

Who Are All These People?

Scripps is blessed (some might say cursed!) by the presence of a large number of full-time seismologists, part-time seismologists, and semi-retired seismologists. To assist you in keeping them straight, here is a brief list:

- Agnew, Duncan. A Scripps graduate (1979) who stayed on. Helps operate the IDA seismic network. Research interests: crustal deformation, geophysical data analysis, instrumentation.
- Backus, George. At Scripps since 1964. Worked on seismic anisotropy and normal mode theory in the 1960s. Co-author of Backus-Gilbert inverse theory. Wrote several classic source theory papers. Research interests: geomagnetism, core fluid mechanics.
- Berger, Jon. A Scripps graduate (1970) who stayed on. Helped develop the IDA very-long-period network deployed by IGPP in the late 1970s. Research interests: seismic instrumentation, nuclear test treaty verification issues.
- Davis, Peter. At Scripps since 1992. Helps run the IRIS/IDA network. Has done research on mantle discontinuities and free oscillations. Current interests: network operations, 3D Earth structure.
- Dorman, Leroy. At Scripps since 1973. Pioneering work on marine gravity measurements and ocean bottom seismology. Research interests: marine seismology, acoustics, gravity.
- Driscoll, Neil. At Scripps since 1990. Builds and operates a unique reflection seismic system that operates in shallow water. Also does geology type stuff.
- Gilbert, Freeman. At Scripps since 1961. One of the founders of normal mode seismology. Co-author of Backus-Gilbert inverse theory. Research interests: normal mode seismology, inverse theory.
- Harding, Alistair. At Scripps since 1989. Has worked on processing and interpretation of marine reflection and refraction data. Research interests: oceanic crustal structure, seismic wave propagation methods, reflection seismic processing.
- Hedlin, Michael. A Scripps graduate (1991) who stayed on. Research interests: monitoring a comprehensive test ban treaty (CTBT), high frequency scattering in the crust and mantle.
- Hildebrand, John. At Scripps since 1983. Has worked on marine gravity measurements, acoustics and ocean bottom seismology. Research interests: marine gravity, ocean bottom seismology, low-frequency ocean acoustics.
- Kent, Graham. A Scripps graduate (1991) who returned to IGPP in 1996 from Woods Hole. Research interests: oceanic crustal structure, reflection seismic processing.
- Laske, Gabi. At Scripps since 1994. Research interests: surface wave tomography, ocean bottom seismology.

Masters, Guy. At Scripps since 1979. Has worked on normal mode, surface wave and body wave seismology. Research interests: use of global seismic data to resolve deep Earth structure, mantle dynamics, seismic tomography.

Minster, Bernard. At Scripps since 1987. Known for theoretical work on attenuation and modeling of instantaneous plate velocities. Research interests: propagation and attenuation of seismic waves, nuclear monitoring, space geodesy, intermediate-term earthquake prediction.

Orcutt, John. A Scripps grad (1976) who stayed on. One of the first to find evidence for magma chambers beneath oceanic ridges. Research interests: ocean bottom seismology and marine experiments, structure of oceanic lithosphere, acoustics.

Shearer, Peter. A Scripps grad (1986) who returned in 1988. Did thesis work with Orcutt on anisotropy in oceanic lithosphere. Research interests: global Earth structure, stacking global seismic data, earthquake location methods, earthquake source spectra

Vernon, Frank. A Scripps grad (1989) who stayed on. Operates the Anza seismic network and a network in the former Soviet Union. Research interests: network installation and operation, earthquake seismology, time series analysis.

In addition, the Scripps graduate program has produced a number of well-known seismologists now at other institutions. These include Don Helmberger (1967), Tony Dahlen (1969), Leonard Johnson (1971), Ralph Archuleta (1976), Steve Huestis (1976), Steve Day (1977), Jan Garmany (1978), Steve Hartzell (1978), Paul Spudich (1979), Stu Sipkin (1979), Art Lerner-Lam (1982), Paul Silver (1982), Ken Creager (1984), Jeff Park (1985), Mark Riedesel (1985), Michael Ritzwoller (1986), Sue Hough (1986), Rick Aster (1991), Rudolf Widmer-Schmidrig (1991), Maya Tolstoy (1994), and Paul Earle (1997).