

## New Titles

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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.

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