

Professional Preparation

Massachusetts Inst. of Technology	Earth and Planetary Science	BS, MS 1976
Columbia University	Geological Sciences	M.Phil 1978, PhD 1982

Appointments

Assoc. Chair	Dept. Earth & Env. Sci	2000–date
Professor	Columbis University	1992–date
Associate Director	Lamont–Doherty Earth Obs.	1989–1992
Associate Professor	Columbia University	1986–1992
Assistant Professor	Oregon St. University	1982–1986

Relevant Publications

- Menke–W, Shallow crustal magma chamber beneath the axial high of the Coaxial Segment of Juan de Fuca Ridge at the "Source Site" of the 1993 eruption, submitted to *Geology*, 2001.
- Menke, W. and D. Sparks, Crustal accretion model for Iceland predicts 'cold' crust, *Geophys. Res. Lett.*, 1673–1676, 22, 1995.
- Brandsdottir, B., W. Menke, P. Einarsson, R. White and R. Staples, Faeroe–Iceland Ridge Experiment — II, Crustal structure of the Krafla central volcano, *J. Geophys. Res.* 102, 7867–7886, 1997.
- Hu., G., W. Menke and C. Powell, Polarization tomography for P wave structure in southern California, *J. Geophys. Res.* 99, 15245–15256, 1994.
- Menke, W. and D. Abbott, *Geophysical Theory (Textbook)*, Columbia University Press, 458p, 1989.

Other Publications

- Menke, W., *Geophysical Data Analysis: Discrete Inverse Theory, Revised Edition (textbook)*, Academic Press, Inc., New York, 1989.
- Menke, W., M. West, B. Brandsdottir and D. Sparks, Compressional and shear velocity of the lithosphere in northern Iceland, *Bull. Seism. Soc. Am.* 88, 1561–1571, 1998.
- Abbott, D. H., W. Menke, M. Hobart, R. Anderson and R. W. Embley, Correlated sediment thickness, temperature gradient and excess pore pressure in a marine fault block basin, *Geophysical Research Letters* 11, 485–488, 1984
- Gudmundsson, O., B. Brandsdottir, W. Menke and H. Olafsson, The magma chamber of Katla volcano in the propagating volcanic zone of south Iceland revealed by seismic undershooting, *Geophys. J. Int.* 119, 227–296, 1994.

Synergistic Activities

- Seismological Field Experiments: SIST (Iceland), ONYNEX (NY–New England), Katla Undershooting (Iceland), FIRE (Iceland), Baradalur '96 (Iceland), Axial Volcano (Juan de Fuca Ridge). IRIS/PASSCAL Standing Committee, 1996–1997
- Development of 3–semester "The Earth System" undergraduate course at Columbia University, 1994–1996.
- Ridge Multibeam Synthesis Project and associated database, 1995.

Collaborators M. Brandon (Yale), B. Brandsdottir (U. Iceland), P. Einarsson (U. Iceland), V. Levin (Yale), J. Park (Yale), D. Sparks (TAMU), R. White (Cambridge)

Graduate Advisors A. Brecher (Undergraduate), P. Molnar (Masters), P. Richards (PhD)

Advisor and Sponsor V. Levin (Yale), M. West (LDEO), C. Rodriguez (LDEO). Total: 8.