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Compiled by Willetta Lueshen

This index is primarily one to new information. Previously published information referred to in this volume has not been indexed unless extensive comparisons or reinterpretations are involved. For some species, especially ones not in the A. O. U. Checklist area, scientific names only have been entered, and in some instances entries under scientific names are more extensive than those under vernacular names. New generic, specific, and subspecific names are printed in **boldface** type.

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- Wolford, James W., and David A. Boag, Food habits of Black-crowned Night Herons in Southern Alberta, 435-437
- Wood, Merrill, A bird-bander's guide to determination of age and sex of selected species (rev.), 195-197
- Wood, Robert C., Population dynamics of breeding South Polar Skuas of unknown age, 805-814
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- Zimmerman, John L., The territory and its density dependent effect in *Spiza americana*, 591-612