

Rosamond J. Kinzler

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1. Professional Preparation

S.B. Massachusetts Institute of Technology, Cambridge, Massachusetts 1984
S.M. Massachusetts Institute of Technology, Cambridge, Massachusetts 1985
Ph.D. Massachusetts Institute of Technology, Cambridge, Massachusetts 1991

2. Academic and Professional Appointments

2010-Present Senior Director of Education, Science Education, Dr., NCSLET, AMNH
2008-2010 Sr. Director, NCSLET, AMNH
2002-2008 Director, NCSLET, AMNH
2001-2002 Acting Director, NCSLET, AMNH
2000-2001 Senior Scientist, NCSLET, AMNH
1997-2000 Content Specialist, NCSLET, AMNH
Co-curator, Hall of Planet Earth, American Museum of Natural History
1993-1997 Researcher, AMNH
1991-1995 Researcher, Lamont Doherty Earth Observatory, Columbia University
1982-1991 Researcher, MIT
1984-1990 Instructor, MIT
1988-1991 Undergraduate Research Supervisor, MIT

3. Significant Publications

Gano, S., R. Kinzler and V. Trakinsky, *Science Bulletins: Cross-media Publishing of Current Science Stories*, in J. Trant and D. Bearman (eds.). *Museums and the Web 2005: Proceedings*, Toronto: Archives & Museum Informatics, published March 31, 2005 at <<http://www.archimuse.com/mw2005/papers/gano/gano.html>><http://www.archimuse.com/mw2005/papers/gano/gano.html>

Gano, S., Kinzler, R., Koning, D., Philippo, M. and Tarr., M. (2004). A Scalable, Modular Framework for Publishing Museum Educational Materials. In D. Bearman & J. Trant (Eds.) *Museums and the Web 2004, Selected papers from an international conference*. Toronto: Archives & Museum Informatics. 113-122. also available <<http://www.archimuse.com/mw2004/papers/gano/gano.html>><http://www.archimuse.com/mw2004/papers/gano/gano.html>

Steiner, R., Macdonald, M, Kinzler, R. and Gordon, M., *Online Science Professional Development at the American Museum of Natural History*, contributed paper to “Evolving a Research Agenda for Online Professional Development”, Harvard University Press, accepted for publication in 2006.

Steiner, R., Kinzler, R., Macdonald, M, and Gordon, M., *Seminars on Science: A Model for the Leveraging of Museum Resources*, Association of Internet Researchers, October 17, 2003 (<http://www.aoir.org>)

R.J. Kinzler and T.L. Grove (1992) Primary magmas of mid-ocean ridge basalts 1. Experiments and Methods. *J. of Geophys. Res.*, 97, 6885-6906.

R.J. Kinzler and T.L. Grove (1992) Primary magmas of mid-ocean ridge basalts 2. Applications. *J. of Geophys. Res.*, 97, 6907-6926.

R.J. Kinzler (1995) Sea Floor Magmatism (a Review), Invited Submission to Reviews of Geophysics, U.S. National Report to International Union of Geodesy and Geophysics 1991 - 1994.

R.J. Kinzler (1997) Melting of Mantle Peridotite at Pressures approaching the Spinel to Garnet Transition: Application to the Generation of Mid-Ocean Ridge Basalts, *J. Geophys. Res.* 102:853-874.

R.J. Kinzler, and T. L. Grove, (1999) Origin of Depleted Cratonic Harzburgite by Deep Fractional Melt Extraction and Shallow Olivine Cumulate Infusion, In: *The J. B. Dawson volume; proceedings of the VIIth international kimberlite conference; Volume 1.* Gurney-J-J (editor); Gurney-J-L (editor); Pascoe-M-D (editor); Richardson-S-H (editor), *Proceedings of the International Kimberlite Conference.* 7, Vol. 1; Pages 437-443. 1999.

R.J. Kinzler, J.M. Donnelly-Nolan and T.L. Grove (1999) Late Holocene mafic hydrous magmatism at Medicine Lake Volcano, N. California: The role of H₂O in granite production. *Contrib. Mineral. Petrol.* 138; 1, Pages 1-16.

4. Synergistic Activities

Co-curated the Gottesman Hall of Planet Earth (9,000 square foot, permanent exhibition about Earth processes – opened in 1999). The project involved extensive collaboration with exhibition designers, writers, media producers and over 100 scientists across the USA and from several other countries and was recognized by an Excellence in Geophysical Education Award in 2002 from the American Geophysical Union.

All projects created by the National Center for Science Literacy, Education and Technology involve significant collaboration between scientists, educators, and educational technologists, developers, designers, writers, and producers. Since assuming Center leadership in 2001, Dr. Kinzler has led major award winning projects--on the web, in HD-media, and in print--that engage diverse audiences in exploring current science, from children, families, and the general public at home and science educators seeking graduate accredited courses online to visitors at informal learning centers across the country. These programs have garnered awards from a diverse group that includes the Association of Educational Publishers, the Software & Information Industry Association, American Association of Museums, Museums and the Web, HDfest, and Technology & Learning Magazine. Selection of ongoing projects includes: *OLOGY* — ology.amnh.org: The Museum's science-rich Web site for kids; *Seminars on Science* — learn.amnh.org: Online graduate-accredited science courses for K-12 science educators; *Science Bulletins* — sciencebulletins.amnh.org: Current science in astrophysics, Earth science, and biodiversity; *Resources for Learning* — amnh.org/resources: Online portal to standards-based science teaching and learning materials; *Young Naturalist Awards* — amnh.org/youngnaturalistawards: An essay competition that engages young people from 7th-12th grade in research projects in the natural sciences

5. Collaborators & Other Affiliations

Thesis Advisor: Tim Grove, MIT; Bill Bryan, WHOI; **Thesis and Postdoctoral Advisees:** None; **Educational Collaborators:** Myles Gordon, AMNH; Maritza MacDonald, AMNH; Ellen Wahl, AMNH; Scholastic Science Classroom Magazine Division (Patty Janes and colleagues), Scholastic Internet Division (Tami Mount and colleagues), MacMillan-McGraw Hill (Lorraine Phelan, Cathy Walsh and their colleagues); Heliophysics Division at NASA; Ed Mathez, AMNH; Jim Webster, AMNH; Mike Shara, AMNH, Ben Oppenheimer, AMNH, Chris Raxworthy, AMNH, Eleanor Sterling, AMNH, and many other scientists at the Museum. **Scientific Collaborators:** Julie Donnelly-Nolan, USGS; Tim Grove, MIT; Charlie Langmuir, LDEO; Ed Mathez, AMNH; Marc Spiegelman, LDEO; Jim Webster, AMNH