

AMY MAXMEN

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www.amymaxmen.com
Berkeley, California

EDUCATION

Harvard University

Ph.D., Organismic and Evolutionary Biology

Cambridge, MA

2006

University of California, Berkeley

B.A., Integrative Biology; English minor, 20th century literature

Berkeley, CA

2000

MEDIA EXPERIENCE AND SELECTED ARTICLES

Nature, Senior Reporter

2017-present

Freelance Journalist

2009-present

Selected stories

- *Busting the billion-dollar myth: A non-profit develops drugs for less.* **Nature**. Aug 2016.
- *The Genesis Engine: On the DNA editing tool, Crispr.* **Wired**. Aug 2015.
- *Fetal tissue probe scares scientists.* **Nature Biotechnology**. April 2016.
- *The Cambrian explosion of animal life whimpers.* **Nautilus**. April 2016.
- *Anti-vaccination Movement Strikes Bible Belt States.* **Newsweek**. June 2014.
- *Go home evolution, you're drunk.* **Nautilus**. January 2014
- *Buoyed by design: The future of antidepressants.* **Psychology Today**. November 2013.
- *Evolutionary Enigmas.* **Science News**. May 2013.
- *Trade deal to curb generic-drug use.* **Nature**. Sept. 2012.
- *The Vitamin D-lemma.* **Nature**. July 2011.
- *Evolution: A can of worms.* **Nature**. Feb. 2011.

Reported in Africa

- *Sudan sanctions isolate science and deprive healthcare* (reported in Sudan). **Foreign Policy**. Jan 2016.
- *Nurses were sidelined in the \$3.3bn Ebola response* (reported in Sierra Leone). **Newsweek**. May 2015.
- *Cultures evolved in the fight against Ebola* (reported in Sierra Leone). **National Geographic**. Jan. 2015.
- *Clinical trials with blood from Ebola survivors* (reported in Sierra Leone). **The Economist**. Dec. 2015.
- *Digging through the world's oldest graveyard* (reported in Ethiopia). **Nautilus**. Sept. 2014.
- *Can we rely on the private sector to halt malaria in Africa* (reported in Tanzania). **Newsweek**. Sept. 2014.
- *Malaria Prevention, With Both Reward and Risk* (reported in Mali). **New York Times.com**. June 2014.
- *Race against resistance* (reported in Mali/Senegal). **Nature**. November 13, 2013
- *Death at the Doorstep* (reported in Uganda). **Nature**. April 2012.

Books

- *Digging through the world's oldest graveyard* selected for *The Best American Science and Nature Writing 2015*
- *Ebola's unpaid heroes*. E-Book published by Newsweek. July 2015

Nautilus, Senior Editor

2013- 2014

Journal of Experimental Medicine, Science Writer, Podcaster, Blogger

2008- 2010

Science News, Fact-checker / Science Writer

2007-2008

St. Louis Post-Dispatch, AAAS Mass Media Science & Engineering Fellow

2007

AWARDS AND GRANTS

National Association of Science Writers' Science in Society Award for Journalism (2016); **Becker Award for Science Writing in Medicine** (2016); **Pulitzer Center for Crisis Reporting** (travel fellowships Mali 2013; Ethiopia 2014; Sierra Leone 2014, 2015; South Africa 2016); **Knight Science Journalism Fellowship for Medical Boot Camp** (2011); **AAAS Mass Media Fellowship** (2007).

AMY MAXMEN

PUBLIC SPEAKING AND TEACHING EXPERIENCE

Multimedia speaker. Lectures students and the lay public on science journalism, HIV, Ebola, malaria and international aid.

Teacher. Instructed undergraduate laboratory and discussion sections for undergraduates in various majors at Harvard University between 2002-2005. Courses: Genetics, Animal Behavior, and Marine Biology.

SKILLS

Photography and video: Photos and short videos to accompany stories, as in *Race against resistance* for Nature (<http://www.flickr.com/photos/29710292@N08/sets/>)

Office, video and audio software: Microsoft Word and Excel; WordPress; Adobe Dreamweaver, Illustrator, Photoshop, Lightroom, Bridge, Premiere, Powerpoint; GarageBand;

Research software: Sequence analysis and phylogenetic analysis with PAUP, Sequencher, MacVector, BLAST

Field and Laboratory expertise: Scuba diving (PADI certified for cavern, nitrox, open water diving); Molecular (polymerase chain reaction, sequencing, *in situ* hybridization, immunohistochemistry, and basic recombinant techniques); Microscopy (brightfield (DIC), confocal, and scanning electron microscopy).

PUBLICATIONS: RESEARCH MANUSCRIPTS

Maxmen, A., W.E. Browne, M.Q. Martindale, G. Giribet (2005) *Neuroanatomy of sea spiders implies an appendicular origin of the protocerebral segment.* **Nature** 437: 1144-1148.

Maxmen, A. (2013) *Sea spider Development: How the encysting Anoplodactylus eroticus matures from a buoyant nymph to a grounded adult.* **ArXiv**:1301.0960.

Maxmen, Amy (2008) *A sea spider's contribution to T.H. Morgan's (1866-1945) development.* **Journal of Experimental Zoology B** 15: 203-13.

Arango, C.P. and **A. Maxmen** (2006) *Description of female Anoplodactylus eroticus Stock (Arthropoda, Pycnogonida) and proboscis morphology in the 'californicus-digitatus' complex.* **Zootaxa** 1311: 51-64.

Rosengaus, R.B., J.F.A. Traniello, M.L. Lefebvre, and **A.B. Maxmen** (2004) *Fungistatic activity of the sternal gland secretion of the dampwood termite, Zootermopsis angusticollis.* **Insectes Sociaux** 51(3) 259-264.

Maxmen, A., B.F. King, E. B. Cutler, and G. Giribet (2003) *Evolutionary relationships within the protostome phylum Sipuncula: a molecular analysis of ribosomal genes and histone H3 sequence data.* **Molecular Phylogenetics and Evolution** 27: 489-503.

Montllor C.B, **A. Maxmen**, A.H. Purcell (2002) *Facultative bacterial endosymbionts benefit pea aphids Acyrthosiphon pisum under heat stress.* **Ecological Entomology** 27(2) 189-195.

Maxmen, A. C.B. Montllor, and A.H. Purcell (2000) *Resistance to the deleterious effects of heat extremes: The possible benefits of two facultative endosymbionts in the pea aphid, Acyrthosiphon pisum.* **The Berkeley Scientific** Fall 2000.

Rosengaus, R.B., **A.B. Maxmen**, L.E. Coates, J.F. Traniello (1998) *Disease Resistance: A benefit of sociality in dampwood termites Zootermopsis angusticollis.* **Behavioral Ecology and Sociobiology** 44: 125-134.