



EARTHQUAKE ENGINEERING RESEARCH INSTITUTE NEWSLETTER

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ISSN 0270-8337

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EARTHQUAKE ENGINEERING RESEARCH INSTITUTE

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News of the Institute

2002 Annual Meeting Highlights

The past, present, and future of earthquake engineering came alive at our 54th annual meeting in Long Beach, thanks to organizing committee chair Terry Dooley and southern California committee members Robert Bachman, Mark Benthien, Linda Bourque, Dave Breiholz, David W. Cocke, Ron Eguchi, Mel Green, Henry Huang, Mark Legg, Marshall Lew, LeVal Lund, Stanley Mendes, Alan Merson, Farzad Naeim, William Petak, Fred Schott, Frieder Seible, Hope Seligson, Amie Smith, Paul Somerville, Eric Stovner, John Wiggins, Robert A. Olson, Charles Scawthorn, and Gene Zeller. 2002 Annual Meeting sponsors, KPFF Consulting Engineers, Kinemetrics Inc., and Nabih Youssef and Associates, provided valuable leadership with their financial support of networking events for members, exhibitors, and speakers throughout the four-day gathering.

Wednesday saw the return of EERI's popular Learning from Earthquakes training with 90 participants spending a full day in sessions offered by Jay Love, Marjorie Greene, John Meyer, Joshua Marrow, Scott Deaton, Loring Wylie, Kimberly Shoaf, and Jonathan Stewart.

The meeting itself was introduced with welcoming remarks from EERI president Chris Poland, who bestowed honorary membership on Roger Borchardt and Sheldon Cherry. Later in the day, additional award recipients were recognized, including Stephanie Chang (Shah Family Innovation Prize) and Anil Chopra (George W. Housner medal).

Regional and national preparedness, and the latest available technologies, were themes of technical programs throughout the week. Presentations from Dave Wald of USGS on ShakeMap, and Doug Huls from the California OES on HAZUS, demonstrated how these software programs, when applied to a potential event on southern California's Palos Verdes fault, could project earthquake impacts and potential losses within minutes of the event. Important links between earthquake engineering and investigations into damage caused by events of September 11th were explored in fascinating presentations by New York EERI members, Guy Nordenson and Charles Thornton.

A Friday evening highlight was banquet guest speaker Ronald Blom from Caltech's Jet Propulsion Lab. Blom recounted his groundbreaking application of satellite imagery to an archeological expedition in the southern Arabian peninsula, sparking the imaginations of many in the room. The week ended in the beautiful southern California out-of-doors with a walking tour of historic Long Beach retrofits, and a cruise of Long Beach harbor.



*Annual Meeting Chair
Terry Dooley*



Current and Past Presidents Poland and Arnold.

See page 8 for more Annual Meeting photos.

News of the Institute

Summary Minutes of the November 29, 2001 Meeting of the Board of Directors

Preliminaries: President Chris Poland called the meeting to order at 8:50 a.m. Present were Past President Chris Arnold, Directors Thalia Anagnos, Paul Somerville, and Secretary/Treasurer Ron Mayes. Also present were Executive Director Susan Tubbesing and Administrative Assistant Juliane Lane. Directors Sergio Alcocer, Mel Green, Dennis Mileti, and Svetlana Brzev were not present. Mark Marin and Michael Ledford arrived at 11:00 a.m. for one hour. Peter Yanev and Charles Scawthorn arrived at 1:30 p.m. for one hour.

Revenue/Expense Reports and Budget: Mayes reviewed the Report of Revenue and Expenses as of October 31, 2001. The combined balance sheet showed the Institute's opening fund balance of \$241,865 was decreased by \$100,000 transferred to the Endowment Fund, then increased by excess revenue over expenses of \$87,331.

EERI's total liabilities balance of \$173,169 combined with the total fund balance equaled \$402,364. The Endowment Program's opening fund balance of \$708,443 was increased by \$100,000 transferred from the Institute's General Fund, then decreased by \$148,638 excess revenue under expenses for a balance of \$659,804. The Endowment Program's total liabilities of \$258,215, combined with the total fund balance equaled \$918,019. All programs combined, including association, technical and endowment, totaled \$1,320,383.

The Investment Funds Report showed \$60,225 in the General

Administrative Short-Term Fund, \$32,849 in the General Administrative Long-Term Fund, and \$660,304 in the Endowment Fund. The Innovation Prize Investment Fund totaled \$160,542. The Institute's interest-bearing checking account showed a balance of \$156,566. The combined invested funds in both General Administrative Funds totaled \$249,640.

The Grants Status Summary showed that of \$4,766,639 in active grants, \$1,119,768 had been expended as of September 30, 2001.

Schedule of Insurance: EERI's Professional Liability coverage is \$5 million. The Board approved Mayes' motion to reduce this coverage to \$1 million.

Publications Sales Report: An e-mail message to all EERI Members in Academia notified them of the availability of the new monograph, *Seismic Design with Supplemental Energy Dissipation Devices*, for classroom use. Costello will look into advertising EERI publications and products in engineering magazines.

Research Needs and Opportunities: Somerville's Research Panel is meeting on January 8, 2002. They are preparing a draft and will post it on the web for feedback. Poland noted that this is EERI's most important endeavor right now.

Spectra Editor Search: A search committee has been formed. There will be an announcement for the position in the December Newsletter. The goal is to have the editor in place by the second quarter of 2002 to allow a six-month overlap with Roger Borchardt, the retiring editor.

Regional Chapter Authorizations: Mayes moved to revise "Regional Chapters — EERI Authorizations and Regulations," page 2, paragraph

3b to read, "...Such Regional Membership is valid indefinitely." Regional Chapter members will be included in the EERI Roster and provided with a copy each year.

Honors Committee Recommendations: The Honors Committee met on November 12, 2001. The Board approved the following nominations and recommendations:

George W. Housner Medal: Professor Anil K. Chopra
Honorary EERI Membership: Sheldon Cherry and Roger D. Borchardt
Outstanding Paper Award: A. D. Frankel, with his coauthors, for "USGS National Seismic Hazard Maps," Earthquake Spectra theme issue: Seismic Design Provisions and Guidelines, Volume 16, No. 1.
Special Recognition Award: Charles A. Kircher and Ronald O. Hamburger for editing the Earthquake Spectra theme issue: Seismic Design Provisions and Guidelines, Volume 16, No. 1.
Honors Committee Membership: Robert D. Hanson
Rotation of Honors Committee Chair: By normal rotation, J. Carl Stepp will step down and T. L. Youd will become chairman effective with the February 2002 meeting.
Member terms: The Honors Committee recommends that its members' terms be reduced from five years to three. In implementing this change, J. Carl Stepp would rotate off the committee entirely. Peter J. May would replace him on the committee.

Lobbying at the State and National Levels: At the invitation of the Board, Lewis-Burke Associates, a Washington D.C. lobbying firm that specializes in representing the science and engineering communities, participated in the Board meeting. In order to influence legislation, EERI needs to have someone "inside" Washington D.C., and a specific goal must be identified. The Board discussed at length how to work with

a lobbying firm and how to fund this activity. Costello will research lobbyists who work on a fee-for-service basis. The Board agreed that, armed with the new Research Plan, EERI should develop a coalition or hazards organizations and lobby Congress. Mayes and Poland will contact our members in university administration to determine the possibility of their partnership and funding to engage a lobbyist.

Chapter Presentation on Quake '06: Peter Yanev and Charles Scawthorn joined the meeting to update the Board on activities of the new Northern California Chapter and its Quake '06 campaign. The chapter has approximately 75 members. The board of directors and the bylaws are in place. The executive committee consists of Peter Yanev, President; Charlie Scawthorn, Vice President; and Tom Tobin, Secretary/Treasurer.

Quake '06 is a four-year campaign to reduce earthquake risk in northern California, beginning April 18, 2002, the 96th anniversary of the 1906 earthquake, and ending on the 100th anniversary in 2006. The campaign is a partnership among the community of earthquake professionals in the chapter and cities, agencies, and other groups at risk in northern California. Activities and materials developed as part of Quake '06 will become part of the Mitigation Center which will in turn provide materials and training for Quake '06.

The Mitigation Center: Director Svetlana Brzev joined the meeting by telephone at this point. More than 100 people expressed interest in serving on the Mitigation Center Advisory Committee. Its first meeting was December 11, 2001. Poland stated his vision that a virtual center would also provide Web-based training. He said that publications should be scanned onto the web site. The center offers the potential to have materials available to other countries through the Web. There could be

webcasts and seminars for audiences all over the world. In the future, materials on the Web could be translated into other languages. A primary need is to identify financial support to establish a list server, to scan documents, and to develop a virtual resource center and training.

Obituary

Stanley Scott November 1, 1921 – January 5, 2002



One of EERI's honorary members, Stanley Scott, passed away on January 5, 2002. Post-polio complications had necessitated surgery. There were several setbacks.

A native of Texas, Scott received his BS from Texas Technological University in 1942, and his MA in political science in 1947 from the University of Chicago. His entire working career was spent at the University of California at Berkeley. In 1947, he began as a researcher at Samuel May's Bureau of Public Administration, which later became the Institute of Governmental Studies (IGS). He authored numerous publications on governmental affairs and public policy, including "Governing a Metropolitan Region: The San Francisco Bay Area" (1968), and "Governing California's Coast" (1975). In addition, he edited the Franklin K. Lane monographs from 1964 to 1972, a series published by IGS in order to inform the Bay Area public and its governmental leaders, and to suggest policy actions.

One of the more important Lane monographs was Karl V. Steinbrugge's "Earthquake Hazard in the San Francisco Bay Area: A Continuing Problem in Public Policy," issued in 1968. It was noticed by State Senator Alfred E. Alquist, who helped elevate earthquake safety to a higher level on the state's agenda and contributed to the establishment of the Seismic Safety Commission. Scott was himself appointed to the Commission, where he served 18 years (from 1975 to 1993) and which he chaired from 1981 to 1984. After political momentum for regional government waned in the 1970s, he shifted his research and writing to include monographs and articles on the policy aspects of earthquake engineering. From 1984 to 1985, he was a member and chairman of the Bay Area Regional Earthquake Preparedness Project Policy Advisory Board.

In the mid-1980s Scott began recording oral history interviews with selected earthquake engineers, starting with Henry Degenkolb. After retirement from Berkeley in 1989, he continued his oral history work with the cooperation of the Regional Oral History Office of Bancroft Library at UC Berkeley. Drawing on this interview program, in 1994 EERI initiated its "Connections: The EERI Oral History Series." Scott published several volumes in the series, the most recent of which, Egor P. Popov, was just issued this year. He had completed work on a number of oral histories and EERI will continue to issue new volumes annually.

During his long and distinguished career, Scott received numerous awards, including the University of California's Berkeley Citation (1982) and the Alfred E. Alquist Award from the California Earthquake Safety Foundation (1990). He is survived by his wife Ana, his three adult children, James, Philip, and Laila, and four grandchildren.

News of the Institute

Treasurer's Report: Fiscal Year 2001

The data to the right, taken from the audited financial statement of the Institute, summarize the financial status of EERI as of December 31, 2001. Although in 2001 EERI's expenses were \$14,000 above revenues, over the span of the last two years, the Institute has broken even. The 2002 budget is projected to break even. The budget increase to \$2.156 million is due to the upcoming 7th U.S. National Conference on Earthquake Engineering, as well as increases in grants from LFE and FEMA.

Members contributed more than \$64,000 to the Endowment Fund in 2001. There was an 8% loss on the Endowment's investments last year, a much better performance than the overall stock market. Since the Endowment's inception in 1993, it has earned \$400,000, an average of 10% a year. During that time, \$1.8 million has been raised, while program expenses have been \$800,000, with approximately \$1 million remaining. The Board's goal is for the Endowment to reach the level of \$2 million as soon as possible. Projected expenses for 2002 are \$160,000.

A look at the direct and indirect benefits of membership shows that members receive \$521 in value, nearly triple the amount of their annual dues of \$180. In 2001, dues were only 28% of the total income of \$1.44 million from revenues and grants, an indication of the importance of FEMA and NSF in supporting EERI's mission. The number of members has been static for three years. While EERI is in solid financial shape, for the Institute's long-term health it would be most beneficial for current members to enlist new members, and to contribute to the Endowment Fund.

Ronald L. Mayes
EERI Secretary/Treasurer

2001 Summary of Revenues and Expenses

Revenues (\$1,000's)

Meetings	\$156
Publications	44
Membership and Spectra Dues	467
Interest and Other Income (G & A)	-3
TOTAL REVENUES	\$ 664

Expenses (\$1,000's)

Meetings	\$189
Publications	127
Journal	167
Membership	110
Support Programs	18
Association Expenses	67
TOTAL EXPENSES	\$ 678

REVENUES OVER EXPENSES **\$ (14)**

2001 Endowment Fund Summary of Expenses

Expenses (\$1,000's)	168
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2001 Grant Fund Summary of Revenues and Expenses

Revenues (\$1,000's)	632
Expenses (\$1,000's)	632

2001 Benefits of Membership (2449 members)

	2001 Expenses	Per Member
General Administration	\$166,636	\$66
Membership Services	109,777	44
2001 Annual Meeting	32,718	13
Newsletter	48,707	19
Journal (2670 members)	166,768	62
Support Programs	17,948	7
TOTAL	\$542,554	\$212

2001 Indirect Benefits of Membership

FEMA	\$342,257	\$136
Learning from EQs (NSF)	267,700	106
Endowment	167,679	67
TOTAL	\$777,636	\$309

PLEASE POST IMMEDIATELY



EARTHQUAKE ENGINEERING RESEARCH INSTITUTE

**2002–2003 EERI/FEMA
GRADUATE FELLOWSHIP IN
EARTHQUAKE HAZARD REDUCTION**

EERI is pleased to announce the availability of a Graduate Fellowship for the 2002–2003 academic year to support one full-time student in a discipline contributing to the science and practice of earthquake hazard mitigation.

The one-year fellowship, underwritten with funds provided by the Federal Emergency Management Agency, is designed to foster the participation of capable individuals in working toward goals and activities of the National Earthquake Hazards Reduction Program.

AWARD

The EERI/FEMA fellowship provides a nine-month stipend of \$12,000 with an additional \$8,000 for tuition, fees, and research expenses.

CRITERIA

Applicants must be enrolled in a graduate degree program at an accredited U.S. college or university and must hold U.S. citizenship or permanent resident status. All applications must include an academic transcript and a statement of educational and career goals.

Applications, together with a letter of nomination, shall be submitted by a faculty sponsor at the host institution. Two additional reference letters should be submitted directly to EERI. They should evaluate the applicant's recent academic performance and the candidate's potential to contribute to the field.

TO APPLY

Candidates may obtain application forms from their college or university departments, from EERI's web site (<http://www.eeri.org>), or upon request from:

Earthquake Engineering Research Institute
499 14th Street, Suite 320
Oakland, California 94612-1934
phone: (510) 451-0905 fax: (510) 451-5411 e-mail: eeeri@eeeri.org

**Deadline for receipt of all application materials at EERI is MAY 17, 2002.
Announcement of the award will be made on JUNE 17, 2002.**

CALENDAR

Items that have appeared previously are severely abbreviated. The issue containing the first, or most informative, appearance is indicated at the entry's end. Items listed for the first time are shown in **bold**.

2002

MARCH

14-16. Disaster Management Conference, Gujarat, India. Web: www.iocdm.com (11/01)

15-17. NZSEE Annual Conference 2002, Napier, NZ. Info: jacquie@hague.co.nz (11/01)

17-21. Smart Structures and Materials, San Diego, CA. Info: www.spie.org/info/ss (7/01)

18-20. CUSEC Annual Meeting, Little Rock, AR. Info: www.cusec.org (1/02)

25-28. Workshop on Bridge Analysis and Design, Berkeley, CA. Info: www.unex.berkeley.edu/eng (2/02)

APRIL

7-12. World Conference on Structural Control, Como, Italy. Info: congress@icil64.cilea.it (7/01)

21-26 EGS Meeting, Nice, France. Info: www.copernicus.org/EGS/EGS.html (1/02)

24-26. 8th Chilean Conference on Earthquake Engineering, Valparaiso, Chile. Info: www.achisina2002.uftsm.cl (10/01)

26. LA Tall Buildings Council Annual Meeting, Los Angeles, CA. Info: gbrandow@bjase.com (12/01)

28-May 1. Seismic Conference on Highways and Bridges, Portland, OR. Info: mceer@acsu.buffalo.edu (7/01)

MAY

10-11. Clough and Penzien Symposi-

um, Berkeley, CA. Info: www.curee.org (1/02)

16-18. Earth Science and Engineering Symposium, Istanbul, Turkey. Info: www.earth.itu.edu.tr (1/02)

30-31. ATC-17-2 Seminar, Los Angeles, CA. Info: www.atccouncil.org (12/01)

JUNE

10-12. 3rd International Conference on Composites in Infrastructure, San Francisco, CA. Info: www.az-icci.org (3/01)

19-21. Risk Analysis 2002, Sintra, Portugal. Info: www.wessex.ac.uk/conferences/2002/risk02 (9/01)

JULY

21-25. 7th National Conference on Earthquake Engineering, Boston, MA. Info: www.eeri.org. See page 5. (9/99, 8/01, 9/01, 10/01, 11/01, 1/02, 2/02)

SEPTEMBER

2-5. eurodyn 2002, Munich, Germany. Info: www.eurodyn2002.de (8/01)

8-11. Dam Safety 2002, Tampa, FL. Info: www.damsafety.org (2/02)

9-13. 12th European Conf. on Earthquake Engineering, London, UK. Info: www.12ECEE.org.uk (9/00, 12/00)

26-28. SEAOC Annual Meeting, Santa Barbara, CA. Info: MLCSE@aol.com (1/02)

OCTOBER

9-12. Structural Engineers World Congress, Yokohama, Japan. Info: sewc2002.gr.jp (6/01)

23-26. Earthquake Loss Estimation and Risk Reduction, Bucharest, Romania. Info: lungud@cons.incerc.ro (3/02)

2003

FEBRUARY

5-8. EERI Annual Meeting, Portland

Marriott Downtown, OR. (3/02)

13-15. Pacific Conf. on Earthquake Engineering, Christchurch, NZ. Info: www.nzsee.co.nz/pcee (1/02)

News of the Institute

EERI Searching for New Newsletter Editor

In June 2002, after three-and-a-half years in the post, Stephanie King plans to retire as editor of the *EERI Newsletter*. A search is now underway for her successor. The position has a number of benefits, including the chance to have frequent one-on-one contact with key players in the earthquake mitigation professions.

Being able to write well and rapidly is a key skill. Some experience with layout and design would also be useful. King formats the *Newsletter* using Adobe's InDesign layout program. EERI is willing to provide training in this software.

Each month after it is formatted, King e-mails the *Newsletter* file to the EERI office, where editing, proofing and correcting are coordinated. It is then e-mailed to the printer for reproduction and mailing. King reports that it typically takes an average of one hour per page to produce the *Newsletter* each month.

If you are interested in the position, send a summary of your professional background, a description of how you plan to produce the *Newsletter*, and any ideas you have for improving it to Susan Tubbesing at the EERI office by March 31.

A change in editor is a good point at which to introduce new ideas and approaches. King says she would be happy to talk to anyone interested in the position about her experiences over the last few years.

News of the Institute

Contributions to the Endowment Fund

EERI would like to acknowledge the balance of 2001 donations to the Endowment Fund not previously listed.

\$5,000

David Alan Friedman & Paulette Meyer

\$1,000

Forrest T Braun
George M Matsumura
Bruce C Olsen
Joseph Penzien

\$500 - \$999

Roland & Jane Sharpe

\$200 - \$499

George C Lee
Jay & Eileen Love
James K Mitchell
L Thomas Tobin
Susan K Tubbesing
Robert E Wallace

\$100 - \$199

Abolhassan Astaneh-Asl
David Breiholz
Richard Eisner

Sigmund A Freeman
James S Lai
LeVal Lund
Thomas R McLane
Andrew T Merovich
William J Petak
C. David Robinson
Stanley Scott
Pane Stojanovski
Robert J Swain
Thomas D Wosser
T Leslie Youd
Howard Zee

Other Amounts

James L Beck
Svetlana Brzev
Kelly Cobeen
John A Egan
Ross Esfandiari
Martin Graves
Arnaldo Gutierrez
John R Hayes Jr.
Larry C Hultengren
Klaus H Jacob
Michael E Kreger
Frederick Krimgold
Sanford Tandowsky

More Annual Meeting Photos

Photographers: Marjorie Greene, Marshall Lew, Sarah Nathe



Stephanie Chang accepts Shah Prize.



Anil Chopra (right) receives Housner Award.



The future of EERI: first-time Annual Meeting attendees J. Marrow, C. Black, and G. Mosqueda.



F. McClure's 43rd Annual Meeting.



Buffalo students with chapter activities poster.



Walking tour of historic buildings.



Cruise on Long Beach harbor.



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