

Ari Daniel Shapiro

aridanielshapiro@gmail.com

www.aridanielshapiro.com

REPORTING & PRODUCTION:

Public radio reporting and production, 10/07 – present

- National programs: NPR's Morning Edition, All Things Considered and Weekend Edition Sunday; Radiolab; PRI's The World, Living on Earth and Studio 360; APM's Marketplace; the New York Times
- Local stations: Hawaii Public Radio, KQED (Northern CA), WBUR (Boston), WCAI (Cape and Islands)

Podcasting, 1/09 – present

- **One Species at a Time**, the story of Earth's biodiversity; produced by Atlantic Public Media for the Encyclopedia of Life (education.eol.org/podcast)
- **Ocean Gazing**, a podcast that tracks the real-time swirl of creatures, chemicals and currents of our seas; produced for the Centers for Ocean Sciences Education Excellence; funded by NSF (www.oceangazing.org)

Multimedia, 5/08 – present (audio slideshows and videos)

- Produced stories for Brigham and Women's Hospital; Centers for Ocean Sciences Education Excellence; Columbia University's Lamont-Doherty Earth Observatory; Massachusetts General Hospital; Rutgers University; University of Hawai'i; Woods Hole Oceanographic Institution; AVODAH: The Jewish Service Corps; Parents Helping Parents; Smithsonian Museum of Art; Tablet Magazine

NOVA, a PBS-WGBH science education television program: *Intern*, Cambridge, MA; 9/99 – 12/99

- Conducted book, magazine, and telephone research; reviewed scripts, proposals, screenings, raw video

EDUCATION:

Massachusetts Institute of Technology (MIT) & Woods Hole Oceanographic Institution (WHOI),

Ph.D., Biological Oceanography: Cambridge & Woods Hole, MA; 9/03 – 6/08; NSF & NDSEG Fellowships

- Dissertation: "Orchestration: The movement and vocal behavior of free-ranging Norwegian killer whales"

University of St. Andrews, M. Phil., Animal Behaviour: St. Andrews, Scotland; 9/01 – 7/02; Fulbright Scholar

- Thesis: "Vocal learning in the grey seal: An experimental approach"

Boston College, B.S., Biology major, Mathematics minor: Chestnut Hill, MA; 9/97 – 5/01; *summa cum laude*

OTHER WORK AND RESEARCH EXPERIENCE:

Post-doctoral investigator, Woods Hole Oceanographic Institution, Woods Hole, MA; 6/08 – 12/08

- Analyzed movement responses of beaked whales to playback of sonar and killer whale calls

Legal advocate, Urban Justice Center, New York, NY; 9/02 – 8/03

- Engaged in welfare and housing advocacy for low income and homeless clients
- Participant in Avodah: The Jewish Service Corps

Undergraduate projects, Boston College

- Mote Marine Laboratory, Sarasota, FL, 1/01 – 8/01: Studied vocal development of dolphin yearlings
- Summer Student Fellow, Woods Hole, MA 5/00 – 9/00: Examined vocal exchanges of killer whales
- Concord, MA, 9/98 – 12/98: Studied dam and lodge repair in the Canadian beaver

WRITING EXPERIENCE & SELECTED PUBLICATIONS:

- International Institute for Sustainable Development: Writer for the Earth Negotiations Bulletin, 9/08 – present

- Working in teams to write summary bulletins of UN environmental summits and meetings

- **Shapiro, A.D.**, Tyack, P.L. & Seneff, S. 2011. Comparing call-based versus subunit-based methods for categorizing Norwegian killer whale, *Orcinus orca*, vocalizations. *Animal Behaviour*, 81: 377-386.

- **Shapiro, A.D.** 2010. Remotely piloted underwater glider crosses the Atlantic. *IEEE Spectrum Magazine*.

- **Shapiro, A.D.**, Tougaard, J., Jørgensen, P.B., Kyhn, L.A., Balle, J.D., Bernardez, C., Fjälling, A., Karlsen, J. & Wahlberg, M. 2009. Transmission loss patterns from acoustic harassment and deterrent devices do not always follow geometrical spreading predictions. *Marine Mammal Science*, 25: 53-67.

- **Shapiro, A.D.** 2009. Recognition of individuals within the social group: Signature vocalizations. In: Stefan M. Brudzynski, ed., *Handbook of Mammalian Vocalization*. Oxford: Academic Press, pp. 495-504.

- **Shapiro, A.D.** 2006. Preliminary evidence for signature vocalizations among free-ranging narwhals (*Monodon monoceros*). *Journal of the Acoustical Society of America*, 120: 1695-1705.

- **Shapiro, A.D.**, Slater, P.J.B. & Janik, V.M. 2004. Call usage learning in gray seals (*Halichoerus grypus*). *Journal of Comparative Psychology*, 118: 447-454.

SELECTED ORAL PRESENTATIONS:

- Bolman, J., Haymet, T. & **Shapiro, A.D.** 2011. Diversity in Ocean Sciences Empowering Innovation. 2011 *SACNAS (Society for Advancement of Chicanos and Native Americans in Science)*. San Jose, CA.
- McDonnell, J., **Shapiro A.D.** et al. 2009. Storytelling workshop. *COSEE National Network*. Hilton Head, SC.
- **Shapiro, A.D.**, Seneff, S. & Tyack, P.L. 2008. Phonemic segment characterization of Norwegian killer whale call types. *Acoustics '08*. Paris, France.
- **Shapiro, A.D.**, Similä, T., Miller, P.J.O., Solow, A.R. & Tyack, P.L. 2007. Individual prey capture behavior of carousel feeding Norwegian killer whales (*Orcinus orca*). *30th International Ethological Congress*. Halifax, Canada.

SELECTED ACTIVITIES:

Community Service

- *Volunteer tax preparer*, Roxbury Resource Center; winter 2010 and 2011
- *Basic computer skills instructor*, Margaret Fuller Neighborhood House; 2/09 – 12/10
 - Co-teaching a class focusing on word processing, email and Windows at a low income community center
- *Boston Public High School writing tutor*, Snowden High School; 2/07 – 5/09
- *Environmental enrichment outreach*, Fletcher-Maynard Academy elementary school; 9/04 – 5/06, 1/07 – 5/08
 - Co-created and co-taught science and environment enrichment curriculum to a third grade classroom.
- *Students for Global Sustainability*, MIT; Secretary, President; 9/03 – 5/07
 - Co-organized Eco Expo, a student sustainability exhibition; Designed sustainability guide for Cambridge

Acting & Performance

- *Enjoy*: Kato, Apollinaire Theater, Chelsea, MA; 2/11 – 4/11
- *Prometheus Bound*: Okeanos, MIT workshop, Cambridge, MA; 9/10 – 2/11
- *Present Simple*: Gideon, MIT workshop, Cambridge, MA; 8/09 – 12/09
- *The Cherry Orchard*: Fiers, MIT workshop, Cambridge, MA; 1/09 – 5/09
- *Ataraxia*: Old man, MIT Dramashop workshop, Cambridge, MA; 2/08 – 5/08
- *The Municipal Abattoir*: Tennessee Williams festival, Provincetown, MA; 8/07 – 9/07
- *Midsummer Night's Dream*: Oberon, Harvard-Radcliffe Summer Theater, Cambridge, MA; 5/07 – 7/07
- *Macbeth*: Macbeth; MIT Shakespeare Ensemble, Cambridge, MA; 9/05 – 11/05

SELECTED AWARDS & FELLOWSHIPS:

- Science Literacy Project; Berkeley, CA; April 2010
- National Defense Science and Engineering Graduate Fellowship, 2004-2007
- National Science Foundation Graduate Research Fellowship, 2003-2004
- US-UK Fulbright Graduate Student Scholarship, 2001-2002
- Presidential Scholarship, Boston College, 1997-2001
- Nominated for Phi Beta Kappa as a Junior and Inducted May 2001
- Most Contagious Smile in the 5th Grade, 1990

SELECTED TEACHING & INSTRUCTION EXPERIENCE:

- **Verhalende Journalistiek**, Masterclass and workshop instructor, Amsterdam and Utrecht, Netherlands; 4/12
 - Discussed how to communicate complexity and tell effective stories using radio and multimedia
- **Emerson College**: Broadcast journalism, *Professor*, Boston, MA; 1/11 – 5/11
 - Taught undergraduates how to write, edit, record and produce radio news and features
- **Great Northeast Radio Rally**, *Presenter*, Portland, ME; 1/11
 - Led a workshop on science radio reporting at this conference for audio producers
- **Marine Biological Laboratory**: Radio production, *Course presenter*, Woods Hole, MA; Fall 2010, Fall 2011
 - Co-taught a short class on how to use radio to tell stories about science
- **MIT**: Animal communication/behavior discussion group, *Undergrad research supervisor*, Cambridge, MA; 1/07 – 9/07
 - Supervised 11 MIT and Wellesley undergraduate students in data processing tasks. Facilitated weekly or bi-weekly group meetings to discuss scientific papers on animal behavior and communication and vocal syntax.
- **MIT**: Ecology II: Engineering for Sustainability, *Teaching Assistant*, Cambridge, MA; 1/07 – 5/07
 - Led discussion sections and created and graded problem sets and exams

LANGUAGES:

- Fluent in Spanish and conversant in French. Learning Arabic.