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Source: The Auk, 135(1)

Published By: American Ornithological Society

URL: <https://doi.org/10.1642/AUK-2018.135.1.cover>

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- Physiology and biochemistry
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# The Auk

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# Ornithological Advances

Volume 135 Number 1 January 2018



Editor-in-Chief: Mark E. Hauber

The Auk: Ornithological Advances

Volume 135, Number 1, Pages 1–169

January 2018



# The Auk Ornithological Advances

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**On the Cover:** Male Gambel's Quail (*Callipepla gambelii*) photographed at Joshua Tree National Park, California, April 8, 2010. Photographer: Bruce Lyon

**Journal Information:** *The Auk: Ornithological Advances* publishes original research and scholarship advancing the fundamental scientific knowledge of bird species and broad biological concepts (e.g., ecology, evolution, behavior, physiology, genetics) through studies of bird species. Appropriate topics include documentation, analysis, and interpretation of laboratory and field studies; theoretical or methodological developments; and reviews of information or ideas. Authors are encouraged to write papers from the perspective of general concepts and theories and to consider the relevance of their findings to taxa in addition to birds. Contributions are welcomed from around the world but must be written in English. *The Auk* was published from 1884 to 2016 by the American Ornithologists' Union (AOU), and as of 2016 is published by the American Ornithological Society (a merger of the AOU and the Cooper Ornithological Society). *The Auk* became *The Auk: Ornithological Advances* in 2014. *The articles in this journal reflect the research and opinions of the individual authors. As such, the articles do not necessarily reflect the opinions of the editors or any official policy of the American Ornithological Society.*

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**Abstracting and indexing:** Articles appearing in *The Auk: Ornithological Advances* are abstracted and indexed in the databases listed online at [www.AmericanOrnithologyPubs.org](http://www.AmericanOrnithologyPubs.org).

*The Auk: Ornithological Advances* is published weekly online (ISSN 1938-4254) by the American Ornithological Society, 1400 S Lake Shore Drive, Chicago, IL 60605. Print copies (ISSN 0004-8030) are available from Sheridan Press at <http://aos.sheridan.com>



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