussion of student response to his effort to introduce the study of actual buildings to a class of second-year students.

Thursday included a presentation on the new San Francisco Main Library, where high-quality indoor air became an important focus of the design effort. Anthony Bernheim (project architect for the building with Simon, Martin-Vegue, Winkelstein, Morris) described the complexity of addressing this issue in a major public building. Inspired participants visited the building on their own later that afternoon.

Part of Saturday morning was reserved for Course Planning Workshops, where participants formed three groups and brainstormed possibilities for incorporating field study of buildings into studio, seminar, and lecture class settings.

Most of the Vital Signs Resource Packages distributed in May 1996 are now available in PDF format on the Vital Signs Website, along with the free Adobe *Acrobat Reader* software necessary to view

BOOK REVIEW

Empire of Light: A History of Discovery in Science and Art, Sidney Perkowitz, Henry Holt, 1996.

I would like to walk with Sidney Perkowitz through the sculpture garden at the Norton Simon Museum of Art in Pasadena, where a series of fountains in the long reflecting pool toss rainbows into the afternoon sky. It would be the perfect place to hear him expound on any one of the light-fantastic topics he raises in *Empire of Light*, his paen to the visible realm of the electromagnetic spectrum.

Perkowitz, a physicist and science writer, tells us on page one that he shares his lab with two lasers—one green and ultraviolet and one infrared. Perkowitz tells the history of understanding light through scores of scientists and inventors, including Albert Einstein, who ignited two revolutions, and Alvan Clark, who polished his perfect telescope lenses with his bare thumbs and allegedly died from the skin infections he suffered as a result.

Perkowitz is the ultimate photophile, in love with light in all its guises, from the brush strokes of Van Gogh to the bioluminescence of a firefly. He tracks perception, "our living response to light," down to the rods and cones in the retina, invoking psychology, biochemistry, philosophy, and natural science to explain how individuals construct "the seen world."

The book's title refers to Magritte's painting [*Unfortunately, its reproduction on the cover and the jacket photo of the author are the book's only illustrations.—ed.*], in which a bright daytime sky hangs impossibly above a street of night-darkened houses. "Long before I knew much about light, I felt its mysteries as expressed in that work." The simultaneity of day and night in the image symbolizes the nature of light, both wave and particle, depending on how we look at it. ■

—Dava Sobel, *Civilization, Vol. 3, no. 4*

EVENTS

REGENERATIVE DESIGN SYMPOSIUM

Building Sustainable Communities for the 21st Century International Symposium will be held October 22 and 23 at the Kellogg-West Conference Facility at Cal Poly-Pomona. For information, call the Department of Landscape Architecture at Cal Poly-Pomona, 909-869-2673.

GREEN BUILDING MARKETPLACE

The U.S. Green Building Council's *3rd Annual Conference and Trade Show* will be held November 17-19 at the Loews Coronado Bay Resort, San Diego, CA. For information, contact USGBC; c/o Concepts Meeting and Trade Show Mgt; 6540 Lusk Blvd, Suite C-124; San Diego, CA 92121; <planners@conceptsmeeet.com>.

SUMMER LIGHTING WORKSHOP

IESNA/IALD are sponsoring a summer workshop for college and university teachers of lighting. The workshop will be held in Durham, NH the 2nd and 3rd weeks of July 1997. It is an intensive, two-week session intended for educators in engineering, architecture, technology/building science, theater, and interior design.

The details will be in a separate mailing to SBSE members. IES and IALD are providing grants to 18 qualified applicants, so the cost to grantees would be \$200 plus other expenses, including travel. If you have questions, contact Dee Ginthner, phone 612-624-3293, fax 612-624-2750, or <dginthner@che2.che.umn.edu>.

SOLAR MEANS BUSINESS

The 1997 Solar World Congress of ISES will be held August 24-30, 1997, in Taejon, Korea. Abstracts are due November 30, 1996. For information, contact Congress Secretariat; '97 ISES Solar World Congress; Solar Means Business; SL Kangnam PO Box 305; Seoul 135-603, Korea; <koconex@chollian.dacom.co.kr>.

ENERGY-EFFICIENT LIGHTING

The 4th European Conference on Energy-Efficient Lighting will be held in Copenhagen, Denmark, November 19-21, 1997. Topics include "Lighting and the Environment" and "Lighting Education and Information." Abstracts (300-word) are due November 15, 1996, to the Conference Secretariat; Association of Danish Electric Utilities; Rosenørns Alle 9; DK-1970 Fredriksberg C; Attn: Gert Nielsen; fax +45-31-39-5958. ■

HOT METAL DEKAY

"Web Watch With Walter" is such a nice alliteration, but what can you do with "Mark?" [*See my weak attempt above, but get a half-life and stop browsing, Mark. -ed.*] I've been cruising, looking for new research and case studies. Here are some locations that might interest SBSE News readers. Descriptions are from the web sites.

<http://bcn.arch.ufl.edu/cib.html> International Council for Building Research Studies. A global network of over 5,000 experts who represent about 500 organizations and who collaborate and exchange information in over 50 commissions that cover all fields in construction research, technology development, and documentation.

<http://erg.ucd.ie/> Lots of good resources and publications! ERG is based in the School of Architecture in the Faculty of Engineering and Architecture, University College Dublin. Since 1975 ERG has undertaken research, development, consultancy, education, and dissemination activities on energy use in buildings and climate-sensitive architectural design. For more than a decade the Group's activities have had a strongly European dimension. The Group's clients include the European Commission's Directorate General, as well as Irish public and private agencies and firms.

<http://erg.ucd.ie/thermie.html> THERMIE is a vital part of the European Union's strategy for meeting the energy challenges which we face today—ensure lasting and reliable energy services at affordable costs and conditions; reduce energy consumption; reduce the environmental impact of the production and use of energy, in particular CO₂ emissions; strengthen the technological bases of industry.

<http://irisinc.com/> Welcome to Solstice, the site for energy efficiency, renewable energy, and sustainable technology information and connections. Solstice is sponsored by CREST, the Center for Renewable Energy and Sustainable Technology, in Washington, DC, and San Francisco, CA.

<http://www.bre.co.uk/> The Building Research Establishment (BRE) is the UK's leading independent source of advice and information on building performance, construction, and the prevention and control of fire.

<http://www.eren.doe.gov/> Welcome to EREN, a site that provides access to information about renewable energy and energy-efficient technologies.

<http://www.oikos.com/> If you want to make that new construction or remodeling project energy efficient and environmentally responsible, you have come to the right place. Here at Oikos you'll find information on green building materials along with techniques for sustainable design and construction.

And here are a couple of reminders about sites previously reviewed:

<http://www.ebuild.com/> Welcome to ebuild, the *Environmental Building News* website. *EBN* is the leading periodical on environmentally sustainable design and construction. Our articles, reviews, and news stories are a prime resource on energy-efficient, resource-efficient, and healthy building practices. We address material selection, siting, indoor air quality, daylighting, and much more!

<http://www.rpi.edu/dept/lrc/LRC.html> The Lighting Research Center (LRC), based at Rensselaer, is the world's largest university-based research and educational institution dedicated to lighting. The LRC takes a unique and energetic approach to problem solving with a commitment to bringing together unparalleled resources for lighting research. Its scientists and professional staff include some of the world's most renowned lighting experts who come from many interrelated disciplines, such as architecture, architectural and electric power engineering, communications, economics, human factors, lighting design, management, manufacturing, marketing, ophthalmology, optics, physics, psychology, and vision science. This interdisciplinary approach to research, combined with a major technological university's resources, make the LRC a center of excellence for solving problems in lighting. ■

—Mark DeKay

DESIGNING OUR SBSE WEBSITE

Following an ardent discussion at this summer's SBSE Retreat in Pomona, a task group was charged with obtaining and summarizing input from SBSE members and making recommendations for website development. Here is our request (previously posted on the SBSE listserver) for YOUR input on the further development of this site.

As a building science educator what resources, information, or services would you like to see on the SBSE Website? From your perspective, what would make the SBSE Website a useful and exciting resource?

Possible additions to the site include member résumés, class notes, syllabi, slides, bibliographies, Website lists, and the like. This list is certainly not exhaustive; it awaits your input to become meaningful. Please list in descending order of importance your ideas, needs, expectations, desires, aspirations, and send them to: Walter Grondzik; fax 904-599-8466; <gzik@polaris.net>; or even surface mail to School of Architecture, Florida A&M University, Tallahassee, FL 32307-4200.

Don't procrastinate, delay, put off, or vacillate. Respond now!

—Walter Grondzik

SUMMARY OF COMMENTS RECEIVED ON THE LIST SERVER

SBSE HOME PAGE—Description of SBSE, philosophy, intent, list of current officers.

DIRECTORY—Member profiles, contact info, links to their homepages.

MEMBERSHIP—Benefits of membership, how to join, dues, renewal dates.

CALENDAR AND EVENTS—Annual meeting: description of typical agenda, officers/responsibilities. Retreat: description of upcoming retreats, dates, locations, costs, application forms.

EDUCATIONAL MEDIA—Slide library: Right now, downloading would not provide great quality slides. Also, not many schools have film/slide recording equipment and the images take up megaspace. Cris Benton suggested that slide pages (as they currently stand) could be scanned using a back-lit scanner. Each slide set could be prefaced with a paragraph description (some have them already). Faculty could then select the images or slide set that they want copied. This assumes that "someone" is taking care of the slide requests. I'm interested in developing this part of the site and will look into funding sources to do so.

Video resources: We could start with the video list (with links to the source for ordering) that I started, but arrange it topically; Bruce's cartoon archive [*impossible due to copyright restraints -ed.*]; and shareware.

CURRICULUM MATERIALS—Course syllabi; lecture outlines and notes; curriculum files: update by PDF or place in FTP. Curriculum sources: U of Florida, ACSA, ERG Dublin, Vital Signs, etc. Case studies: maybe this group deserves a separate heading.

ON-LINE SBSE JOURNAL—In Terry Boake's words, "a bona fide and respectable journal." I take that to mean that members would submit a paper, which, prior to publishing, would go through a refereed review. Do we need an editor to take on the role of finding peer reviewers and assume other editorial responsibilities? How do we gain credibility with our institutions so publication would be "counted." Should this journal be outside the SBSE site and merely linked? Or perhaps less formal. Members submit articles, current research, papers, and a discussion thread for feedback. [*Walter is working on this. -ed.*]

NEWSLETTER—Publish hardcopy and webcopy? [*Been there, done that! -ed.*]

BOOKS, ARTICLES, BIBLIOGRAPHIES—Topical bibliographies; annotated book list; textbook reviews; article reviews (could also go into the newsletter or on-line journal).

TASK GROUPS—Website development; Cyprus Retreat; The Academy.

COMMENTS, DISCUSSIONS—Discussion thread like the SBSE list server. [*Join now, see p. 8. -ed.*] ■

—Alison Kwok

AVAILABLE

FREE FLICKER CHECKERS

Flicker checkers for ascertaining ballast type (electronic or magnetic) [*Not an ornithological test, but a low-tech device, a top, that is both fun and informative. -ed.*] are available from Motorola Corporation, 800-MLI-0089.

GREENING OF THE CAMPUS PROCEEDINGS

The technical papers have been assembled to allow the reader to follow a flow-of-thought covering the full spectrum of opportunities for the greening of the campus. The papers begin with discussions of integrated core curricula, multidimensional ecological literacy, university-centered student projects, and the role of the university as an interdisciplinary resource for "bioregional stewardship." These are followed by papers which give examples of environmental campus initiatives and administrative actions, including business strategies and operational practices for the construction, delivery, and maintenance of energy-efficient, "green" building design. The proceedings close with a series of papers on campus reforestation, ecologically-based planting strategies, tree inventory, and management programs.

If you would like a copy, contact Bob Koester <rkoester@wp.bsu.edu>; the cost is \$35.

IAQ TEACHING MATERIALS

Building Air Quality Training Kit with instructor materials and handouts to conduct a 4-hour course on indoor air quality is available from National Environmental Health Association, 720 Colorado Blvd, #970 South Tower, Denver, CO 80222, tel. 303-756-9090.

WEATHER DATA

You may now download either TMY <http://oipea-www.rutgers.edu/html_docs/TMY/tmy.html> or TMY2 <<http://rredc.nrel.gov/solar/data/nsrdb/tmy2/>> data sets for all U.S. weather stations.

The National Renewable Energy Lab (NREL) has also made available a free CD (and printed manual) with all 239 TMY2 data sets. Contact Sally Evans, 303-275-4363. ■



photo: Marc Schiler

Alison and Harvey arrive at CRS.



SBSE NEWS
C/O BRUCE HAGLUND
DEPARTMENT OF ARCHITECTURE
UNIVERSITY OF IDAHO
MOSCOW, ID 83844-2451

JOIN THE SBSE LIST SERVER

Volatile information too transitory or interactive for the *SBSE News* is on the official SBSE list server. Current topics being pursued by the SBSE intelligentsia include:

- Bellagio—a possible '98 SBSE Retreat on Lake Como's Bellagio Retreat Center in northern Italy.
- Webscape—conceiving the perfect Website for SBSE
- Teaching—why do graduates lack confidence in their response-to-environment design skills?
- Bibliography—publishing a complete bibliography from the Pomona Retreat
- Jobs and Peer Reviews—last minute calls for assistance

Join the fray! Just send <majordomo@uidaho.edu> a message that merely says **subscribe sbse**. If this seems too complicated, tell the editor <bhaglund@uidaho.edu> that you want to join the happy throngs on the list server. All those involved have waxed eloquent on the perfection of their association with the list server robot and its happy minions. ||

—Bruce Haglund

VITAL SIGNS '96 [CONTINUED FROM PG 5]

and print the PDF files. This fall the Vital Signs Project is holding a student case study competition with cash prizes for both winning students and their schools. We strongly urge you to incorporate investigations of existing buildings into your fall classes and to enter exemplary student work in the Vital Signs competition. For competition procedures and guidelines, visit the Vital Signs Website <<http://www.ced.berkeley.edu/cedr/vs/index.html>>. You'll also find several building case studies that can serve as samples for your students. You can also direct competition inquiries to either Gail Brager <gbrager@ced.berkeley.edu> or Bill Burke <bburke@ced.berkeley.edu>. ||

—Bill Burke

WINTER ISSUE SUBMITTAL DEADLINE—DECEMBER 1

CALL FOR PARTICIPATION

SBSE SUMMER RETREAT 1997

CONTINUING ED & TEACHING TECHNIQUES FOR GREEN ARCHITECTURE
SANTA BARBARA, CA, JULY 11-15, 1997

Next summer's retreat offers three modes of participation for SBSEers—presentation of continuing education workshops to practitioners and SBSEers, presentation of workshops to SBSEers only, and attendance at both types of workshops. All three modes will allow SBSEers to interact with both peers and practitioners. The inclusion of continuing education workshops this year speaks of our efforts to strengthen the ties between academia and the profession. The cost for non-presenters will be about \$260, excluding travel.

1. CONTINUING EDUCATION WORKSHOPS

Presentations may be either 90 minutes or 3 hours in length. We encourage workshop-style, hands-on sessions. The outcomes of recent teaching and research efforts, such as the Vital Signs project, could be ideal subject matter. The workshops will also be enlivened by a luncheon with a featured speaker (Joe Escherick has been suggested) and small, informal dinners with practitioners at local eateries. The short list of proposals will be reviewed by AIA Santa Barbara as well as SBSE. Please submit a 1- or 2-page abstract describing your presentation and the types of media and materials you intend to employ. These sessions will be held off the "Oasis" grounds prior to the SBSE workshop.

2. SBSE WORKING SESSIONS

We're looking for presentation of work-in-progress, killer pedagogical techniques, and current paradigm-building. SBSE retreats have been renowned for affording us all the opportunity to learn and grapple with new ideas in a supportive, non-judgmental environment. At least four featured presenters will be chosen for the three-day retreat at the "Oasis." The rules of the "Oasis" limit us to its ample grounds during this time, so no distractions from the business of enriching ourselves will occur. The presentations will be intermixed with ample time for brainstorming on-going SBSE projects and for nurturing networks. Please submit a 1- or 2-page summary of your proposed presentation.



Dormitory at the "Oasis."

3. LETTER OF INTEREST

All participants, including those who do not present workshops, have the opportunity to attend both the continuing education workshops (at no extra cost) and the SBSE sessions. Additionally, attendees will inaugurate the Academy of Building Science and interact with practitioners and SBSEers. Your letter of interest should outline how you will benefit from the retreat. A second call for participation will be issued when the presentation topics have been determined.

4. HOW TO APPLY

All proposals and applications are due Monday, October 28, 1996.

SEND TO

Bruce Haglund
Dept. of Architecture
University of Idaho
Moscow, ID 83844-2451
fax 208-885-9428.

FOR MORE INFORMATION

Call 208-885-6781, or
e-mail <bhaglund@uidaho.edu>. ||



The "Oasis," 26 oak-studded acres.

SBSE SUMMER '97 WORKSHOPS/RETREAT

Name _____

Address _____

e-mail _____

phone _____

- I would like to make a presentation at the continuing education workshop.
- I would like to make a presentation at the SBSE retreat.
- I wish to participate only in both workshops.

Please send your letter of interest and presentation proposal(s) with your application to Bruce Haglund, Dept. of Architecture, University of Idaho, Moscow, ID 83844-2451, fax 208-885-9428.



Meditation Chapel at the "Oasis."

SBSE NEWS
C/O BRUCE HAGLUND
DEPARTMENT OF ARCHITECTURE
UNIVERSITY OF IDAHO
MOSCOW, ID 83844-2451



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