

Richard J. Proctor (1931-)
Highlights of Richard's career and interesting jobs

Personal vita

BA degree, Cal State University at L.A., 1954; played baseball (2nd base), football (fullback), and track (javelin)

In U.S. Army, attached to Air Force. Layed-out new 2-mile runway for secret bomber (B-52 and later SR-71) at Beale AFB, CA, 1954-56

Married for 57 years, 1955 to 2012 until Ena McLaren Proctor's passing, three children, many dogs and cats

MA degree, UCLA, 1958; field mapping with John Crowell and Tom Dibblee. Thesis published by CA Geological Survey, 1968, Special Report 94

Designed the AEG logo, awarded \$25 prize, 1963

Employed at Metropolitan Water District of SoCal, Jr. Engineer to Chief Geologist, 1958-1980. During these 23 years, had staff of 14, built 3 dams and 26 miles of tunnels. (MWD is world's largest water supplier, to 20 million people.)

Visiting Associate Professor of Geology at Caltech, invited by Richard Jahns, 1970s

President, Richard J. Proctor, Inc., Consulting Engineering Geology, 1980-2000

Consultant at Lindvall-Richter Assoc., with R.H. Jahns, E. Lindvall, C.F. Richter, H. Audell, J. Yaghoubian, 1980-85

Moderator, U.S. DOT- and ASCE-sponsored Symposium on Rapid Transit Construction, held at Caltech, 1981 (AEG Bull. May 1981)

USGS Grant to Caltech, Sierra Madre fault, with C. Allen, R. Crook, B. Kamb, M. Payne (1987, Professional Paper 1339)

Invited to lecture at eleven universities, q.v. below

Traveled to 36 countries (vacations, conferences, lectures, jobs)

Survived cancerous bladder removal surgery at age 85

Was a wine taster for Trader Joe's Markets

Memberships

**Member, US National Committee on Tunneling Technology,
National Academy of Science**

Member, US Committee International Commission on Large Dams

Member, ASCE Underground Technology Research Council

Member, American Arbitration Association

Member, British Tunnelling Society

Fellow, GSA (Geological Society of America)

**Founding Member, US Group, US National Committee for IAEG,
including Richard Galster, Richard Jahns, David Varnes, 1980**

Secretary-Treasurer, AGI (American Geosciences Institute), 1979-83

Chairman, L.A. County Engineering Geologists Appeals Board

President, Branner Geology Club of Caltech, 1979

President, AEG (Association of Environmental and Engineering Geologists), 1979

**President, AIPG (American Institute of Professional Geologists), 1989
(only geologist to be president of both societies)**

**President, Conference of California Historical Societies, 1994-96 (Richard loved
history)**

Notable consultants Richard worked with

**Tor Brekke, Don Deere, Tom Dibblee, Richard Goodman, Allen Hatheway,
Richard Jahns, George Kiersch, Beach Leighton, Ralph Peck, Charles Richter,
David Rogers, Roy Shlemon, Gene Waggoner, Stephen Weinberg**

Notable consulting projects

Alaska - Bridge foundation in Anchorage, for Lindvall-Richter Associates

California - Napa Valley wine cave, for Leighton Associates

- Tunnel under LAX runways, Consulting Board with Engr. Ralph Peck**
- Faulting at Eagle Mtn. Project site, with Joe Birman, Roy Shlemon**

- DWR Mojave Powerplant rockfall, for Kiewit, with Richard Goodman
 - Stringfellow Superfund Acid Pits, with Glenn Brown, Allen Hatheway
 - Litigation investigation of 1971 Sylmar Tunnel explosion, with J. Mountain, Esq.
 - Landslides at Blackhawk, with J.D. Rogers, J. Yaghoubian
 - Inspect landslide adjacent to Elizabeth Taylor's home, Bel Aire, 1994
(was mistaken for Malcomb Forbes by "See the Stars Homes" tour bus leader)
 - MWD Tunnels Consulting Board, with Tor Brekke, Greg Korbin, Ron Scott
 - Subway construction in Los Angeles; member of SoCal Rapid Transit District (now MTA) Consulting Board, with geologists R.H. Jahns, E. Lindvall, seismologist C.F. Richter, and engrs. Ron Heuer, Joe Sperry, J. Yaghoubian; (in 1978 we laid-out much of the as-constructed route of the L.A. Metro subway)
 - Missile-in-silo explosion rock fallout extent test, Mojave Desert, for US Navy
 - *Tunnels and Trains*, Episode 206 of *Beakman's World*, Columbia Pictures Television, 1993 (collaborator on children's educational TV program)
 - Siting for National Underground Lab for proton decay, for UC Irvine physicists Wm. Kropp and Nobelist Stephen Weinberg
- Canada - Subway construction in Montreal, by Ing. Gerard Gascon
- Colorado - Stanley Tunnel, with Engr. Hugh Cronin
- Ecuador - Faulting in Quito, with Eric Lindvall, Charles F. Richter
- England - Subway construction in London, by Engr. David Jobling
- Germany - Subway construction in Bochum, by Ing. Klaus John
- Hawaii - Rockfall at Hana Highway, Maui, for HI Attorney General
- Oregon - Subway construction in Portland, with Tor Brekke
- Tsunami hazard in Newport, for private party
- Utah – Earth dams, for U.S. Soil Conservation Service, with Gene Nelson
- Virgin Islands - Runway extension into ocean, St. Thomas Airport, with Don Deere
- Washington – Mud Mtn. Dam and tunnel, for Cof E, with Allen Hatheway
- Faulting at Hanford Nuclear Site, for Parsons Brinkerhoff

Notable publications

Co-editor of book: *Engineering Geology in Southern California*, with R. Lung, 1966

Co-editor of AEG booklet: *Professional Practice Guidelines*, with Glenn Brown, Allen Hatheway, Mavis Kent, 1981

Co-editor of book: *Engineering Geology Practice in Southern California*, with Barney Pipkin, 1992

Co-author book: *Citizens Guide to Geologic Hazards*, with E. Nuhfer and P. Moser, 1993

Co-author AIPG booklet: *Professional Geologist as Expert Witness*, with George Kiersch, et al., 1994

Wrote book: *A History of AIPG 1963-2003*, 2004

Co-author: *Geology of Los Angeles*, with Eldon Gath, et al. (AEG Bull. May 2007; won GSA Burwell Award of 2010)

Wrote screenplay, *The Fleeting Bliss of Tom Horn*, discussed at lunch with Warren Beatty

Honors

Burwell Memorial Award of GSA, 1972 and 2010 (only two others have won twice, Allen Hatheway and Robert Schuster)

Martin Van Couvering Memorial Award of AIPG, 1990

Honorary Member AIPG, 1992 (Edward Nuhfer, citationist)

Claire P. Holdredge Award of AEG, 1995

AEG Publication Award, 1998

Parker Medal of Am Inst of Prof Geologists, 2003 (Stephen Testa citationist)

Honorary Member AEG, 2004 (A. Hatheway, G. Newton, R. Shlemon, citationists)

Invited to lecture at:

Caltech, by Richard Jahns, Clarence Allen and George Housner

Cal State Univ at L.A., by Martin Stout

Cape Town Univ, by Oliver Barker, Joe DeBeers and F. Netterberg

Cypress College, by Dorothy Stout

Occidental College, by David Cummings

Purdue Univ, by Terry West

San Diego State Univ, by William Elliott

Stanford Univ, by Richard Jahns

Texas A&M Univ, by Chris Mathewson

UCLA, by John Crowell

USC, by Barney Pipkin

Richard wrote/co-wrote the Memorial or Biography of:

Joe Birman, John Fett, Allen Hatheway, Mason Hill, Richard H. Jahns, Donald Lamar, John F. Mann, Vladimir Pentegoff, Charles F. Richter

