

## KENNETH A. HOFFMAN

[https://www.researchgate.net/profile/Kenneth\\_Hoffman3/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Kenneth_Hoffman3/?ev=hdr_xprf)

**DEGREES:** University of California, Berkeley, CA (thesis advisor: John Verhoogen)

• 1966 B.A. Physics • 1969 M.A. Geophysics • 1973 Ph.D. Geophysics

**POSTDOCTORAL:** • 1972-73 Dept. Geology & Geophysics, University of Minnesota

**PROFESSORSHIP:** Physics Department, Cal Poly State University, San Luis Obispo, CA

• 1974 Lecturer • 1974-78 Assist. Prof. • 1978-83 Assoc. Prof. • 1983-2006 Prof. • Now Emeritus

### VISITING PROFESSORSHIPS & RESEARCH POSITIONS:

- 2007-14 Senior Research Scientist, Geoscience Department, University of Wisconsin–Madison
- 2004 Université de Montpellier II, Montpellier, France
- 1998 Institut für Geophysik, ETH-Zürich, Switzerland
- 1997-98 Université de Genève, Geneva, Switzerland
- 1988 Institute de Physique du Globe, Université de Paris, France
- 1980-81 Research School of Earth Sciences, Australian National University, Canberra, Australia
- 1981 Victoria University, Wellington, NZ
- 1977-78 University of Minnesota

---

### PRIMARY DISTINCTIONS:

- 2001 • Allan Cox Memorial Lecture [Fall meeting of the American Geophysical Union (AGU), San Francisco]  
Featured Webcast: <http://www.agu.org/webcast/hoffman.html>
- 2001 • Series of invited talks in Beijing, China
- 1999 • Invited talk at the Royal Society of London
- 1998 • Invited public lecture at Geneva's Museum of Natural History
- 1997-00 • President: Geomagnetism-Paleomagnetism (GP) Section of the American Geophysical Union
- 1995-99 • Chairman: Division I 'Internal Fields' of the International Association of Geomagnetism and Aeronomy [IAGA]
- 1994 • Invited talk at the Royal Astronomical Society, Burlington House, London
- 1992 • Elected Fellow of the American Geophysical Union:  
[1 per 1000 members (0.1% of union membership) elected each year]  
Citation: "*For pioneering contributions to our understanding of Earth's reversing dynamo.*"
- 1989 • Series of invited talks in the Soviet Union
- 1988 • Outstanding Professor of the California State University System:  
"Trustees' Award" [Conferred by Chancellor and Trustees]

CV — K.A. Hoffman

- 1988 • *Scientific American* invited paper on geomagnetic reversal
- 1986-90 • Editor, *Journal of Geophysical Research: Solid Earth and Planets*
- 1982 • Invited talk at the Royal Society of London

#### **OTHER DISTINCTIONS & SCIENTIFIC SERVICE:**

- 2004 • Chair: Search Committee: Editor for the *Journal of Geophysical Research*
- 2000 • Fleming Medal Committee [American Geophysical Union]
- 1996-97 • Committee on Fellows: [American Geophysical Union]
- 1994-95 • Fellows Committee: GP Section [American Geophysical Union]
- 1989-93 • Chairman: Paleomagnetism Working Group (WG I-3) of IAGA
- 1984-86 • Advisory Board, *Earth and Planetary Science Letters*

---

**PUBLICATIONS:** Downloads available at

[https://www.researchgate.net/profile/Kenneth\\_Hoffman3/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Kenneth_Hoffman3/?ev=hdr_xprf)

#### **SELECTED:**

- Hoffman, K.A., Camps, P. And Carlton, M., Rare palaeomagnetic evidence of long-term mantle control of the geodynamo and possible role of the NAD-field in the reversal process, *Geophysical Journal International*, 221, 142–150, <https://doi.org/10.1093/gji/ggz480>.
- Hoffman, K.A. and Mochizuki N., Evidence of a partitioned dynamo reversal process from paleomagnetic recordings in Tahitian lavas, *Geophys. Res. Lett.*, 39, L06303, doi:10.1029/2011GL050830 (2012).
- Hoffman, K.A. and Singer, B.S., Magnetic Source Separation in Earth's Outer Core, *Science*, 321, 1800 (2008).
- Singer, B.S., Hoffman, K.A. *et al.*, Structural and temporal requirements for geomagnetic field reversal deduced from  $^{40}\text{Ar}/^{39}\text{Ar}$  dated lava flows, *Nature*, 434, 633-636 (2005).
- Hoffman, K.A. and Singer, B. S., Regionally recurrent paleomagnetic transitional Fields and Mantle Processes, in: *Timescales of the Paleomagnetic Field*, Geophysical Monograph 145, American Geophysical Union, Washington, 233-244 (2004).
- Zhu, R., Hoffman, K.A. *et al.*, Earliest presence of humans in Northeast Asia, *Nature*, 413, 413-417 (2001).
- Hoffman, K.A., Temporal Aspects of the Last Reversal of Earth's Magnetic Field, *Phil. Trans. Roy. Soc. Lond.*, A 358, 1181-1190 (2000).
- Singer, B., Hoffman, K.A., *et al.*, Dating transitional magnetized lavas of the late Matuyama Chron: Toward a new  $^{40}\text{Ar}/^{39}\text{Ar}$  timescale of reversals and events. *J. Geophys. Res.*, 104, 679-693 (1999).

CV — K.A. Hoffman

- Hoffman, K.A., Dipolar Reversal States of the Geomagnetic Field and Core-Mantle Dynamics, *Nature*, 359, 789-794 (1992).
- Hoffman, K.A., Long-lived Transitional States of the Geomagnetic Field and the Two Dynamo Families, *Nature*, 354, 273-277 (1991).
- Hoffman, K. A., Constantine, V. L. and Morse, D. L., Determination of Absolute Palaeointensity Using a Multi-Specimen Procedure, *Nature*, 339, 295-297 (1989).
- Hoffman, K. A., Ancient Magnetic Reversals: Clues to the Geodynamo, *Scientific American*, 256, 76-83 (1988).
- Hoffman, K. A., Transitional Field Behaviour from Southern Hemisphere Lavas: Evidence for Two-Stage Reversals of the Geodynamo, *Nature*, 320, 228-232 (1986).
- Hoffman, K. A., Geomagnetic Reversals, *Nature*, 309, 90-91 (1984).
- Hoffman, K. A., The Testing of Geomagnetic Reversal Models: Recent Developments, *Proc. Royal Society London, A* 306, pp. 147-159 (1982).
- Hoffman, K. A., Paleomagnetic Excursions, Abortive Reversals and Transitional Fields, *Nature*, 294, pp. 67-68 (1981).
- Hoffman, K. A. and Fuller, M., Transitional Field Configurations and the Geomagnetic Reversal Process, *Nature*, 273, pp. 715-718 (1978).
- Hoffman, K. A., Polarity Transition Records and the Geomagnetic Dynamo, *Science*, 196, pp. 1320-1332 (1977).

**ADDITIONAL:**

- Singer, B.S., Jicha, B.R., Condon D.J., Macho A.S., Hoffman K.A., *et al.*, Precise ages of the Réunion event and Huckleberry Ridge excursion: Episodic clustering of geomagnetic instabilities and the dynamics of flow within the outer core, *Earth Planet. Sci. Lett.*, 405, 25-38 (2014).
- Hoffman, K.A., Singer, B.S., Camps, P., Hansen, L.N., Johnson, K., Clipperton, S., Carvallo, C., Stability of mantle control over dynamo flux since the mid-Cenozoic, *Phys. Earth Planet. Int.*, 169, 20-27 (2008).
- Singer, B.S. Hoffman, K.A., Schnepf, E., Guillou, H. Multiple Brunhes Chron excursions recorded in the West Eifel (Germany) volcanics: Support for long-held mantle control over the non-axial dipole field, *Phys. Earth Planet. Int.*, 169, 28-40 (2008).
- Hoffman, K.A., Polarity transitions: paleomagnetic record, *Encyclopedia of Geomagnetism and Paleomagnetism*, [Ed. D. Gubbins and E. Herrero; Springer], 829-833 (2007).
- Hoffman, K.A. and Biggin, A.J., A rapid multiple-sample approach to the determination of absolute paleointensity, *J. Geophys. Res.*, 110, B12108, doi: 10.1029/2005JB003646 (2005).
- Zhu, R.X., Hoffman, K.A., *et al.*, Geomagnetic paleointensity and direct age determination of the ISEA (M0r?) chron, *Earth Planet. Sci. Lett.*, 217, 285-295 (2004).
- Zhu, R.X., Potts, R., Xie, F., Hoffman, K.A., *et al.*, New evidence on the earliest human presence at high northern latitudes in northeast Asia, *Nature*, 431, 559-562 (2004).
- Zhu, R.X., Hoffman, K.A. *et al.*, Evidence for weak geomagnetic field intensity prior to the Cretaceous superchron, *Phys. Earth Planet. Int.*, 136, 187-199 (2003).
- Zhu, R., An, Z., Potts, R. and Hoffman, K.A., Magnetostratigraphic Dating of Early Humans in China, *Earth-Science Reviews*, 1275, 1-19 (2002).

## CV — K.A. Hoffman

- Singer, B. S., Relle, M. K., Hoffman, K. A., *et al.*, Ar/Ar ages from transitionally magnetized lavas on La Palma, Canary Islands, and the geomagnetic instability timescale, *J. Geophys. Res.*, 10.1029/2001JB001613 (2002).
- Shi, R., Zhu, R., Pan, Y., Hoffman, K.A., Paleointensity Study of Early Miocene Lavas From Pingzhuang, Inner Mongolia, China, *Geophys. Res. Lett.*, 29, 2026, doi:10.1029/2002GL015990 (2002).
- Prévot, M., Hoffman, K.A. *et al.*, The Mechanism of Self-reversal of Thermoremanence in Natural Ilmenohematite Crystals: New Experimental Data and Model, *Phys. Earth Planet. Inter.*, 126, 75-92 (2001).
- Baksi, A.K. and Hoffman, K.A., On the Age and Morphology of the Reunion Event, *Geophys. Res. Lett.*, 27, 2997-3000 (2000).
- Hoffman, K.A., Transitional Paleomagnetic Field Behavior: Preferred Paths or Patches, *Surveys in Geophysics*, 17, 207-211 (1996).
- Baksi, A.K., Hoffman, K.A. & McWilliams, M., Testing the Accuracy of the Geomagnetic Polarity Time-Scale (GPTS) at 2-5 Ma Utilizing  $^{40}\text{Ar}/^{39}\text{Ar}$  Incremental Heating Data on Whole Rock Basalts, *Earth Planet. Sci. Lett.*, 118, 135-144 (1993).
- Baksi, A.K., Hoffman, K.A. & E. Farrar, A New Calibration Point for the Late Miocene Section of the Geomagnetic Polarity Time Scale:  $^{40}\text{Ar}/^{39}\text{Ar}$  Dating of Lava Flows from Akaroa Volcano, N. Zealand, *Geophys. Res. Lett.*, 20, 667-670 (1993).
- Hoffman, K.A., Self-Reversal of Thermoremanent Magnetization in the Ilmenite-Hematite System: Order-Disorder, Symmetry, and Spin Alignment, *J. Geophys. Res.*, 97, 10,883-10,895 (1992).
- Bogue, S. W. and Hoffman, K. A., Morphology of Geomagnetic Reversals, in: *U. S. Report to the International Union of Geodesy and Geophysics, 1983-1986*, AGU, Washington, *Rev. Geophys. Space Phys.*, 25, 910-916 (1987).
- Hoffman, K. A., and Slade, S. B., Polarity Transition Records and the Acquisition of Remanence: A Cautionary Note, *Geophys. Res. Lett.*, 13, 483-486 (1986).
- Hoffman, K. A., Review of *Reversals of the Earth's Magnetic Field* by J. A. Jacobs, Adam Hilger Ltd., 1984, *Phys. Earth Planet. Int.*, 42, 197-198 (1986).
- Hoffman, K. A., Transitional Behavior of the Geomagnetic Field, Reporter Review, Hamburg IUGG, 1983, *J. Geomag. Geoelectr.*, 37, 139-146 (1985).
- Hoffman, K. A., Late Acquisition of "Primary" Remanence in Some Fresh Basalts: A Cause of Spurious Paleomagnetic Results, *Geophys. Res. Lett.*, 11, 681-684 (1984).
- Hoffman, K. A., A Method for the Display and Analysis of Transitional Paleomagnetic Data, *Jour. Geophys. Res.*, 89, 6285-6292 (1984).
- Hoffman, K. A., Geomagnetic Reversals and Excursions: Their Paleomagnetic Record and Implications for the Geodynamo, in: *U. S. Report to the International Union of Geodesy and Geophysics, 1979-1982*, AGU, Washington, *Rev. Geophys. Space Phys.*, 21, 614-620 (1983).
- Hoffman, K.A., Partial Self-reversal in Basalts containing mildly low temperature oxidized titanomagnetite, *Phys. Earth Planet. Int.*, 30, 357 [1982].
- Hoffman, K. A., Quantitative Description of the Geomagnetic Field During the Matuyama-Brunhes Polarity Transition, in: *Proceedings of Symposium 10 "Dynamics of Core and Mantle"*, XVII General Assembly IUGG, Canberra, Australia, *Phys. Earth Planet. Int.*, 24, pp. 229-235 (1981).

## CV — K.A. Hoffman

- Fuller, M., Williams, I. and Hoffman, K. A., Paleomagnetic Records of Geomagnetic Field Reversals and the Morphology of the Transitional Fields, in: *U. S. National Report to the International Union of Geodesy and Geophysics, 1975-1978*, AGU, Washington, *Rev. Geophys. Space Phys.*, 17, 179-203 (1979).
- Hoffman, K. A., Baker, J. R. and Banerjee, S. K., Combining Paleointensity Methods: A Dual-Valued Determination on Lunar Sample 10017, 135, in: *Proceedings of the Conference on the Origins of Planetary Magnetism*, Houston, *Phys. Earth Planet. Int.*, 20, pp. 317-323 (1979).
- Hoffman, K. A., Behavior of the Geodynamo During Reversal: A Phenomenological Model, *Earth Planet. Sci. Lett.*, 44, pp. 7-17 (1979)
- Hoffman, K. A., and Day, R., Separation of Multi-Component NRM: A General Method, *Earth Planet. Sci. Lett.*, 40, 433-438 (1978).
- Hoffman, K. A., and Banerjee, S. K., Magnetic “Zig-Zag” Behavior in Lunar Rocks, *Earth Planet. Sci. Lett.*, 25, pp. 331-337 (1975).
- Hoffman, K. A., Cation Diffusion Processes and Self-Reversal of Thermoremanent Magnetization in the Ilmenite-Hematite Solid Solution Series, *Geophys. J. R. Astro. Soc.*, 41, pp. 331-337 (1975).
- Banerjee, S. K., Hoffman, K. A., and Swits, G., Remanent Magnetization Directions in a Layered Boulder from the South Massif, *Geochim. Cosmochim. Acta*, 38, Suppl. 5, pp. 2873-2881 (1974).

## AMERICAN GEOPHYSICAL UNION QUADRENNIAL REPORTS [By Invitation]:

- *U. S. Report to the International Union of Geodesy and Geophysics*, 1983-1986
- *U. S. Report to the International Union of Geodesy and Geophysics*, 1979-1982
- *U. S. Report to the International Union of Geodesy and Geophysics*, 1975-1978

## BOOK ARTICLES:

- In: *Encyclopedia of Geomagnetism and Paleomagnetism*, ed: D. Gubbins and E. Herrero, Springer (2007)
- In: *Timescales of the Palomagnetic Field*, ed: J.E.T. Channell, D.V. Kent, W. Lowrie and J.G. Meert, American Geophysical Union Monograph 145 (2004).
- In: *Encyclopedia of Geophysics*, ed: D. E. James, Van Nostrand Reinhold (1989).
- In: *The Earth’s Core: Its Structure, Evolution and Magnetic Field* (ed: S. K. Runcorn, K. M. Creer and J. A. Jacobs), Royal Society, London, pp. 147-158 (1982).
- In: *Annual Report of the Research School of Earth Sciences, The Australian National University, Canberra, Australia*, pp. 87-88 (1980).
- In: *Lunar Rocks, The Apollo 15 Lunar Samples*, ed: JW Chamberlain and C Watkins (Houston), pp. 420-424 (1972).

---

**RESEARCH GRANTS**
**NATIONAL SCIENCE FOUNDATION:**

*Awarded grants for paleomagnetic research at the University of Wisconsin at Madison.*

- 2010 • Comprehensive Study of the Mid-Cenozoic Liverpool, Australia, Reversal: Construction of a Highly Detailed, Full-Vector Paleomagnetic Record From Southern Hemisphere Lavas, NSF #EAR-1015360, 3 yrs, \$269,437 (expiration 7/2015)
- 2007 • Paleomagnetic Study of Transitional Fields Recorded Throughout the Cenozoic by Australasian Lavas, NSF #EAR-0715181, 1 yr, \$113,000 (expiration date 7/2007).

*The following is a listing of awarded grants for paleomagnetic research at Cal Poly. Sole Principal Investigator: KAH. [RUI: Research in Undergraduate Institutions]*

- 2002 • RUI: Paleomagnetic Study of Transitional Fields Recorded Throughout the Cenozoic by Australasian Lavas, NSF #EAR-0230347, 4 yrs, \$310,000 (expiration date 06/2013).
- 1998 • RUI: Paleomagnetic Phase of a Collaborative Study to Spatially and Temporally Delineate the Matuyama-Brunhes Polarity Reversal as recorded in Tahitian Lava Flows, NSF #EAR-9805065, 3 yrs, \$170,000.
- 1996 • RUI: Detailed Paleomagnetic Study of the Matuyama-Brunhes Reversal from Lavas on Tahiti, French Polynesia, NSF #EAR-9627927, 2 yrs, \$85,000.
- 1994 • RUI: Detailed Paleomagnetic Study of the Matuyama-Brunhes Reversal from Lavas on Tahiti, French Polynesia, NSF #EAR-9418862, 1 yr, \$10,000.
- 1992 • RUI: Paleomagnetic Studies of Transitional Behavior Recorded in Pleistocene Lavas with Emphasis on Long-lived Field States, NSF #EAR-9205603, 3 yrs, \$200,000.
- 1989 • RUI: Determination of Absolute Paleointensity Using A Multi-Specimen Procedure, NSF grant #EAR-8916859, 2 years, \$110,000.
- 1987 • RUI: Paleomagnetic Studies of Transitional Field Behavior with Emphasis on the Comparison of Different Types of Recordings, NSF grant #EAR87-08524, 2 years, \$114,491.
- 1985 • RUI: Acquisition of a Superconducting Rock Magnetometer for High-Resolution Paleomagnetic Studies, NSF grant #EAR85-09007, 1 year, \$35,000.
- 1985 • RUI: Long-Term High-Resolution Paleomagnetic Field Behavior from Exposed Pleistocene Sediments of the Wanganui Basin, New Zealand, NSF grant #EAR84-17307, 2 years, \$110,000.
- 1982 • Transitional Paleomagnetic Field Behavior from Sites in Australia and New Zealand, NSF grant #EAR82-12766, 2 years, \$92,753.
- 1980 • Microcomputer System for Paleomagnetic Studies, NSF grant #TFI80-19685, \$7,674.
- 1980 • Transitional Paleomagnetic Field Behavior from Sites in Australia and New Zealand, NSF grant #EAR80-18791, 2 years, \$72,363.
- 1979 • High-Resolution Transitional Paleomagnetic Field Behavior in Lavas, NSF grant #EAR79-04841, \$28,800.

**INVITED PRESENTATIONS AT MEETINGS:**

## INTERNATIONAL:

- 2007 • PGL Meeting, Beijing, China
- 1999 • Royal Society of London Discussion Meeting: Geomagnetic Polarity Reversals and Long Term Secular Variation, London, UK
- 1999 • International Union of Geophysics and Geodesy, Birmingham, UK
- 1994 • Geomagnetic Reversals: The Transition Fields and Their Interpretation, Royal Astronomical Society, London, England.
  - Study of the Earth's Deep Interior [SEDI] Conference, Whistler, Canada.
- 1993 • International Association of Geomagnetism and Aeronomy [IAGA] General Assembly, Buenos Aires, Argentina.
- 1987 • XIX General Assembly of the International Union of Geophysics and Geodesy [IUGG], Vancouver, Canada.
- 1983 • XVIII General Assembly of the International Union of Geophysics and Geodesy [IUGG], Hamburg, West Germany.
- 1982 • Discussion Meeting on the Earth's Core: Its Structure, Evolution, and Magnetic Field, The Royal Society, London, England.
  - International Conference on Mathematical Geophysics, Chateau de Bonas,, France.
- 1979 • XVII General Assembly of the IUGG, Canberra, Australia.

## NATIONAL:

- 2007 • GP Session "Time-Averaged Field, Reversals, Secular Variation and Strength of the Earth's Magnetic Field, Fall AGU, San Francisco
- 2003 • Chapman Conference "Time-scales of the Geomagnetic Field" Gainesville, FL
- 2001 • Allan Cox Memorial Lecture, "Paleomagnetic Observations of Reversals the Search for Systematics" Fall AGU, San Francisco. (*webcast*)
- 1998 • Union Session: "The Geodynamo: Numerical Simulations, Laboratory Experiments and Geophysical Observations" Spring AGU, Boston.
- 1996 • Collaborative Study of the Earth's Deep Interior [CSEDI], Santa Fe, NM
  - Tribute to S.K. Runcorn, F.R.S., Fall AGU Meeting, San Francisco.
  - Very High Resolution Recording of the Geomagnetic Field, Meeting of the Institute of Rock Magnetism [IRM], Santa Fe.
- 1994 • 75th Anniversary Union Session, Spring AGU Meeting, Baltimore.
  - Tribute to John Verhoogen, Fall AGU Meeting, San Francisco.
- 1993 • Collaborative Studies of Earth's Deep Interior [CSEDI] Meeting, Santa Fe.
- 1992 • Effects of Chemical Change on Magnetization, Meeting of the Institute of Rock Magnetism [IRM], Santa Fe.

CV — K.A. Hoffman

- Union session on "Studies of the Earth's Deep Interior: Addressing Fundamental Problems," Fall AGU Meeting, San Francisco.
- 1990 • Study of the Earth's Deep Interior [SEDI] Symposium: Reversals, Secular Variation, and Dynamo Theory, Santa Fe.
- 1985 • Future of Geomagnetism and Paleomagnetism session, Fall AGU Meeting, San Francisco.

### **ADDITIONAL PRESENTATIONS:**

#### MEETINGS OF INTERNATIONAL ORGANIZATIONS

- 2007 Vienna, Austria [EGU] • 2007 Beijing, China [PGL] • 2003 Acquafredda di Maratea, Italy [EURESCO] • 2001 Nice, France [EGS] • 1998 Czech Republic [Castle Meeting] • 1998 Tours, France [SEDI] • 1998 Nice, France [EGS] • 1997 Uppsala, Sweden [IAGA] • 1995 Boulder [IUGG] • 1991 Vienna, Austria [IUGG] • 1989 Exeter, England [IAGA] • 1988 Czechoslovakia [Castle Meeting] • 1985 Prague, Czechoslovakia [IAGA] • 1981 Edinbough, Scotland [IAGA] • 1977 Seattle [IAGA] • 1973 Kyoto, Japan •

#### MEETINGS OF NATIONAL ORGANIZATIONS

- Many meetings of the American Geophysical Union since 1972

### **UNIVERSITY COLLOQUIA:**

#### INTERNATIONAL [since 1988]:

- 2007 University of Auckland, New Zealand • 2005 Geoscience Australia, Canberra • 2004 University of Montpellier, France • 2002 Institute of Geology and Geophysics, Beijing, China • 2000-01 ETH-Hönggerberg, Zürich, Switzerland ∞ University of Montpellier, France ∞ Chinese Academy of Sciences, Beijing, China ∞ 1997-98 University of Geneva, Switzerland ∞ ETH-Hönggerberg, Zürich, Switzerland ∞ University of Munich, Germany ∞ University of Paris, France • 1993-94 University of Toronto, Canada • 1990-91 University of Chile, Santiago • 1989-90 Soviet Union [Moscow ∞ Leningrad ∞ Borock Yaroslavskaya] at invitation of the USSR Academy of Sciences • 1988-89 Institut de Physique du Globe de Paris, France ∞ University of Rennes, France ∞ University of Strasbourg, France ∞ University of Montpellier, France ∞ CNRS, Gif-sur-Yvette, France ∞ ETH, Zurich, Switzerland

#### DOMESTIC [since 1987]:

- 2010 Yale University • 2007 University of Wisconsin-Madison • 2000 Louisiana State University • 1996-97 University of Utah ∞ Sonoma State University • 1995-96 Scripps Institute of Oceanography • 1992-93 University of Utah • 1991-92 University of Minnesota • 1990-91 Naval Postgraduate School • 1989-90 University of California, Berkeley • 1988-89 Cal State University, Humboldt ∞ Cal State University, San Francisco ∞ University of California, Santa Cruz • 1987-88 Scripps Institute of Oceanography ∞ Michigan Tech University ∞ University of Massachusetts ∞ University of Minnesota



---

**STUDENTS:**
**SENIOR PROJECT STUDENTS SUPPORTED THROUGH NATIONAL SCIENCE FOUNDATION GRANTS & SUBSEQUENT CAREER CHOICES:**

- Joseph Dierkhising [2112] M.S. program, Geological Sci, Univ. Nevada - Reno
- Graham Lasseter [2007] Technology MBA program, Cal Poly
- Kimberly Johnson [2007] Technology MBA program, Cal Poly
- Paul Dudley [2006] position in technology Industry
- Steven Clipperton [2006] Credential Program, Cal State Chico
- Lars Hansen [2005] PhD Program Geology, Univ. Minnesota
- David Pinck [2003] Graduate Program, presently in Beijing, China
- A. Battle [2001]: PhD program Physics, Univ. Washington
- A. Demogines [2000]: PhD program in Electro-Optics, Rochester Univ.
- B. Bose [1999]: PhD program Physics, Cal Tech / MIT
- M. Jock [1998]: position in industry
- D.J. Soukup [1996]: PhD, Geophysics, Univ. Washington
- J.S. Jensen [1995]: PhD, Physics, Cal Tech (2001)
- D.S. Burrow [1995]: MS program Material Science, Cal Poly
- M. Cardella [1993]: position in industry
- R. Howell [1992]: MBA program, Cal Poly
- S. Vincena (1991): PhD, Physics, UCLA
- V. Constantine (1989): position in industry
- D. Morse (1987): PhD, Geophysics, Univ. Washington
- S. Slade (1986): PhD, Physics, UC San Diego
- T. Arno (1985): Graduate program Physics, UC San Diego
- P. Martin (1985): PhD, Physics, MIT
- A. Lyon (1984): position in industry
- K. Norville (1983): PhD, Geophysics, Univ. Washington
- L. Fisher (1982): PhD, Exploration Geophysics, Univ. Texas
- T. Moon (1980): PhD, Geophysics, Univ. Washington

**FIELDWORK WITH ASSISTANCE BY CAL POLY STUDENTS:**

- 2004-2011 Australia (4) Lars Hansen, Kim Johnson, Kevin Flournoy, Graham Lassiter, Joseph Dierkhising, Nate Padilla
- 2001 Canary Islands (1) Adrienne Battle
- 1991-2000 Tahiti / Moorea (7) Rich Howell, Steffen Jensen, Darin Soukup, Michael Jock, Brock Bose, Alex Demogenes
- 1992 Reunion Island (1) Michael Cardella
- 1986-90 Molokai, HI (4) David Morse (3), Charles Callahan
- 1982-86 New Zealand (3) Kent Norville, Steven Slade, Charles Callahan
- 1979, 1984 Santa Rosa Range (2) Brian Hackney, Tom Moon, Steve Slade

CV — K.A. Hoffman

STUDENT COAUTHORS [PUBLISHED ARTICLES AND/OR ABSTRACTS]:

- Joe Dierkhising • Lars Hansen • Kimberly Johnson • Steve Clipperton • Adrienne Battle
- Darin Soukup • Steffen Jensen • Michael Cardella [2] • David Morse [4] • Verna Constantine [2] • Steven Slade • Tom Arno