

New Titles

Source: BioScience, 62(10) : 927

Published By: American Institute of Biological Sciences

URL: <https://doi.org/10.1525/bio.2012.62.10.15>

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

do other animal communication systems resemble human phonology?

If we gain nothing from *Phonological Architecture* other than the motivation to work on a better understanding of the relation between human syntax and human phonology and an understanding of what is viewed as common and what is species specific across animal vocal communication systems, Samuels should be very happy. Additional technical points are made in the book that linguists should pay attention to, and specific claims are stated about possible computations in phonology and about the relationship between variation and language change. As with the rest of the book, these topics are presented in a clear and decisive manner, which allows them to be evaluated and argued by specialists in the field.

More credit will be given to Samuels's work if scientists heed her call to be more collaborative and cross-disciplinary in the study of human language. If we interpret *biolinguistics* as a research program that is dedicated to understanding the relationship between the genotypes and phenotypes responsible for explaining human language, the benefits of collaborations among biologists, linguists, psychologists, cognitive scientists, and zoologists are clear. Each scientific field provides a unique perspective of the content within this expansive definition. It is the message of *Phonological Architecture* that only with this big-tent view of biolinguistics will phonology research be a fruitful endeavor.

References cited

- Chomsky N. 2005. Three factors in language design. *Linguistic Inquiry* 36: 1–22.
- Heinz J, Idsardi W. 2011. Sentence and word complexity. *Science* 333: 295–297.
- Lenneberg E. 1964. The capacity for language acquisition. Pages 579–603 in Fodor JA, Katz JJ, eds. *The Structure of Language: Readings in the Philosophy of Language*. Prentice Hall.
- Zipf GK. 1935. *The Psycho-Biology of Language: An Introduction to Dynamic Philology*. Houghton Mifflin.

ERIC RAIMY

Eric Raimy (raimy@wisc.edu) is an associate professor of English language and linguistics at the University of Wisconsin–Madison.

How to Contact AIBS

BioScience

Advertising, print and online:
adsales@ucpressjournals.com

Classified advertising:
jwilliams@aibs.org
703-674-2500 x. 209

Online:
www.aibs.org/bioscienceonline

Permissions:
www.ucpressjournals.com/
reprintinfo.asp

Publisher:
rogrady@aibs.org
703-674-2500 x. 258

Submission inquiries:
tbeardsley@aibs.org
703-674-2500 x. 326

Subscriptions: Individual
admin@aibs.org
703-790-1745

Subscriptions: Institutional
customerservice@
ucpressjournals.com
510-643-7154

AIBS

ActionBioscience.org:
tbeardsley@aibs.org
703-674-2500 x. 326

Education Office:
smusante@aibs.org
703-674-2500 x. 311

Executive Director: rogrady@aibs.org
703-674-2500 x. 258

Meetings and Conference Services:
sburk@aibs.org
703-790-1745

Membership Records: admin@aibs.org
703-790-1745

Membership and Community
Programs: spotter@aibs.org
941-923-6320

Public Policy Office: rgropp@aibs.org
202-628-1500 x. 250

Scientific Peer-Review Services:
sglisson@aibs.org
703-674-2500 x. 202

Web/IT Services:
jwagener@aibs.org
703-674-2500 x. 107

NEW TITLES

Adaptive Collaborative Approaches in Natural Resource Governance: Rethinking Participation, Learning, and Innovation. Hemant Ojha, Andy Hall, and Rasheed Sulaiman V, eds. Taylor and Francis (Routledge), 2012. 334 pp., illus. \$59.95 (ISBN 9780415699105 paper).

Air Plants: Epiphytes and Aerial Gardens. David H. Benzing. Cornell University Press, 2012. 248 pp., illus. \$39.95 (ISBN 9780801450433 cloth).

Brain Bugs: How the Brain's Flaws Shape Our Lives. Dean Buonomano. W. W. Norton, 2012. 320 pp., illus. \$16.95 (ISBN 9780393342222 paper).

The Carbon Crunch: How We're Getting Climate Change Wrong—and How to Fix It. Dieter Helm. Yale University Press, 2012. 304 pp., illus. \$35.00 (ISBN 9780300186598 cloth).

A Caribbean Forest Tapestry: The Multidimensional Nature of Disturbance and Response. Nicholas Brokaw, Todd A. Crowl, Ariel E. Lugo, William H. McDowell, Frederick N. Scatena, Robert B. Waide, and Michael R. Willig, eds. Oxford University Press, 2012. 496 pp., illus. \$74.99 (ISBN 9780195334692 cloth).

Data Production and Analysis in Population Genomics: Methods and Protocols. Francois Pompanon and Aurélie Bonin, eds. Springer (Humana Press), 2012. 337 pp., illus. \$119.00 (ISBN 9781617798696 cloth).

Dreamland: Adventures in the Strange Science of Sleep. David K. Randall. W. W. Norton, 2012. 290 pp. \$29.95 (ISBN 9780393080209 cloth).

Energy: What Everyone Needs to Know. Jose Goldemberg. Oxford University Press, 2012. 192 pp.,

doi:10.1525/bio.2012.62.10.15

illus. \$16.95 (ISBN 9780199812929 paper).

Environmental Philosophy: From Theory to Practice. Sahotra Sarkar. Wiley-Blackwell, 2012. 238 pp., illus. \$34.95 (ISBN 9780470671825 paper).

Evolution: Making Sense of Life. Carl Zimmer and Douglas J. Emlen. Roberts and Company, 2012. 720 pp., illus. \$80.00 (ISBN 9781936221363 paper).

Global Environmental Governance Reconsidered. Frank Biermann and Philipp Pattberg, eds. MIT Press, 2012. 320 pp., illus. \$25.00 (ISBN 9780262517706 paper).

Green Universe: A Microscopic Voyage into the Plant Cell. Stephen Blackmore. Royal Botanic Gardens, Edinburgh (Papadakis), 2012. 256 pp., illus. £35.00 (ISBN 9781906506216 cloth).

Guide to Texas Grasses. Robert B. Shaw. Texas A&M University Press, 2012. 1096 pp., illus. \$45.00 (ISBN 9781603441865 paper).

Lake Effect: Tales of Large Lakes, Arctic Winds, and Recurrent Snows. Mark Monmonier. Syracuse University Press, 2012. 272 pp., illus. \$24.95 (ISBN 9780815610045 cloth).

New Directions in Conservation Medicine: Applied Cases of Ecological Health. A. Alonso Aguirre, Richard S. Ostfeld, and Peter Daszak, eds. Oxford University Press, 2012. 672 pp., illus. \$89.95 (ISBN 9780199731473 cloth).

Observation and Ecology: Broadening the Scope of Science to Understand a Complex World. Rafe Sagarin and Aníbal Pauchard. Island Press, 2012. 232 pp., illus. \$30.00 (ISBN 9781597268264 paper).

Peril in the Ponds: Deformed Frogs, Politics, and a Biologist's Quest. Judy Helgen. University of Massachusetts Press, 2012. 272 pp. \$24.95 (ISBN 9781558499461 paper).

Physiological Adaptations for Breeding in Birds. Tony D. Williams. Princeton University Press, 2012. 392 pp.,

illus. \$69.50 (ISBN 9780691139821 cloth).

The Puffin. Mike P. Harris and Sarah Wanless. Yale University Press, 2012. 256 pp., illus. \$80.00 (ISBN 9780300186505 cloth).

Resilience Practice: Building Capacity to Absorb Disturbance and Maintain Function. Brian Walker and David Salt. Island Press, 2012. 240 pp., illus. \$27.50 (ISBN 9781597268011 paper).

Sirenian Conservation: Issues and Strategies in Developing Countries. Ellen M. Hines, John E. Reynolds III, Lemnuel Aragones, Antonio A. Mignucci-Giannoni, and Miriam Marmontel, eds. University Press of Florida, 2012. 348 pp., illus. \$100.00 (ISBN 9780813037615 cloth).

The Urban Transformation: Health, Shelter, and Climate Change. Elliott Sclar, Nicole Volavka-Close, and Peter Brown, eds. Taylor and Francis (Routledge), 2012. 238 pp., illus. \$40.00 (ISBN 9781849712163 paper).