

1995 SBSE Summer Session—Apply Now!

This year's SBSE summer program will be held August 2–5 in Berkeley and San Francisco, California, and is sponsored by the Energy Foundation and the Pacific Gas & Electric Company. Participants will share teaching methods developed through the Vital Signs Project.

The Project

The Vital Signs project will result in curricular materials that help architecture students learn how to effectively evaluate the physical performance of buildings. Our approach uses existing buildings as laboratories which offer pertinent lessons on the success and failure of their design. Twelve schools are developing topic-based, modular resource packages with field protocols at several levels of detail and sophistication. Students will apply these packages to specific buildings to examine architectural, lighting, and mechanical systems and to determine how design decisions affect the building's physical performance with respect to energy use, occupant well-being, and architectural spacemaking. These field evaluations form the basis for "work-ups" which can be shared with other students and schools. Vital Signs, a four-year project, is being funded by the Energy Foundation, the National Science Foundation, and the Pacific Gas & Electric Company (PG&E).

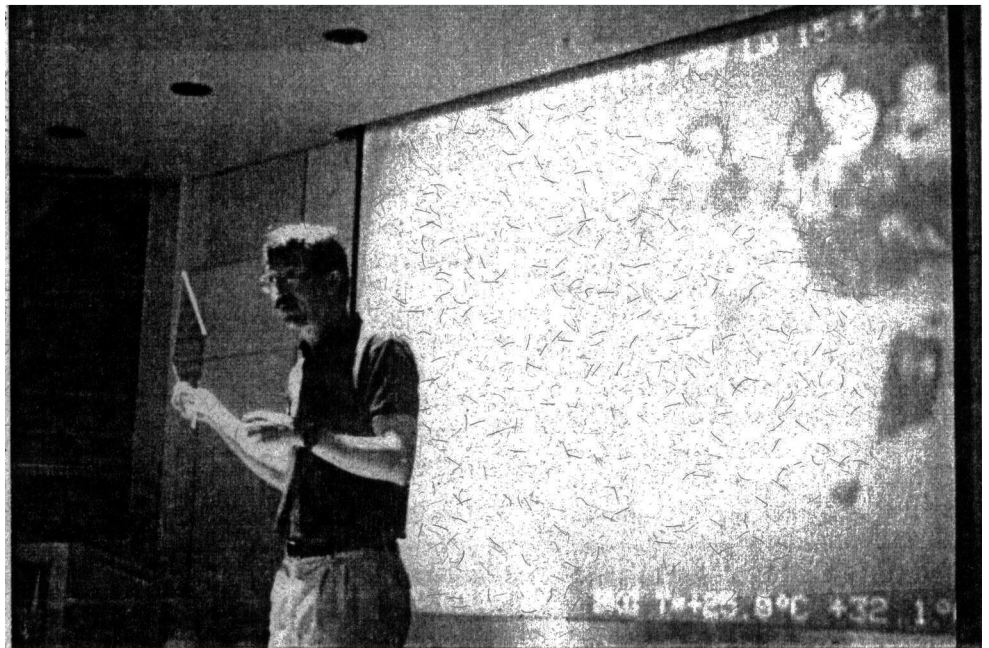
The 1995 Training Session

To encourage widespread Vital Signs adoption by architecture schools, the Energy Foundation has funded a series of training, evaluation, and incentive programs to support Vital Signs materials development and dissemination. As part of this series, the 1995 SBSE summer training session is designed to provide a learning experience for architecture educators who wish to apply the Vital Signs teaching materials during the 1995–96 academic year. The final resource package topics to be presented during this training session will be determined by early summer. These topics may include (but will not be limited to): whole building energy use; solar shading devices; balance point temperature; measuring, simulating, and displaying building performance; HVAC components and systems; and health in the built environment.

The Vital Signs training session is supported by a grant from the Energy Foundation and by PG&E, which is providing the training facility and other support resources. This funding will allow us to cover the cost of participants' meals, lodging, and materials. SBSE is pursuing additional funding from the U. S. Department of Energy. If we receive this additional support (we hope to know by April whether it is secured), we will be able to

SBSE Dates

| | |
|-------------------|----------------------------------------------------|
| March end | SBSE peer review questionnaire mailed |
| May 15 | SBSE summer training session application deadline |
| June 1 | SBSE summer training session participants notified |
| July 1 | <i>SBSE News</i> submission deadline |
| July 16 | ASES Annual Meeting and Workshop, Minneapolis |
| July 17–20 | ASES Conference, Minneapolis |
| August 2–5 | SBSE Summer Training Session, SF Bay Area |



Letters to the Editor

For those SBSE members who harbored concerns that my presence exposed them to the 'hot zone,' it was 'only' *coccidiomycosis*, a fungus aka valley fever or desert fever. I appeared to be very ill because I had this fungus as both pneumonia and a mild meningitis. Desert fever is transmitted when infected spores become airborne and are inhaled. It is **not** spread by interpersonal contact; therefore, it's not contagious. The Center for Disease Control in Atlanta reported that there was an outbreak of this fungus in the drier areas of Southern California last summer. Archaeologists, landscape contractors, farm workers, and others working with dry soil and dust are at risk. The infection is usually self-limiting and typically goes into remission after two to three weeks.

For those SBSE retreat participants who requested a brief bibliography of materials I presented, please contact me.

—Arlene Hopkins

26215th St. #10, Santa Monica, CA 90405

[I'm glad you've recovered. I was worried that an epidemic of SBSEs' syndrome had begun. You did contract the fungus doing a good deed for your dad, didn't you? Figures. Also, good luck with CWED in your new venue.—ed.]



•continued next page

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.csr.v.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 at ASES

Annual Meeting

The 1995 annual meeting will be held at the ASES Conference in Minneapolis on Sunday, July 16 at 5 p.m. at the conference hotel. Details will appear in the conference agenda, which ASES promises is coming soon. Our preliminary agenda:

1. Nomination of Officers
2. Summer '96 Retreat [Cyprus?]
3. Peer Review
4. Continuing Education
5. Technology Conference.

Related events are an SBSE-sponsored Vital Signs workshop for ASES participants and an informal SBSE dinner after our meeting.

Call for Nominations

If you want to nominate yourself or anyone else for either president-elect or secretary/treasurer and you cannot attend the annual meeting, place your nomination with John Reynolds.

—John Reynolds

Peer Review

All SBSE members will be sent a questionnaire and peer review information forms in March. Please take a few minutes to review and respond to these materials. A summary of results from this effort will be presented at our annual meeting. If you have not received an SBSE peer review mailing by the end of March, please contact Walter Grondzik, 904-599-3244, <gzik@freenet.tlh.fl.us>.

SBSE and Continuing Education

The American Institute of Architects (AIA) has developed a pilot program in continuing education, the AIA/CES (Continuing Education System). Activities will be assigned one of three "quality" levels on the basis of the formality and design of the development experience. In general, the more structured continuing education offerings should qualify as level 3 programs. Such programs will carry more weight in the CES setup than do lower "quality" level experiences. In addition, state boards have jumped on the bandwagon regarding continuing education for architects: the State of Florida has recently mandated a continuing education component for architectural registration.

A question for SBSE to consider: Is there a role for SBSE to play in continuing education for design professionals (particularly architects)? There are a number of reasons why SBSE may wish to become involved. These include the opportunities to influence the content and quality of continuing education offerings and generate income from such courses. We will discuss the issue of SBSE and its role in continuing education. If you have opinions regarding this issue, please forward them to John Reynolds prior to the meeting.

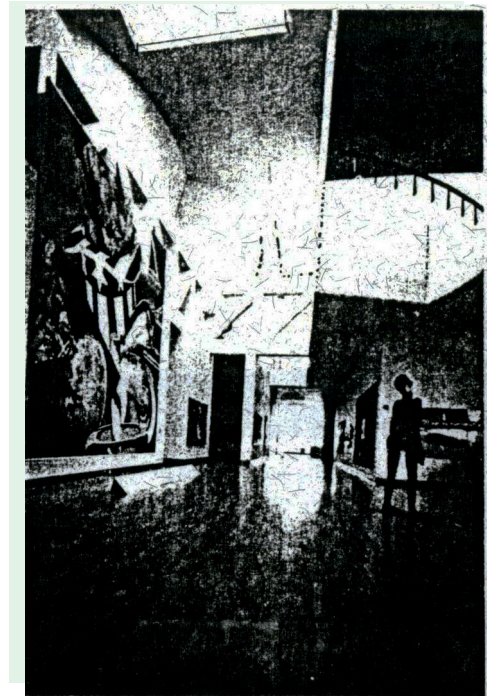
—Walter Grondzik

SBSE Workshop at ASES

Sunday, July 16, before the ASES Conference begins, SBSE will sponsor a half-day workshop to introduce the Vital Signs project to ASES and whet our appetites for the August training session. The workshop will serve as a means to maintain our presence at ASES; I am coordinating workshop arrangements with ASES conference folks.

Shall we try some recreational and social events along with the workshop? Maybe walleye fishing or a replacement baseball game. What about an informal SBSE dinner Sunday evening? *[What a fun-filled Minnesota toss-up. How 'bout an excursion to Lake Woebegone? And Aunt Bertha's Kitty Boutique?—ed.]* Mary Guzowski is one local contact, but she may be digging in Alaska with Jim in July. *[We'll have to resort to Lance Lavine and Steve Weeks' hospitality?—ed.]*

—Mike Utzinger



Annual meeting attraction—Gehry's Weisman Museum of Art on the University of Minnesota campus.

SBSE Summer Session [CONTINUED]

cover participants' transportation costs. We may ask the participating schools to make a modest contribution as well. We'll keep you posted.

The majority of this summer's training session will be held at the PG&E Energy Center in San Francisco. Participants will be housed at the Clark Kerr Campus [*Seismic safety fans know its history as a school for the blind: condemned for them, safe for us?—ed.*] adjacent to the University of California, Berkeley. Transportation between Berkeley and San Francisco will be provided [*by BART/AC?—ed.*].

The Program

Vital Signs summer training participants will witness the unveiling of the first resource packages. Presentations by the resource package authors and group discussions will ensure that all participants play an active role in the development and evaluation of the materials.

The Vital Signs summer training session is designed to meet several objectives:

- Provide hands-on training for the participants on the topic-based, field measurement protocols of the resource packages
- Solicit participant evaluation and feedback to guide the final round of refinements
- Initiate materials dissemination by supplying each participant with the resource packages presented at the meeting.

Participants will attend sessions and discussion groups on the following topics:

- Resource package demonstrations, accompanied by hands-on, field exercises
- Internet and World Wide Web as a dissemination vehicle
- Regional databases of candidate buildings (including historic or contemporary, influential, energy efficient, or those representative of specific building types)
- Vital Signs traveling toolkit loan program (supported in part by the National Science Foundation)
- Alternative formats for creating building work-ups
- Teaching with Vital Signs: options for the lecture, seminar, or studio.

Eligibility and Selection Criteria

Any full- or part-time architecture faculty member is invited to apply for the 1995 Vital Signs training session. We encourage applications from:

1. Individual faculty
2. Faculty—faculty pairs from a single school (e.g., a senior—junior or design—technical team)
3. Faculty—student pairs from a single school (students should already have a specialized interest in energy issues and may have an interest in a teaching career or serve as teaching assistant for the faculty member's course in 1995–96).

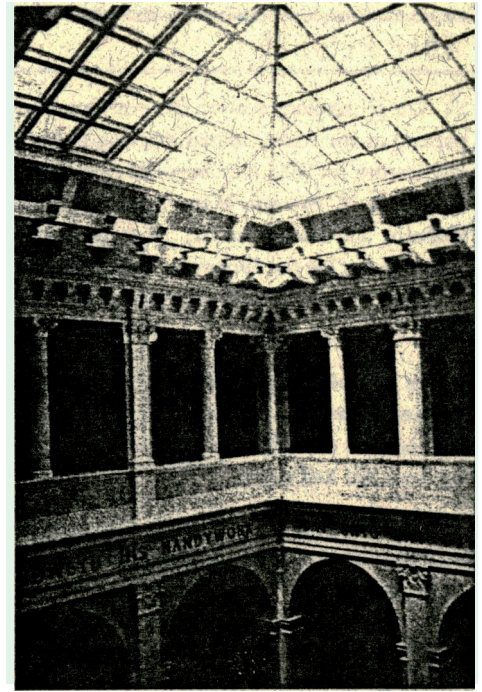
Approximately 30 participants will be selected. Those selected will be expected to prepare a presentation for the training session (such as how their existing course formats might integrate Vital Signs materials). Details of this requirement will be given at a later date. Selections will also be based on:

- demonstrated interest or knowledge in the subject matter
- ability to contribute to the training session objectives
- submission of relevant course syllabi for Vital Signs material incorporation.

Application Deadline: May 15

We will let applicants know by June 1 if they have been selected. If you would like to receive an application or further information, contact Gail Brager; University of California, Architecture Department, 232 Wurster Hall #1800, Berkeley, CA 94720-1800; Phone 510-642-1696; Fax 510-643-5571; e-mail <gbrager@ced.berkeley.edu>.

—Gail Brager



You may have a chance to take the pulse of Julia Morgan's Oakland YWCA at the SBSE summer eat.

Letters [CONTINUED]

Lisa Heschang, author of the immortal *Thermal Delight in Architecture*, now has an energy consulting business with her husband, Doug Mahone, and when last heard from was busy and happy. She can be reached at 4610 Paula Way, Fair Oaks, CA 95628, 916-863-0528.

I have a copy of Richard Kellogg's *Demonstrating Structural Behavior*, and it is **superb**. Now we need an equivalent publication that shows how to do a complete set of simple, physical models to demonstrate every aspect of thermal behavior of buildings.

—Ed Allen, South Natick, MA

[Thanks for rapping on Lisa; we want to keep in touch. So, who out there is up to waxing poetic on Demonstrating Thermal Delight (in buildings)? Ed's thrown down the gauntlet.—ed.]



SBSE People

☆ The technology section (six sessions of four papers) at the ACSA annual meeting in Seattle will feature six SBSE members—**Ed Allen, Terri Boake, G. Z. Brown, Mary Guzowski, Gary Siebein, and David Smith.** [*Hardly a viable replacement for the Technology Conference . . . there's a baseball analogy here somewhere.*—ed.]

✓ In the spirit of the baseball strike, **Leonard Bachman** has been sighted as the latenight HBO replacement comedian for Dennis Miller. Check out your old *SNL* tapes.

⊛ The University of Minnesota Cass Gilbert Visiting Professor of Architecture for 1994–95 is **G. Z. Brown.**

✈ **Ginger Cartwright** is spending her sabbatical spring term as a visiting professor at Cornell University.

✍ “Siting a House: Proper Siting and Design Strategies Enhance Energy Efficiency,” by **Joe Numbers**, was published in *Fine Homebuilding*, no. 93 (Feb/Mar '95).

👉 Among **Steve Weeks'** energy- and construction-based research is a time-lapse video on Gehry's University of Minnesota art museum. Watch for it at ASES?

Oops!

Never heard of the San Francisco Museum of *Contemporary Art*? I applied that misguided title to SF MOMA, Mario Botta's daylightful design, in the winter *SBSE News*. *Mea culpa.*—ed.

A Book to Review

A text to fill the long-standing void—discussing interior design in terms of environmental issues—has appeared. *Eco-Interiors: A Guide to Environmentally Conscious Interior Design*, by Grazyna Pilatowicz (and dedicated to her supportive husband, Howard Stern [*the shock jock?*—ed.]) (Wiley) seems to be a well thought out, holistic effort with great examples and case studies. Finally, a text for those of us who need to integrate an interior design perspective in our environmental technology courses.

—Bruce Haglund

Conference Review

The first International Conference on Lighting Education was held at the University of Colorado, Boulder, 27–30 October 1994. Organized by David DiLaura and funded by the Illuminating Engineering Society of North America (IESNA) and Lithonia Lighting, the conference brought together over 60 participants from 8 countries. Attendees included lighting educators, design practitioners, manufacturers, and suppliers—all with a common interest in advancing the state of lighting education.

Sessions addressed:

- What Do We Teach? How Do We Teach?
- Assessing the Product
- What Employers Want
- Making Lighting an Academic Discipline: Support and Growth
- Facilities and Technology in Lighting Education
- Assessment and Summary.

In addition, informal evening sessions focused on what should be included in any lighting program and the role of lighting professionals certification. Proceedings from the conference may be obtained from IESNA, 120 Wall Street, NY, NY 10005–4001.

As a follow-up to the conference, a network of lighting educators is forming. A second international conference in California was proposed for 1995. For more information on this lighting education group, contact David DiLaura; University of Colorado, Box 422, Boulder, CO 80309–0422; e-mail <dilaura@bechtel.colorado.edu>.

Commentary

The conference should be of interest to SBSE members for several reasons—lighting education materials, initiatives, and networks. Many participants at the conference were akin to typical SBSE members—the only lighting educator at their institution. The active participation of the IES Executive Director was an excellent means to build bridges between lighting educators and the premiere lighting professional society. The participation of educators from other countries provided a great opportunity to gauge one's own experiences against activities in a much wider arena. The active involvement of lighting designers and industry representatives added a practical perspective. There were few SBSE members in attendance: the guiding force of the conference appeared to come from architectural engineering programs. A great deal of pre-conference communication regarding the program and registration was conducted by e-mail using a lighting interest list-server.

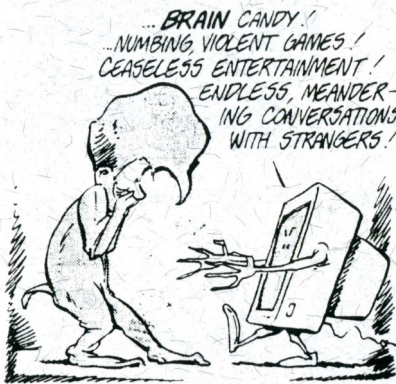
—Walter Grandzik

David DiLaura's View

The International Lighting Education Conference was very successful. We had an excellent opportunity to share ideas, discuss problems, and debate large and small matters. There is little doubt that it was worthwhile. One of the things which became clear at the conference was the need for extensive and carefully wrought lighting teaching materials. It was thought that laboratory exercises, demonstrations, and self-study materials could help all of us. Can we find funding for such development? Perhaps one of us, in concert with interested conference attendees, could produce a proposal for the Nuckolls Fund. Are there other ideas for getting something like this going?

—David L. DiLaura

Internet Buzz



Please tell me where and how I can find out more about Softdesk Energy (*SBSE News*, Winter 1994), such as price, more precise ETA, specifications, etc. [*Didn't mention it, did I? Take it, Terry Blomquist.—ed.*]

—Patrick Waterfield
<p.waterfield@ulst.ac.uk>

I understand that Softdesk Energy inquiries should be referred to VP of Sales and Marketing, Jessie Devitte, at 603-428-3199.

—Terry Blomquist
<terryb@aaa.uoregon.edu>



Two issues:

1. We have, courtesy of DOE, dozens (hundreds?) of copies of "Advanced Lighting Guidelines: 1993," a 12-chapter handbook covering soup-to-nuts for the lighting designer, educator, novice, whomever. I'm willing to send a copy to everyone on the SBSE mailing list if you want to provide labels, or we could post an announcement in the *SBSE News* and see who is interested. Any thoughts? [*Let's see who responds to this notice.—ed.*] Do you have a copy? [*No, send me one, please.—ed.*]

2. I'm interested in hearing from anyone involved in design assistance for energy efficiency in commercial buildings, both new and retrofit. I'm putting together a report for DOE on what works in design assistance approaches and am reviewing both the big utility-financed centers as well as smaller operations. I'd love to hear from anyone with a story to tell. Call 510-486-4459 or e-mail <RCDiamond@LBL.GOV>.

I won't ask you how you're surviving the start of the non-baseball season. [*Can you say, "withdrawal?"—ed.*]

—Rick Diamond



I volunteered to organize an ad hoc SBSE committee to review Vital Signs materials. Depending on our experience with Vital Signs, SBSE may want to maintain a standing curriculum materials review committee that would offer advice to SBSE members developing materials for their own classes or a larger market. We will start evaluating materials this spring and continue through the next year. If you are interested, please contact G. Z. Brown; Department of Architecture, Energy Studies in Buildings Laboratory, University of Oregon, Eugene, OR 97403; Phone 503-346-5647; Fax 503-346-3626; e-mail <gzbrown@aaa.uoregon.edu>.

—Charlie Brown

[*J. J. Kim and Terri Meyer Boake are conducting separate curriculum surveys. Terri is also developing sustainable architecture materials based on the results of her survey. I think we can all help each other here.—ed.*]



Services Offered

I am pleased to announce the formation of Wendy K. Lochner Editing, Writing, and Publishing Services. After a 20-year career spanning all aspects of acquisitions, rights, development, and publishing of nonfiction books specializing in art, architecture, and design for trade, text, and professional audiences, I am eager to take on the challenges and opportunities of my own business. In particular, I am looking forward to putting my knowledge and experience to work for the individual author.

I can offer prompt, friendly, expert service in representation, research, proposal preparation, manuscript evaluation, and writing and editing. For example, I can evaluate your book ideas and manuscripts and make recommendations; act as your agent in finding the best publisher for your work and negotiating your contract; conduct market research and competitive analyses for your projects; and provide writing and editorial assistance throughout the often difficult authoring process.

Call me (phone 516-244-8108, fax 516-244-2542) at any time to discuss your publishing needs. I'm ready to help!

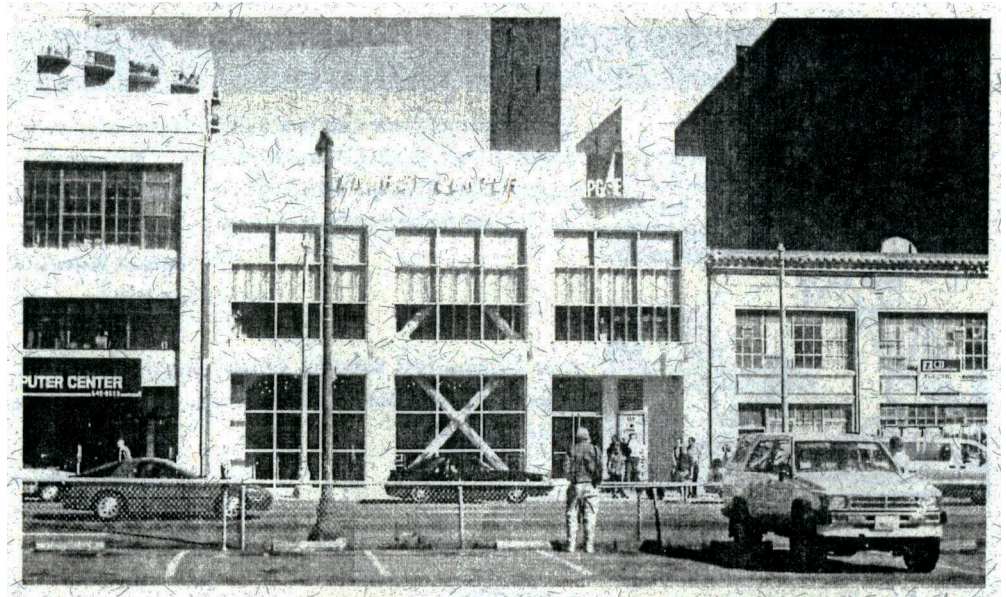
Wendy Lochner
277 Handsome Ave.
Sayville, NY 11782

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Desktop publisher seeks work more interesting than business reference tools. Expertise in editing architecture-speak. If you think *InsideOut* and *SBSE News* are finally in English and you have a publishing project that needs some editing and/or layout help, e-mail either Tisha <egashira@ospresy.csr.v.uidaho.edu> or Bruce.

[*Tisha, better known as ed.'s ed., can supply you with all the red marks you can stand. Somehow, English happens.—ed.*]

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The Pacific Gas & Electric Company Energy Center, 851 Howard Street, San Francisco, CA.



printed on recycled paper

Summer issue submittal deadline—July 1.

SBSE News
c/o Bruce Haglund
Department of Architecture
University of Idaho
Moscow, ID 83844