

The time of day bias could be controlled by either reporting separate estimates for different times of the day, or, when the difference is known to be a result of missing birds that are continually present (rather than birds that feed outside the study plot during part of the day), by computing the population from only those trips taken at the optimum time of day. This latter procedure seems preferable. In the present study, it increased the accuracy by 10 percent in one plot and 19 percent in the other. Unfortunately, there does not seem to be any way to apply a mathematical correction to the other biases.

A minimum of 6 trips was quite ample to record nearly all of the *species* that were resident in the study plot, but additional trips continued to detect irregular visitors and wide-ranging species such as hawks and owls.

Although the *total* population estimate was not improved appreciably after the 6th trip, mean population densities for all but the commonest species still had not stabilized after 8 trips. Thus, to obtain valid population estimates on an individual *species* basis, at least 8 or 10 trips would be required.

It is recommended that similar studies be conducted in other habitats, in both large and small plots, and in other parts of the continent, preferably based on 10 or 12 trips rather than 8 trips per plot. On the basis of such studies, sound recommendations can be made for improving the Winter Bird-Population Study instructions.

Going Places

Following is a partial listing of birding and wildlife tours scheduled for the months of August–November, 1972. It has been compiled from information supplied by tour sponsors, and *American Birds* is not accountable for any subsequent changes in plans or prices. Prices are usually the base prices quoted; there are usually minor additional costs. Tour sponsors are listed by key initials; full names and addresses, to which all inquiries should be addressed, will be found at the end of the listings. Tours scheduled for December–February will be published in the October issue of *American Birds*. Deadline for information is September 1, 1972.

AUGUST

- 1 and alternate days through Oct. 20, Nov. 9, 23.—East Africa Wing Safaris. 21 days. Birds, wildlife. Leaders, local experts. \$1680 plus air fare. LT.
- 1—East Africa. 21 days. Birds, wildlife. Leader not announced. \$1620 incl. air fare from Toronto. FON.
- 2—Southeastern Arizona. 10 days. Birds, natural history. Leaders, Chris Leahy and Chuck Roth. \$445 from Tucson. MAS.

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CANADIAN ROCKIES. OLYMPIC PENINSULA. 15 DAYS. AUG. 19 — SEPT. 3. Mt. Rainier, Lake Louise, Jasper, Vancouver, Puget Sound, and the fabulous Olympic Peninsula. \$800.

AUSTRALIA. 5 WEEKS OF FANTASTIC BIRDING. SEPT. 23 — OCT. 28. Brisbane, Darwin, Arnhemland, Katherine and the interior. Perth, Kerri Forests. South Coast. Alice Springs, Ayers Rock. Great Barrier Reef. Sydney, and more. \$2650 from San Francisco.

NEW ZEALAND. 3 WEEKS EXTENSION OF ABOVE TOUR. OCT. 28 — NOV. 18. Both islands, best birding areas, spectacular scenery. \$1695.

CHRISTMAS IN MEXICO. 11 DAYS. DEC. 23 — JAN. 2. Central highlands, Mexico City. Popo, Taxco, Patzcuaro, Urapan, Guadalajara. \$650.

- 6—East Africa. 21 days. Birds, wildlife. Leader, Jane Church, local experts. Price not announced. CN.
- 6—Guyana. 10 days. Birds. Leader, N.O. Poonai. \$995 from Miami. BB.
- 7, 21, Sept. 4, 11, 18, 25, Oct. 9, 16, 23, Nov. 6, 27—East Africa Value Safari. 21 days. Birds, wildlife. Leaders, local experts. \$1200 plus air fare. LT.
- 11—Killarney Park, Ont. Artists' canoe trip. 9 days. Nature, arts. Leaders, Robert Bateman, Don Hurst. \$95. FON.
- 19—Canadian Rockies, Pacific Northwest. 16 days. Birds, wildlife. Leader, Annette C. Koon. \$800. RR.
- 26—Indonesia (Java, Borneo, Malaysia). 21 days. Birds. Leader, Orville Crowder, local experts. Price not announced. CN.
- 27—Colombia. 10 days. Birds. Leader, Kjell von Sneider. \$835 from Miami. BB.
- 16—Western, Northern, and Central Australia. 21 days. Birds. Leaders, Len Robinson and Dr. Donald H. Messersmith. Price not announced. CN.
- 17—Amazon River Cruise. 23 days. Birds, wildlife, tropical ecology. Leaders, Lars-Eric Lindblad, Dr. Lyall Watson. \$1700 plus air fare. LT.
- 23—Australia. 36 days. Birds, nature. Leader, Annette C. Koon, local experts. \$2650 from San Francisco. RR.
- 23—Himalayas. Bhutan, Sikkim, Nepal to Kashmir. 21 days. Birds. Leader, Dr. Robert Fleming, Jr. Price not announced. CN.
- 23—Bermuda. 8 days. Birds, nature. Leaders, James Baird, David Wingate. \$535 from Boston. MAS.

SEPTEMBER

- 2—Eastern Mexico. 9 days. Birds. Leader, Ira Joel Abramson. \$525 from Miami. BB.
- 5—Ethiopia and Kenya. 30 days. Birds, wildlife. Leaders, John Williams, Russell Mason, Nina Steffee. \$3300 from N.Y. FAS-FCT.

OCTOBER

- 2—Netherlands Antilles. 7 days. Birds. Leader, Ira Weigley. \$665 from Miami. FAS-FCT.
- 5, 12, 19, 26, Nov. 2, 9. Northern India, Sikkim, Nepal. 30 days. Wildlife, birds. Leaders, Guy Mountfort, Richard Waller, *et al.* \$1550 plus air fare. LT.



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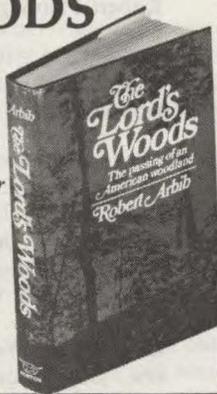
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- 6—Peru. 14 days. Birds, archaeology. Leader, Major C.V. Bowes. \$1595 from Miami, limit 5 persons. CWT.
- 6—'Round the World India, Nepal, Malaysia, Australia, N.Z. 50 days. Birds, wildlife. Leaders, Peter Alden, Dr. Robert Fleming, Jr. \$4495 all-inclusive. MAS.
- 7—Australia east, including Barrier Reef. 21 days. Birds. Leaders, Len Robinson, Dr. Donald H. Messersmith. Price not announced. CN.
- 17—Ethiopia and Kenya. 27 days. Deluxe tenting safari. Birds, wildlife. Leaders, John Williams, Russell Mason, Nina Steffee. \$3300 from Miami. FAS-FCT.
- 28—New Zealand, both islands. 21 days. Birds. Leader, Dr. Donald H. Messersmith. Price not announced. CN.
- 28—New Zealand, extension of Australia tour. 21 days. Leader, Annette C. Koon, local experts. \$1650. RR.

NOVEMBER

- 6—Nicaragua. 10 days. Birds. Leaders, Jim and Peg Thomas. \$925 from Miami. FAS-FCT.
- 13—West Africa, Canary Is. 28 days. Birds, nature. Leader, Dora Dean Weyer. \$3295 from Miami. FAS.
- 14—East Africa, Senegal. 27 days. Birds, wildlife. Leaders, Don Turner and MAS staff. Price not announced. MAS.
- 19—Brazil-Amazon River Cruise, Fernando de Noronha Is. 28 days. Birds, wildlife. Leaders, Lars-Eric Lindblad, Dr. Lyall Watson. \$2100 plus air fare. LT.
- 22—Harbour I., Bahamas. 6 days. Birds, Thanksgiving holidays. Leader, Doris Mager. \$365 from Miami. FAS-FCT.

KEY TO SPONSORS: BB, Bird Bonanzas, 6630 Biscayne Blvd. Miami, Fla. 33138. CN, Crowder Nature Tours, Box 222-N, Harpers Ferry, W. Va. 25425. CWT, Caribbean Wildlife Tours, Big Moose, New York 13307. FAS, Florida Audubon Society, P.O. Box Q, Kissimmee, Fla. 32741. FCT, Flying Carpet Tours, 700 W. Vine St., Kissimmee, Fla. 32741. FON, Federated Ontario Naturalists, 1262 Don Mills Rd., Don Mills, Ont. LT, Lindblad Travel, 133 E. 55 St., New York, N.Y. 10022. MAS, Massachusetts Audubon Society, Lincoln, Mass. 01773. RR, Roadrunner Nature Tours, Box 945, Gainesville, Tex. 76240.