



SUPPLEMENT TO *THE AUK*
 Vol. 111, No. 4, October 1994¹

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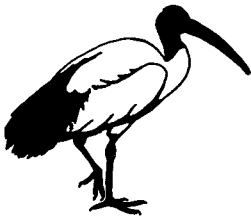
SUPPLEMENT TO *THE EMU*
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RECENT ORNITHOLOGICAL LITERATURE

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Recent Ornithological Literature is a cooperative, volunteer project for the benefit of ornithologists the world over. The partnership began in 1983 (*Auk* 100, *Ibis* 125) when the AOU and BOU combined their Recent Literature sections to publish a single supplement of ornithological literature. The RAOU joined this partnership in 1987 (*Emu* 87). The AOU covers journals published in the Americas and the Philippines. The BOU covers journals published in Europe, Africa, and mainland Asia. The RAOU covers journals published in Australasia, Japan, and other island nations of the Pacific. Volunteers scan about 700 titles and contribute abstracts regularly. Authors' addresses are included, if the journal lists them, to facilitate communication between readers and authors.

Recent Ornithological Literature strives for comprehensive coverage of the world's periodical literature of interest to persons studying wild birds. Readers are encouraged to consult the "List of Journals Scanned" published annually in the fourth supplement and to make recommendations for increasing journal coverage. Authors, editors, or publishers whose articles or journals are not covered by the ROL should send reprints, abstracts, or exchange issues to the editor responsible for covering the geographical area where the journal is published. Volunteer abstractors are welcomed.

Dedication: The Editors dedicate this issue of ROL to the memory of Marion A. Jenkinson, who was serving as Interim Editor at the time of her untimely accidental death. Marion graciously volunteered for this job, and had been devoting her tremendous energy into bringing ROL up-to-date, and we are all, as are users of this supplement, indebted to her for her hard work and perseverance. We shall very much miss her enthusiasm and dedication.

Because of Marion's tragic death, the publication schedule of ROL will differ from that set forth in the supplement to *The Auk* 111(3), *The Emu* 94(3), and *The Ibis* 136(3). Much of the 136(3). Much of the remaining older material is included herein, and nearly all of the rest will be in the following supplement, after which publication should be back on schedule. Readers are urged to search in every likely category for relevant articles, as the categorizing procedure is often subjective, and each citation can be assigned to only one category.

NEW JOURNALS

Meadowlark. Quarterly Journal of the Illinois Ornithological Society. ISSN 1065-2043. Subscriptions: I.O.S., P.O. Box 1971, Evanston, IL 60204-1971. Editor: Sheryl De Vore, 967 Braeburn Rd., Mundelein, IL 60060 USA.—Includes a variety of topics related to Illinois birds: scientific field studies (e.g., distribution and behavior), avocational information (e.g., site guides, field identification), and popular essays.—L.C.B.

QuébecOiseaux. A seasonal publication dedicated to the birds of Québec from the Association Québécoise des Groupes d'Ornithologues, C.P. 514, Drummondville, Qué. J2B 6W4, Canada. Subscription: CDN\$ 10.00 per year. Features articles and reports on birds and birding in Québec as well as seasonal observations in the province. Often uses data from ÉPOQ (Studies of Bird Population in Québec) data base. Volume 1(1) published October 1989. In French.—A.C.

BEHAVIOR AND VOCALIZATIONS

ANDERSON, S. 1993. **Stitchbirds copulate front to front.** *Notornis* 40: 14. (Ngapara, 16 K. R. D., Oamaru, New Zealand.)—Description of mating by captive pairs of *Notiomystis cincta*.—E.O.M.

ÅSTRÖM, G., & B.-O. STOLT. 1993. **Regional song dialects of the Ortolan Bunting *Emberiza hortulana* L. in Sweden.** *Ornis Svecica* 3: 1-10. (Majvägen 21, S-803 33 Gävle, Sweden.)—One northern and one central Swedish dialect distinguishable by ear.—H.K.

ÅSTRÖM, M. 1993. **Time allocation in Canada Geese during the breeding season.** *Ornis Fennica* 70: 89-95. (Dept. Ecol., Theoretical Ecol., Lund Univ., Ecol. Bldg., S-223 62 Lund, Sweden.)—During moult *Branta canadensis* relied on energy reserves. When goslings fledged time allocation was similar in males and females.—H.P.

ÅSTRÖM, M. 1992. **Interspecific variation in time budgets among sympatric dabbling ducks.** *Ornis Svecica* 2: 131-138. (Univ. Lund, Dept. Ecol., S-223 62 Lund, Sweden.)—*Anas platyrhynchos*, *A. acuta*, *A. strepera*, *A. clypeata*, *A. querquedula*, *A. crecca*, *A. penelope*.

BAILEY, S. F. 1991. **Vocalisations of sympatric shrikebills (*Clytorhynchus*) on Viti Levu, Fiji Islands.** *Notornis* 38: 227-231. (Dept. Ornithol. Mammal., California Acad. Sci., Golden Gate Pk., San Francisco, CA 94118 USA.)—*C. vitiensis*, *C. nigrogularis*.

BAKKAL, S. N. 1991. **[Peculiarities of the brooding**

- of nestlings by the Redwing (*Turdus iliacus*) in the subarctic.] USSR Acad. Sci. Proc. Zool. Inst. Ecol. Fauna Eurasiatic Birds 239: 13-29. (Zool. Inst. AN SSSR, Univ. St. Petersburg, St. Petersburg, Russia.) (Russian, Engl. summ.)
- BEAVER, D. L. 1992. An observation of copulation in the Buffalo Weaver *Bubalornis albirostris* in Senegal. *Malimbus* 14: 23-24. (Dept. Zool., Michigan State Univ., East Lansing, MI 48824 USA.)
- BEAVER, D. L. 1993. Notes on the nest-building behaviour of the Buffalo Weaver *Bubalornis albirostris* in Senegal. *Malimbus* 14: 48-51. (Dept. Zool., Michigan State Univ., East Lansing, MI 48824 USA.)—Focuses on the rate of nest construction by males and the role of stick stealing, based on 14 hours of observation of 6 nests prior to egg-laying.—P.W.P.B.
- BELANT, J. L. 1992. Common Loon aggression toward River Otters and a Beaver. *Passenger Pigeon* 54: 233-234. (U.S. Dept. Agric., Denver Wildl. Res. Ctr., 6100 Columbus Ave., Sandusky, OH 44870 USA.)—*Gavia immer*.
- BELETSKY, L. D. 1992. Social stability and territory acquisition in birds. *Behaviour* 123: 290-313. (Dept. Zool., NJ-15, Univ. Washington, Seattle, WA 98195 USA.)—Various field experiments with Red-winged Blackbirds (*Agelaius phoeniceus*) and Yellow-headed Blackbirds (*X. xanthocephalus*) to test whether floaters use social instability and boundary disputes, to locate sites where territory acquisition attempts are likely to be successful.—T.B.J.
- BENSCH, S., & D. HASSELQUIST. 1992. Evidence for active female choice in a polygynous warbler. *Anim. Behav.* 44: 301-311. (Dept. Ecol., Univ. Lund, S-223 62 Lund, Sweden.)—Radio-tracked *Acrocephalus arundinaceus* females visited several males before pairing.—A.K.T.
- BERTHELOT, J. Y. 1991. [The evolution of pair formation displays in ardeids.] *Cahiers d'Ethol.* 11 (4): 399-438. (Rue de l'Industrie, 8, Les Essarts, F-38130 Echirolles, France.)—Description of displays of *Ardea cinerea*, *A. purpurea*, *Ardeola ralloides*, *Bubulcus ibis*, and discussion of the evolution of displays in this group. (French, Engl. summ.)—M.R.E.
- BEVIER, L. R. 1993. Spread-wing and tilting display of the White-breasted Nuthatch. *Connecticut Warbler* 13: 58-62. (P.O. Box 665, Storrs, CT 06268 USA.)—*Sitta carolinensis*.
- BIRKHEAD, T. R., & A. P. MÖLLER. 1993. Why do male birds stop copulating while their partners are still fertile? *Anim. Behav.* 45: 105-118 (Dept. Anim. Plant Sci., Univ. Sheffield, Sheffield S10 2UQ, UK.)—Review of data suggests copulation efficiency once laying starts and level of sperm competition determine when copulation stops.—A.K.T.
- BIRKHEAD, T. R., & F. FLETCHER. 1992. Sperm to spare? Sperm allocation by male Zebra Finches. *Anim. Behav.* 43: 1053-1055. (Dept. Anim. Plant. Sci., Univ. Sheffield, Sheffield S10 2UQ, UK.)—*Taeniopygia guttata*.
- BISCHOFF, C. M., & M. T. MURPHY. 1993. The detection of and responses to experimental intraspecific brood parasitism in Eastern Kingbirds. *Anim. Behav.* 45: 631-638. (Dept. Biol., Utah State Univ., Logan, UT 84322-5305 USA.)—*T. tyrannus* accepted parasitically laid kingbird eggs once laying had started.—A.K.T.
- BOLES, W. E. 1993. "Predation" by Laughing Kookaburra on toy koala. *Austral. Birds* 26: 100-101. (Austral. Mus., 6 College St., Sydney, NSW 2000, Australia.)—*Dacelo novaeguineae* repeatedly picked up and hit a toy koala against the ground before flying off with it.—R.S.H.
- BOLHUIS, J. J., & G. HORN. 1992. Generalization of learned preferences in filial imprinting. *Anim. Behav.* 44: 185-187. (Dept. Zool., Downing St., Cambridge CB2 3EJ, UK.)—*G. gallus*.
- BOLHUIS, J. J., & H. S. VAN KAMPEN. 1992. An evaluation of auditory learning in filial imprinting. *Behaviour* 122: 195-230. (Dept. Zool., Univ. Cambridge, Downing St., Cambridge CB2 3EJ, UK.)—Review of the formation of visual preferences.—T.B.J.
- BORTOLOTTI, G. R., & W. M. IKO. 1992. Non-random pairing in American Kestrels: mate choice versus intra-sexual competition. *Anim. Behav.* 44: 811-821. (Dept. Biol., Univ. Saskatchewan, Saskatoon, SK S7N 0W0, Can.)—Intra-sexual competition not important in *Falco sparverius*.—A.K.T.
- BOUNDS, J. 1992. Black Swan stand-off or "swim-off"—territorial interaction between male Black Swans. *Canberra Bird Notes* 17: 98-99. (P.O. Box 403, Woden, ACT 2606, Australia.)—One male *Cygnus atratus* with female on nest swam around a passing male swan for five minutes, neck feathers bristling.—R.S.H.
- BRACE, T. 1993. Coyote and Magpie behavior at white-tailed deer carcasses. *Blue Jay* 51: 60. (Group Site 308, Box 49, RR 3, Saskatoon, SK S7K 3J6, Can.)—*P. pica*.
- BREIEHAGEN, T., & G.-P. SÆTRE. 1992. Territorial defence and plumage color in Pied Flycatchers, *Ficedula hypoleuca*. *Anim. Behav.* 44: 987-989. (Dept. Zool., Univ. Trondheim, N-7055 Dragvoll, Norway.)
- BRÉMOND, J. C., & T. AUBIN. 1992. The role of amplitude modulation in distress-call recognition by Black-headed Gull (*Larus ridibundus*). *Ethol. Ecol. Evol.* 4: 187-191. (Lab. Ethol. Exp., UA 667, Ctr. Nat. Rech. Sci., F-28210 St. Lucien, France.)
- BRINKLEY, E. S. 1994. Evasive maneuvers of Black-capped Petrel (*Pterodroma hasitata*). *Chat* 58: 18-21. (108 Cocke Hall, Univ. Virginia, Charlottesville, VA 22903 USA.)—Flock of 25 petrels climbed rapidly in a spiral to outdistance an attacking *Catharacta maccormicki*. Harassed from below, one petrel folded its wings and made a drop resembling stoop

- of large falcon, leaving South Polar Skua behind.—E.F.P.
- BROUWER, J. 1991. **Mixed breeding of waders at Bendigo Sewage Farm, Victoria, with some notes on breeding behaviour of in particular Red-necked Avocet *Recurvirostra novaehollandiae*.** *Stilt* 19: 19–23. (Dept. Soil Sci. & Geol., P.O. Box 37, 6700 AA Wageningen, Netherlands.)
- BROUWER, J. 1993. **Singing frequency over the year of Skylarks and Brown Songlarks at Gatum, Western Victoria.** *Austral. Bird Watcher* 15: 35–37. (Dept. Soil Sci. Geol., P.O. Box 37, 6700 AA Wageningen, Netherlands.)—*Alauda arvensis* and *Cinclorhamphus cruralis*.
- BROWN, E. D., S. M. FARABAUGH, & J. M. HUGHES. 1993. **A test of centre-edge hypotheses in a permanently territorial songbird, the Australian Magpie *Gymnorhina tibicen*.** *Anim. Behav.* 45: 814–816. (Div. Birds, Natl. Mus. Nat. Hist., Washington, DC 20560 USA.)—Level of defense against caged intruders not consistently related to position in territory.—A.K.T.
- BURGER, J., & M. GOCHFELD. 1991. **Human disturbance and birds: tolerance and response to disturbances of resident and migrant species in India.** *Environ. Conserv.* 18: 158–165. (Dept. Biol. Sci., Rutgers Univ., Piscataway, NJ 08855 USA.)—Migrants flush sooner than residents in response to approach of human.—N.W.G.
- BURTON, A. M. 1993. **Response of prey species to foraging goshawks *Accipiter* spp.** *Austral. Bird Watcher* 15: 94–95. (Dept. Zool., James Cook Univ. N. Qld., Townsville, Qld. 4811, Australia.)—Responses include freezing, erratic flight, flocking, and mobbing.—I.D.E.
- BURTON, A. 1992. **Interspecific interactions of goshawks (*Accipiter novaehollandiae* and *A. fasciatus*) other than between congeners at Abergorrie, Nth. Qld. 1987–1989.** *Austral. Raptor Assoc. News* 13: 12. (Box 33, Huonville, Tas. 7109, Australia.)—Mobbing behavior particularly in response to nest defence is described in relation to various raptor species.—V.T.S.
- BUSTNES, J. O., & K. E. ERIKSTAD. 1993. **Site fidelity in breeding Common Eider *Somateria mollissima* females.** *Ornis Fennica* 70: 11–16. (Norwegian Inst. Nat. Res., % Tromsø Mus., Univ. Tromsø, N-9000 Tromsø, Norway.)—Fidelity to a specific nest-site was less important than fidelity to post-nesting feeding site.—H.P.
- BUTTERFIELD, M. A. 1992. **On coming home.** *Canberra Bird Notes* 17: 82–83. (4/18 Jaeger Circuit, Bruce, ACT 2617, Australia.)—The owners noticed the appearance of House Sparrows *Passer domesticus* on their return, having not been around to feed their regular avian visitors.—R.S.H.
- BYERS, B. E., & D. E. KROODSMA. 1992. **Development of two song categories by Chestnut-sided Warblers.** *Anim. Behav.* 44: 799–810. (Dept. Zool., Univ. Massachusetts, Amherst, MA 01003-0027 USA.)—*Dendroica pensylvanica*.
- CASEY, R. M., & M. C. BAKER. 1992. **Early social tutoring influences sexual response in White-crowned Sparrows.** *Anim. Behav.* 44: 983–986. (Computing Serv., Arizona State Univ., Tempe, AZ 85287 USA.)—*Zonotrichia leucophrys nuttalli*.
- CHENG, M-F. 1992. **For whom does the female dove coo? A case for the role of vocal self-stimulation.** *Anim. Behav.* 43: 1035–1044. (Inst. Anim. Behav., Rutgers Univ., Newark, NJ 07102 USA.)—Review of studies on *Streptopelia risoria* suggesting cooing affects her endocrine state.—A.K.T.
- CHOUDHURY, S., J. M. BLACK, & M. OWEN. 1992. **Do Barnacle Geese pair assortatively? Lessons from a long-term study.** *Anim. Behav.* 44: 171–173. (JMB: Wildfowl & Wetlands Trust, Slimbridge, Glos. GL2 7BT, UK.)—Weight and condition of *Branta leucopsis* mates were correlated after but not before pairing.—A.K.T.
- CHRISTIDIS, L., & R. SCHODDE. 1993. **Sexual selection for novel partners: a mechanism for accelerated morphological evolution in the birds-of-paradise (Paradisaeidae).** *Bull. Brit. Ornithol. Club* 113: 169–172. (Dept. Ornithol., Mus. Victoria, 71 Victoria Cres., Abbotsford, Vic. 3067, Australia.)
- CLARK, W. S., & N. J. SCHMITT. 1993. **Red-headed Falcon pirates prey from Montagu's Harrier.** *J. Field Ornithol.* 64: 244–245. (4554 Shetland Green Rd., Alexandria, VA 22312 USA.)—*Falco chicquera* and *Circus pygargus*.
- CLAYTON, M. 1993. **A record of a White-throated Needletail landing in a tree.** *Canberra Bird Notes* 18: 21–22. (81 Maribyrnong Ave., Kaleen, ACT 2617, Australia.)—Observation of *Hirundapus caudacutus* crash landing into the leaves of a Red Ironbark and hanging on with the strong grip of its feet.—R.S.H.
- CLAYTON, N. S. 1992. **The ontogeny of food-storing and retrieval in Marsh Tits.** *Behaviour* 122: 11–25. (EGI, Dept. Zool., Oxford Univ., Oxford OX1 3PS, UK.)—Experiments with hand-raised *Parus palustris* to disentangle the roles of age and experience.—T.B.J.
- COBCROFT, M. D. 1993. **Magpie-lark attack on Blue-faced Honeyeater.** *Sunbird* 23: 29–31. (P.O. Box 470, Ipswich, Qld. 4305, Australia.)—Juvenile *Entomyzoon cyanotis* pecked around the head region by male *Grallina cyanoleuca* while 8 adult honeyeaters displayed in a 1 m radius circle.—M.T.C.
- COLBOURNE, R. 1991. **Further evidence of female incubation and family grouping in Brown Kiwis.** *Notornis* 38: 248–249. (Sci. Res. Div., Dept. Conserv., P.O. Box 10-420, Wellington, New Zealand.)—*Apteryx australis lawryi*.
- CONGDON, B. C. 1991. **Parent-offspring recognition in the Black Noddy *Anous minutus*.** *Emu* 91: 158–163. (Sch. Austral. Environ. Stud., Griffith Univ., Nathan, Qld. 4111, Australia.)—Parent-chick dis-

- crimination can be detected in the 4th week post-hatching.—R.E.M.
- COPETE, J. L., & L. GUSTAMANTE. 1992. Agonistic interaction between a Nightjar *Caprimulgus europaeus* and a Red-necked Nightjar *Caprimulgus ruficollis*. *Butll. GCA* 9: 47–48. (Mus. Zool., Apdo. 593, 08080 Barcelona, Spain.)—*C. ruficollis* in its breeding area pursuing a presumed migrant *C. europaeus*.—J.L.C.
- COPETE, L. M., LL. GUSTAMANTE, & R. MATEO. 1991. A large flock of Sand Martins *Riparia riparia* staying on the ground. *Butll. GCA* 8: 9–10. (Cuba 60, 1^o 4^o, 08915 Badalona, Barcelona, Spain.)
- CRAWFORD, I. 1993. A large gathering of Wedge-tailed Eagles. *Canberra Bird Notes* 18: 43. (P.O. Box 31, O'Connor, ACT 2601, Australia.)—13 *Aquila audax* near Bredbo, some of them feeding on a carcass.—R.S.H.
- DABELSTEEN, T., & S. B. PEDERSEN. 1993. Song-based species discrimination and behaviour assessment by female Blackbirds, *Turdus merula*. *Anim. Behav.* 45: 759–771. (Inst. Pop. Biol., Copenhagen Univ., DK-2100 Copenhagen Ø, Denmark.)—Females and males attend to different parameters of songs.—A.K.T.
- DABELSTEEN, T., & S. B. PEDERSEN. 1992. Song features essential for species discrimination and behaviour assessment by male Blackbirds (*Turdus merula*). *Behaviour* 121: 259–287. (Inst. Pop. Biol., Copenhagen Univ., Universitetsparken 15, DK-2100 Copenhagen Ø, Denmark.)—Playback experiments in the field with modified sounds.—T.B.J.
- DATE, E. M., & R. E. LEMON. 1993. Sound transmission: a basis for dialects in birdsong? *Behaviour* 124: 291–312. (Dept. Ecosystem Manage., Univ. New England, Armidale, N.S.W. 2351, Australia.)—The hypothesis that bird song dialects are influenced by the way songs are distorted in different habitats was tested in American Redstarts, *Setophaga ruticilla*. Data do not support the hypothesis.—T.B.J.
- DAVIDSON, W. R., & N. E. LANGMORE. 1991. Variation in the male whip-crack of the Eastern Whipbird *Psophodes olivaceus*. *Austral. Bird Watcher* 14: 82–84. (Div. Wildl. Ecol., CSIRO, P.O. Box 84, Lyneham, ACT 2602, Australia.)—Possibly a copying error in song learning.—I.D.E.
- DAVIS, W. E., & H. F. RECHER. 1993. Aggression by honeyeaters and its consequences for nesting Striated Thornbills *Acanthiza lineata*. *Corella* 17: 25–27. (Coll. Basic Stud., Boston Univ., 871 Commonwealth Ave., Boston, MA 02215 USA.)—*Anthochaera carunculata*, *Meliphaga chrysops*, and *Melithreptus lunatus* probably reduce reproductive success of smaller species.—I.D.E.
- DAVIS, W. E., JR., & B. M. BEEHLER. 1993. Dual singing between an adult and fledgling Marbled Frogmouth. *Corella* 17: 111–113. (Coll. Gen. Stud., Boston Univ., 871 Commonwealth Ave., Boston, MA 02215 USA.)—Possible contact call for *Podargus ocellatus*.—I.D.E.
- DAY, N. 1993. Tree perching and presumed roosting of White-throated Needletails *Hirundapus caudacutus*. *Austral. Bird Watcher* 15: 43–44. (42 Bayview Ave., Tenby Point, Vic. 3984, Australia.)
- DE FRAINE, R. 1992. [Swimming Sand Martin.] *Orniolus* 58: 53 (Molenbergstr. 3, B-3272 Testelt, Belgium.)—*R. riparia*. (Dutch.)
- DEBUS, S. J. S., ET AL. 1991. Breeding behaviour and diet of the Australian Hobby *Falco longipennis* in Northern New South Wales. *Austral. Bird Watcher* 14: 123–137. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)
- DEBUS, S. J. S., ET AL. 1992. Breeding behaviour of a pair of Square-tailed Kites. *Austral. Birds* 26: 1–13. (Zool. Dept., Univ. New England, NSW 2351, Australia.)—*Lophoictinia isura*.
- DEXTER, R. W. 1992. Sociality of Chimney Swifts (*Chaetura pelagica*) nesting in a colony. *N. Am. Bird Bander* 17: 61–64. (Dept. Biol. Sci., Kent State Univ., Kent, OH 44242 USA.)—Data on mate and helper fidelity, site tenacity, and other topics.—R.B.C.
- DIAZ, J. A., & B. ASENSIO. 1991. Effects of group size and distance to protective cover on the vigilance behaviour of Black-billed Magpies *Pica pica*. *Bird Study* 38: 38–41. (Dept. Biol. Anim. (Vert.), Fac. Biol., Univ. Complutense, 28040 Madrid, Spain.)
- DOWSETT-LEMAIRE, F. 1992. On the vocal behaviour and habitat of the Maned Owl *Jubula letti* in south-western Congo. *Bull. Brit. Ornithol. Club* 112: 213–218. (Rue de Bois de Breux 194, B-4020 Jupille-Liege, Belgium.)
- DRUMMOND, H., & J. L. OSORNO. 1992. Training siblings to be submissive losers: dominance between booby nestlings. *Anim. Behav.* 44: 881–893. (Ctr. Ecol., Univ. Nac. Autón., A.P. 70-275, 04510 D.F., México.)—Agonistic roles in *Sula nebouxii* determined by experience.—A.K.T.
- DUZINSKI, K. M., ET AL. 1991. The Pine Warbler song repertoire: a preliminary description and analysis. *Bull. Texas Ornithol. Soc.* 24: 30–38. (Mar. Mammal Res. Prog., Texas A&M Univ. Galveston, 4700 Ave. U, Bldg. 303, Galveston, TX 77551-5923 USA.)—*Dendroica pinus*.
- DUNN, P. O. 1993. Extra-pair paternity in polygynous Tree Swallows. *Anim. Behav.* 45: 231–239. (Div. Bot. Zool., Austral. Natl. Univ. Canberra, ACT 2601, Australia.)—DNA fingerprinting of *Tachycineta bicolor* showed polygynous males twice as likely to be cuckolded as monogamous males.—A.K.T.
- DUNN, P. O. 1993. Reply to Møller. *Anim. Behav.* 45: 629. (Div. Bot. Zool., Austral. Natl. Univ. Canberra, ACT 2601, Australia.) Reply to paper by A. P. Møller on territory sizes. *Anim. Behav.*, 1992, 43: 860–861.
- DYRCZ, A., ET AL. 1994. Nestling growth and mating system in four *Acrocephalus* species. *Vogelwarte*

- 37: 179-182. (Dept. Avian Ecol., Wroclaw Univ., Sienkiewicza 21, PL- 50-335 Wroclaw, Poland.)
- EENS, M., R. PINXTEN, & R. F. VERHEYEN. 1992. **Song learning in captive European Starlings, *Sturnus vulgaris*.** Anim. Behav. 44: 1131-1143. (Dept. Biol., Univ. Antwerp, B-2610 Wilrijk, Belgium.)—Song repertoire modified as male gets older.—A.K.T.
- ENGGIST-DÜBLIN, P., & T. R. BIRKHEAD. 1992. **Differences in the calls of European and North American Black-billed Magpies and the Yellow-billed Magpie.** Bioacoustics 4: 185-194. (Zool. Inst., Ethol. Stn. Hasli, Univ. Bern, CH-3032 Hinterkappelen, Wohlenstrasse 50a, Switzerland.)—Chatter calls of the two N. American magpies, *P. pica* and *P. nuttallii*, more similar to each other than either is to the European magpie.—M.R.E.
- ENSTROM, D. A. 1993. **Female choice for age-specific plumage in the Orchard Oriole: implications for delayed plumage maturation.** Anim. Behav. 45: 435-442. (Dept. Biol., Indiana Univ., Bloomington, IN 47405 USA.)—*Icterus spurius* females prefer adult to subadult males.—A.K.T.
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- FAIRBAIRN, S. 1993. **Superb Lyrebirds in territorial dispute.** Austral. Birds 27: 11. (145 Darling Point Rd., Darling Point, NSW 2027, Australia.)—2 *Menura novaehollandiae* calling loudly with 1 bird displaying and making short jumps before both ran off.—R.S.H.
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- GLAVES, D. J. 1992. **Behaviour of Redwing and Fieldfare at roost in south-east Sheffield.** *Maggpie*. J. Ornithol. Sheffield Reg. 4: 12-18. (% MAFF, Staplake Mount, Starcross, Exeter EX6 8PR, UK.)—Counts of numbers of *Turdus iliacus* and *T. pilaris* roosting during the winter of 1982/83.—M.R.E.
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- GRAHAM, W. S. 1993. **Eastern Yellow Robins and other birds harass Southern Boobook.** *Canberra Bird Notes* 18: 36. (63 May Maxwell Cres., Gilmore, ACT 2905, Australia.)—The vocal barrage of 3 *Eopsaltria australis* used to harass *Ninox novaeseelandiae*.—R.S.H.
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- HAFTORN, S. 1993. **Willow Warbler *Phylloscopus trochilus* imitating the song of the Chiffchaff *P. collybita*.** *Bull. Brit. Ornithol. Club* 113: 216-224. (Trondheim Univ., The Museum, N-7004 Trondheim, Norway.)—A bird at Heimdal, near Trondheim in central Norway, sang both pure songs of the Willow Warbler and Chiffchaff and a mixture of both songs.—L.G.G.
- HAMAO, S. 1992. **[Lack of pair-bond: a polygynous mating system of the Japanese Bush Warbler *Cettia diphone*.]** *Japan. J. Ornithol.* 40: 51-65. (Dept. Biol., Joetsu Univ. Educ., Yamayashiki-machi, Joetsu 943, Japan.)—The first evidence of polygynous mating system is given for *C. diphone*. (Japanese, Engl. summ.)—Y.E.
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- 7RH, UK.)—4-year study of 20–40 nest boxes in *Fraxinus excelsior* wood.—R.T.B.
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- HERREMANS, M., & D. HERREMANS. 1992. **The imitative repertoire of a Kalahari Robin *Erythropgyia paena***. *Babbler* 24: 22–23. (P.O. Box 131, Gaborone, Botswana.)—At least 32 species imitated by one individual.—N.J.S.
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- HOBSON, R. G. 1992. **The Red Goshawk (*Erythrotriorchis radiatus*) in the Lockyer Valley, S.E. Qld**. *Austral. Raptor Assoc. News* 13: 12–13. (Box 33, Huonville, Tas. 7109, Australia.)—Several observations of this raptor species are described including their being mobbed and feeding habits.—V.T.S.
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- HOGSTAD, O. 1993. **Nest defence and physical condition in Fieldfare *Turdus pilaris***. *J. Ornithol.* 134: 25–33. (Univ. Trondheim, The Museum, N-7004 Dragvoll, Norway.)
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- HUBREGESTE, V. 1992. **House Sparrows operating electronic doors**. *Austral. Bird Watcher* 14: 241. (6 Saniky St., N. Clayton, Vic. 3168, Australia.)—*Passer domesticus* in Chadstone, Vic.—I.D.E.
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- LERKELUND, H. E., ET AL. **An experimental test of optimal clutch size of the Fieldfare; with a discussion on why brood parasites remove eggs when they parasitize a host species.** Ornis Scand. 24: 95-102. (Dept. Zool., Univ. Trondheim, N-7055 Dragvoll, Norway.)—Experimentally enlarged clutches of *Turdus pilaris* had lower hatching success than natural clutches. Results support "incubation limit" hypothesis.—R.T.B.
- LI, P., X. YU, & F. LI. 1991. **[Intraspecific individual recognition by song in Yellow-throated Bunting.]** Zool. Res., Kunming 12: 163-168. (Biol. Dept., Harbin Normal Univ., Harbin, China.)—*Emberiza elegans*. (Chinese, Engl. summ.)
- LIFJELD, J. T., ET AL. 1993. **Extra-pair paternity in monogamous Tree Swallows.** Anim. Behav. 45: 213-229. (R. J. Robertson: Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—DNA fingerprinting in *Tachycineta bicolor* showed 33 of 86 offspring result of extra-pair paternity but none from brood parasitism.—A.K.T.
- LOREK, G., & P. TRYJANOWSKI. 1993. **[Female-female pairs (A review).]** Notatki Ornitol. 34: 141-156. (ul. Kusza 26, 54-125 Poniec, Poland.)—Full bibliography of subject. (Polish, Engl. summ.)—T.W.
- LOREK, G. 1991. **[Polygyny in the Great Grey Shrike, *Lanius excubitor* (L.).]** Przegł. Zool. 35: 355-359. (ul. Kusza 26, 64-125 Poniec, Poland.) (Polish, Engl. summ.)
- LUSCHI, P. 1993. **Improvisation of new notes during singing by male Sardinian Warblers *Sylvia melanocephala*.** Bioacoustics 4: 235-244. (Dip. Sci. Comportamento Anim. e dell'Uomo, Univ. Pisa, Via A. Volta 6-56100 Pisa, Italy.)
- MARGOLASH, D., & S. C. BANKES. 1993. **Computations in the ascending auditory pathway in songbirds related to song learning.** Am. Zool. 33: 94-103. (Dept. Organismal Biol. & Anat., Univ. Chicago, 1025 E. 57th St., Chicago, IL 60637 USA.)—A progress report on work designed to explore characteristics of individual song-learning in *Taeniopygia guttata*, with emphasis on relating results of classical auditory experiments to neuronal properties of song system nuclei, and to brain architecture in thalamus.—J.S.G.
- MARJAKANGAS, A. 1992. **Winter activity patterns of the Black Grouse *Tetrao tetrix*.** Ornis Fennica 69: 184-192. (Dept. Zool., Univ. Oulu, Linnanmaa, SF-90570 Oulu, Finland.)—During most of the winter, activity peak was in the morning and 94% of the day was spent in snow roost.—H.P.
- MARTIN, K., & A. G. HORN. 1993. **Clutch defense by male and female Willow Ptarmigan *Lagopus lagopus*.** Ornis Scand. 24: 261-266. (CWS, Pacific & Western Reg., P.O. Box 340, Delta, BC V4K 3Y3, Can.)—Four-year study of anti-predator behavior during incubation period in Manitoba.—R.T.B.
- MARTIN, K. 1992. **Breeding behaviour of a pair of Whistling Kites *Haliastur sphenurus*.** Austral. Bird Watcher 14: 230-240. (1/66 Cabarita Rd., Careel Bay, NSW 2107, Australia.)—Notes on territory, display, nest-building, parental behavior, post-fledging period, and diet.—I.D.E.
- MATSUOKA, S. 1991. **[Differential responses to automobile horn sound in young and adult Tree Sparrows *Passer montanus*.]** Japan. J. Ornithol. 39: 111-120. (For. For. Prod. Res. Inst., Min. Agric. For. Fish., Kukizaki-machi, Ibaraki 305, Japan.)—Adult sparrows were more easily repelled by automobile horn. (Japanese, Engl. summ.)—Y.E.
- MCCRARY, M. D., P. H. BLOOM, & M. J. GIBSON. 1992. **Observations on the behavior of surplus adults in a Red-shouldered Hawk population.** J. Raptor Res. 26: 10-12. (Dept. Biol., California State Univ., Long Beach, CA 90840 USA.)—Two male *Buteo lineatus* floaters respond to temporary removal of two resident males in southern California.—J.A.S.
- MCGREGOR, P. K., ET AL. 1992. **The signal value of matched singing in Great Tits: evidence from interactive playback experiments.** Anim. Behav. 43: 987-998. (Dept. Life Sci., Univ. Nottingham, Nottingham NG7 2RD, UK.)—*Parus major*.
- MCNAUGHT, R. M., & G. GARRADD. 1992. **On Galahs and vortices.** Emu 92: 248-249. (Cottage 5, Siding Spring Obs., Coonabarabran, NSW 2557, Australia.)—*Eolophus roseicapillus* apparently using wind vortices for play.—S.R.P.
- MCNIGHT, D., & B. MCNIGHT. 1991. **Welcome Swallows operating electronic doors.** Austral. Bird Watcher 14: 81. (P.O. Box 246, Rockhampton, Qld., Australia.)—*Hirundo neoxena*.
- MENONI, E. 1991. **[Cackle calls and territoriality of female Capercaillie in spring in the Pyrenees.]** Acta Biol. Mont. 10: 63-82. (Office Nat. Chasse, 31400 Bachos, France.)—Cackling by female *Tetrao urogallus* functions as territorial signal to space out females. (French, Engl. summ.)—B.J.H.

- METCALF, R. 1992. **Sunbathing (?) by Blackbirds and Pied Currawongs.** Canberra Bird Notes 3: 76. (18 Hemmant St., O'Connor, ACT 2601, Australia.)—Sunning by *Turdus merula* and *Strepera graculina* for restoring energy or the movement of parasites.—R.S.H.
- MITCHELL, T. L. 1993. **Tool use by a White-breasted Nuthatch.** Bull. Oklahoma Ornithol. Soc. 26: 6-7. (1140 S 101 East Ave. #3, Tulsa, OK 74128 USA.)—Loose piece of bark apparently used by *Sitta carolinensis* to peel off others and then feed on an invertebrate.—R.B.C.
- MOKSNES, A. 1992. **Egg recognition in Chaffinches and Bramblings.** Anim. Behav. 44: 993-995. (Dept. Zool., Univ. Trondheim, N-7055 Dragvoll, Norway.)—*Fringilla coelebs* and *F. montifringilla*.
- MOLDENHAUER, R. R. 1992. **Two song populations of the Northern Parula.** Auk 109: 215-222. (Dept. Biol. Sci., Sam Houston State Univ., Huntsville, TX 77341 USA.)—Differences in "Type A" song characteristics of eastern and western *Parula americana* populations may be a function of early stages of allopatric divergence.—T.M.D.
- MOORE, B. R. 1992. **Avian movement imitation and a new form of mimicry: tracing the evolution of a complex form of learning.** Behaviour 122: 231-263. (Dalhousie Univ., Dept. Psych., Halifax, NS B3H 4J1, Can.)—Experimenter elicited amazing movement imitation in captive African Grey Parrot, *Psittacus erithacus*. General discussion of movement imitation in birds and mammals.—T.B.J.
- MULDER, R. A., & N. E. LANGMORE. 1993. **Dominant males punish helpers for temporary defection in Superb Fairy-wrens.** Anim. Behav. 45: 830-833. (Div. Bot. Zool., Austral. Natl. Univ., Canberra, ACT 2601, Australia.)—*Malurus cyaneus*.
- MULLIÉ, W. C., J. BROUWER, & C. ALBERT. 1992. **Gregarious behaviour of African Swallow-tailed Kite *Chelictinia riocourii* in response to high grasshopper densities near Ouallam, western Niger.** Malimbus 14: 19-21. (DFPV, Ctr. Agrhymet/CILSS, BP 12625, Niamey, Niger.)—Up to 800 birds, Oct.-Dec. 1991.—P.W.P.B.
- NAGEL, J. 1994. **Allopreening by Brown-headed Nuthatches in South Carolina.** Chat 58: 55-56. (Dept. Biol. Sci., E. Tenn. State Univ., Johnson City, TN 37614 USA.)—Duration of activity ca. 2 min. on 4 Jan. 1993; apparently third published record of allopreening for *Sitta pusilla*.—E.F.P.
- NAKAMURA, H., & Y. MIYAZAWA. 1990. **[Social system among Cuckoo males *Cuculus canorus* at Kayanodaira Heights, Central Japan.]** Bull. Inst. Nature Educ. Shiga Heights, Shinshu Univ. 27: 17-27. (Dept. Biol., Fac. Educ., Shinshu Univ., Nagano 380, Japan.)—Main host is Bull-headed Shrike, *Lanius bucephalus*. 37.5% of the shrike nests were parasitized. Home ranges of 2 males and 2 females were plotted by radio transmitters. Territoriality and dominance hierarchy are discussed. (Japanese, Engl. summ.)—K.U.
- NAKAMURA, H. 1990. **Brood parasitism by the Cuckoo *Cuculus canorus* in Japan and the start of new parasitism on the Azure-winged Magpie *Cyanopica cyanea*.** Japan. J. Ornithol. 39: 1-18. (Dept. Biol., Fac. Educ., Shinshu Univ., Nishianganano, Nagano 380, Japan.)—The cuckoo started to parasitize the magpie about 15 years ago and the magpie now suffers a high rate of parasitism. The Siberian Meadow Bunting, *Emberiza cioides*, a regular host species 60 years ago, is now parasitized only rarely.—Y.E.
- NAUERTZ, S. T. 1992. **Peck-order formation in decoy-reared Trumpeter Swans.** Passenger Pigeon 54: 203-207. (Dept. Nat. Resour., Mead Wildl. Area, Milladore, WI 54454 USA.)—Peck-order in *Cygnus buccinator* established early based on comparative age and size of young; subsequent changes in relative weights at full-growth stage had little effect on peck-order.—D.L.E.
- NAUGLER, C., & L. RATCLIFFE. 1992. **A field test of the sound environment hypothesis of conspecific song recognition in American Tree Sparrows (*Spizella arborea*).** Behaviour 123: 314-324. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—Playback experiments with synthetic songs do not support the hypothesis that the song features important for conspecific recognition are those that overlap least with the songs of other species in same area.—T.B.J.
- NAUGLER, C. T. 1993. **Vocalizations of the Golden-crowned Kinglet in eastern North America.** J. Field. Ornithol. 64: 346-351. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—*Regulus satrapa*.
- NEE, K., & V. Y. Y. YEO. 1993. **Roost site selection and the waking and roosting behaviour of mynas in relation to light intensity.** Malay. Nat. J. 46: 255-263. (Dept. Zool., Nat. Univ. Singapore, Lower Kent Ridge Rd., 0511 Singapore.)—*Acridotheres tristis* and *A. javanicus*.
- NEGRO, J. J., J. A. DONÁZAR, & F. HIRALDO. 1992. **Copulatory behaviour in a colony of Lesser Kestrels: sperm competition and mixed reproductive strategies.** Anim. Behav. 43: 921-930. (Estac. Biol. Doñana CSIC, 41080 Sevilla, Spain.)—*Falco naumanni*.
- NERO, R. W. 1993. **Red fox-Common Raven interaction.** Blue Jay 51: 177-178. (Box 24, 1495 St. James St., Winnipeg, MB R3H 0W9, Can.)—*Corvus corax*.
- NERO, R. W. 1993. **Evidence of snow-plunging by Boreal and Barred owls.** Blue Jay 51: 166-169. (Box 24, 1495 St. James St., Winnipeg, MB R3H 0W9, Can.)—*Aegolius funereus*, *Strix varia*.
- NEUDORF, D. L., & S. G. SEALY. 1992. **Reactions of four passerine species to threats of predation and cowbird parasitism: enemy recognition or generalized responses?** Behaviour 123: 84-105. (Dept. Biol., York Univ., 4700 Keele St., N. York, ON M3J 1P3, Can.)—Reactions of *Agelaius phoeniceus*, *Du-*

- metella carolinensis*, *Icterus galbula*, and *Bombycilla cedrorum* to models of female *Molothrus ater*, *Passerella iliaca*, and *Quiscalus quiscula*.—T.B.J.
- NICOL, C. J., & S. J. POPE. 1993. **Food deprivation during observation reduces social learning in hens.** *Anim. Behav.* 45: 193–196. (Dept. Anim. Husb., Univ. Bristol, Bristol BS18 7DU, UK.)—*G. gallus*.
- NILSSON, J.-Å., & E. SVENSSON. 1993. **The frequency and timing of laying gaps.** *Ornis Scand.* 24: 122–126. (Dept. Ecol., Anim. Ecol., Univ. Lund, Ecol. Bldg., S-223 62 Lund, Sweden.)—Study of 55 *Parus caeruleus* nestbox clutches in 1990.—R.T.B.
- NORSTEINSSON, B. 1992. **[Male Shoveler attending Mallard nest.]** *Bliki* 12: 54. (Ránarslóð 6, 780 Höfn, Iceland.)—Male *Anas platyrhynchos* attended for at least three weeks an *A. platyrhynchos* nest, also attended by a Mallard drake, and incubated by a female Mallard. (Icelandic.)—A.P.
- O'DONNELL, C. F. J. 1993. **More sap feeding by the Kaka.** *Notornis* 40: 79–80. (Sci. Res. Div., Dept. Conserv., Private Bag, Christchurch, New Zealand.)—*Nestor meridionalis*.
- PASCOE, C., & M. SAXON. 1992. **The taking of human hair by the Brown-headed Honeyeater *Melithreptus brevirostris*.** *Austral. Bird Watcher* 14: 318–319. (Flora & Fauna Div., Dept. Conserv. Environ., 123 Brown St., Heidelberg, Vic. 3084, Australia.)—Presumably nesting material.—I.D.E.
- PETER, J. M. 1993. **Vocal mimicry of native species of Song Thrush *Turdus philomelos*.** *Austral. Bird Watcher* 15: 92–93. (RAOU, 21 Gladstone St., Moonee Ponds, Vic. 3039, Australia.)—Included mimicry of *Grallina cyanoleuca* and *Lichenostomus penicillatus* most often in repertoire of six native and two introduced species.—I.D.E.
- PETERSON, A. T., & D. B. BURT. 1992. **Phylogenetic history of social evolution and habitat use in the *Aphelocoma* jays.** *Anim. Behav.* 44: 859–866. (Mus. Nat. Hist., Univ. Kansas, Lawrence, KS 66045-2454 USA.)
- PETRETTI, F. 1991. **Italian Sparrows (*Passer italiae*) breeding in Black Kite (*Milvus migrans*) nests.** *Avocetta* 15: 15–17. (S.R.O.P.U., Via degli Scipioni 268/a, 00192 Roma, Italy.)—*P. domesticus* "italiae".
- PETRIE, M. 1992. **Copulation frequency in birds: Why do females copulate more than once with the same male?** *Anim. Behav.* 44: 790–792. (Dept. Zool., S. Parks Rd., Oxford OX1 3PS, UK.)—Suggests as a means of mate guarding.—A.K.T.
- PETRIE, M. 1992. **Peacocks with low mating success are more likely to suffer predation.** *Anim. Behav.* 44: 585–586. (Dept. Zool., S. Parks Rd., Oxford OX1 3PS, UK.)—*Pavo cristatus*.
- PICKERING, S. P., & L. DUVERGE. 1992. **The influence of visual stimuli provided by mirrors on the marching displays of Lesser Flamingos, *Phoeniconaias minor*.** *Anim. Behav.* 43: 1048–1050. (Wild-fowl & Wetlands Trust, Slimbridge, Glos. GL2 7BT, UK.)—Displays continued for longer when mirrors present.—A.K.T.
- PINXTEN, R., ET AL. 1993. **Extra-pair paternity and intraspecific brood parasitism in the European Starling, *Sturnus vulgaris*: evidence from DNA fingerprinting.** *Anim. Behav.* 45: 795–809. (Dept. Biol., Univ. Antwerp UIA, B-2610 Wilrijk, Belgium.)—Extra-pair paternity found in six offspring in four broods (out of 62 chicks examined), in part due to rapid mate replacement, but only one case of brood parasitism.—A.K.T.
- PIPER, W. H., & G. SLATER. 1993. **Polyandry and incest avoidance in the cooperative Stripe-backed Wren of Venezuela.** *Behaviour* 124: 227–247. (Ctr. Integrative Stud. Anim. Behav., 402 N. Park St., Bloomington, IN 47405 USA.)—Behaviour of male helpers in a group depends on whether they are sons of the dominant female in *Campylorhynchus nuchalis*.—T.B.J.
- POGORELOV, A. S. 1991. **[Behavior of young Great Spotted Woodpeckers (*Dendrocopos major*) pecking at pine cones.]** *USSR Acad. Sci. Proc. Zool. Inst. Ecol. Fauna Eurasiatic Birds* 239: 118–120. (Zool. Inst. AN SSSR, Univ. St. Petersburg, St. Petersburg, Russia.) (Russian, Engl. summ.)
- POIANI, A. 1991. **Anti-predator behavior in the Bell Miner *Manorina melanophrys*.** *Emu* 91: 164–171. (Dept. Zool., La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Nest predators mobbed by more birds in dense colonies; but this does not lead to increased reproductive success.—R.E.M.
- POLANI, A. 1992. **Feeding of the female breeder by male helpers in the Bell Miner, *Manorina melanophrys*.** *Emu* 92: 233–237. (Dept. Genet. Human Variation, La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Suggests such behavior may be an attempt to establish mating relationships.—S.R.P.
- POMEROY, H., & F. HEPNER. 1992. **Structure of turning in airborne Rock Dove (*Columba livia*) flocks.** *Auk* 109: 256–267. (Acad. Computer Ctr., Roger Williams Coll., Bristol, RI 02809 USA.)—Nonstereo, three-dimensional technique finds birds continually reposition in turns as possible function of predator avoidance.—P.A.P.
- POST, W. 1992. **Dominance and mating success in male Boat-tailed Grackles.** *Anim. Behav.* 44: 917–929. (Charleston Mus., 360 Meeting St., Charleston, SC 29403 USA.)—*Quiscalus major*.
- POTTI, J., & S. MONTALVO. 1993. **Polygny in Spanish Pied Flycatchers *Ficedula hypoleuca*.** *Bird Study* 40: 31–37. (Dept. Biol. Anim., Univ. Alcala Henares, 28871 Madrid, Spain.)
- PÖYSÄ, H. 1992. **Variation in parental care of Common Goldeneye (*Bucephala clangula*) females.** *Behaviour* 123: 247–260. (Finnish Game Fish. Inst., Evo Game Res. Stn., SF-16970 Evo, Finland.)
- PRAVOSUDOV, V. V. 1993. **Social organization of the Nuthatch *Sitta europaea asiatica*.** *Ornis Scand.* 24: 290–296. (Dept. Zool., Ohio State Univ., 1735 Neil

- Avenue, Columbus, OH 43210 USA.)—Five-year study of survival, dispersal, territory size, pair composition, and juvenile settling behavior of individually marked population in n.e. Siberia.—R.T.B.
- RAVE, D. P., & C. L. CORDES. 1993. **Time-activity budget of Northern Pintails using nonhunted rice fields in southwest Louisiana.** J. Field Ornithol. 64: 211–218. (Minnesota Dept. Nat. Resour., 102 23rd St., Bemidji, MN 56601 USA.)—*Anas acuta*.
- ROBINSON, D. 1993. **Interspecific aggressive behaviour between robins and other birds in eucalypt forest.** Corella 17: 107–110. (Dept. Ecol. Evol. Biol., Monash Univ., Clayton, Vic. 3168, Australia.)—Food competition most likely cause for interspecific aggression involving *Petroica multicolor* and *P. phoenicea*.—I.D.E.
- ROGERS, L. J., & L. WORKMAN. 1993. **Footedness in birds.** Anim. Behav. 45: 409–411. (Dept. Psychol., Univ. New England, Armidale, NSW 2351, Australia.)—*G. gallus* and *Melopsittacus undulatus*.
- ROLANDO, A., & C. PALESTRINI. 1991. **The effect of interspecific aggression on territorial dynamics in *Acrocephalus* warblers in a marsh area of north-western Italy.** Bird Study 38: 92–97. (Dip. Biol. Anim., via Accademia Alberina 17, 10123 Torino, Italy.)—*A. arundinaceus* dominant over *A. scirpaceus* and *A. palustris*.—I.M.S.
- ROSENGREN, V. 1993. **At what hour do Pied Flycatchers *Ficedula hypoleuca* lay their eggs?** Ornithologica Fennica 70: 47–49. (Borgå Gymnasium, Gymnasiegatan 10, FIN-06100 Borgå, Finland.)—Intra-individual variation was smaller than variation between individuals.—H.P.
- ROWLEY, I. 1991. **Petal-carrying by Fairy-wrens of the genus *Malurus*.** Austral. Bird Watcher 14: 75–81. (CSIRO Div. Wildl. Ecol., L.M.B. 4, P.O. Midland, WA 6056, Australia.)—Suggested that petal-carrying enhances attractiveness of males to females.—I.D.E.
- ROWLEY, I. 1991. **Petal-carrying by the Red-backed Fairy-Wren.** Sunbird 21: 112–113. (53 Swan St., Guildford, WA 6055, Australia.)—*Malurus melanocephalus*.
- RUSSELL, E. M., & I. ROWLEY. 1993. **Philopatry or dispersal: competition for territory vacancies in the Splendid Fairy-wren, *Malurus splendens*.** Anim. Behav. 45: 519–539. (CSIRO Div. Wildl. Ecol., LMB4, P.O. Midland, WA 6056, Australia.)—17-year study.—A.K.T.
- RYLANDER, M. K. 1993. **Observations on the social behaviour of semicaptive Barnacle Geese (*Branta leucopsis*).** Vogelwarte 37: 43–49. (Dept. Biol. Sci., Texas Tech Univ., Lubbock, Texas 79409 USA.)
- SADLER, D. 1993. **Barred Owl and Northern Goshawk co-occurrence.** Ontario Birds 11: 35. (R.R. 4, Peterborough, ON K9J 6X5, Can.)—*Strix varia* and *Accipiter gentilis* nesting in close proximity.—M.K.M.
- SÆTRE, G.-P., & T. SLAGSVOLD. 1992. **Evidence for sex recognition from plumage color by the Pied Flycatcher, *Ficedula hypoleuca*.** Anim. Behav. 44: 293–299. (Dept. Biol., Univ. Oslo, Blindern, N-0316 Oslo, Norway.)
- SÆTRE, G.-P. 1993. **Sex recognition by male Pied Flycatchers in a population with little sexual dimorphism in plumage colour.** Ornithologica Scand. 24: 158–160. (Dept. Biol., Div. Zool., Univ. Oslo, P.O. Box 1050 Blindern, N-0316 Oslo 3, Norway.)—Experimental study of response of unmated, resident male *Ficedula hypoleuca* to an intruder.—R.T.B.
- SAHARA, Y., ET AL. 1990. **Feeding activity of the Grey Heron *Ardea cinerea* in tidal and non-tidal environments.** Japan. J. Ornithol. 39: 45–52. (Dept. Biol., Fac. Gen. Educ., Hirosaki Univ., Hirosaki 036, Japan.) (Japanese, Engl. summ.)
- SANDERSON, K., & H. CROUCH. 1993. **Vocal repertoire of the Australian Magpie *Gymnorhina tibicen* in South Australia.** Austral. Bird Watcher 15: 162–164. (Sch. Biol. Sci., Flinders Univ., G.P.O. Box 2100, Adelaide, SA 5000, Australia.)—Provides sonograms of alarm calls, dawn song, subsong, and mimicry.—I.D.E.
- SANSON, G. 1992. **Peregrines (*Falco peregrinus*) at Mt. Dandenong, Vic. (Australia).** Austral. Raptor Assoc. News 13: 52–53. (Box 33, Huonville, Tas. 7109, Australia.)—Some observations which include co-operative hunting, wind direction, and probability of sighting and other behavior from 1991–92.—V.T.S.
- SCHLEUCHER, E. 1993. **Life in extreme dryness and heat: a telemetric study of the behaviour of the Diamond Dove *Geopelia cuneata* in its natural habitat.** Emu 93: 252–258. (AK Stoffwechselphysiol., Zool. Inst., Johann Wolfgang Goethe-Univ., Siesmayerstr. 70, D-60054 Frankfurt/M1, Germany.)—*G. cuneata* active throughout the day, even in extreme heat.—S.R.P.
- SCHULZE-HAGEN, K. 1992. **[Parasitism and egg losses due to the Cuckoo (*Cuculus canorus*) in Reed and Marsh Warblers (*Acrocephalus scirpaceus*, *A. palustris*) in central and western Europe.]** J. Ornithol. 133: 237–249. (Bergerstr. 163, DW-4050 Mönchengladbach 1, Germany.) (German, Engl. summ.)
- SCHÜTZ, M. 1991. **[Time dependent aggressive behaviour during courtship in (Ringed) Plovers (*Charadrius hiaticula*)]** Ökol. Vögel 13: 187–191. (Kopernikusstr. 33, D-(O)1034 Berlin, Germany.)—Removal of paired female led to aggressive behavior with neighboring males—a signal for “floating” females? (German, Engl. summ.)—H.-H.W.
- SEARCY, W. A. 1992. **Song repertoire and mate choice in birds.** Am. Zool. 32: 71–80. (Dept. Biol. Sci., Univ. Pittsburgh, Pittsburgh, PA 15260 USA.)—Female *Quiscalus quiscula* prefer four-song repertoires over single-song repertoires in an experimental design, even though wild males only sing one song type each. Female preferences for varied repertoires may pre-exist in birds even before males evolve such repertoires.—J.S.G.

- SEDDON, P. J., & Y. VAN HEEZIK. 1993. **Parent-offspring recognition in the Jackass Penguin.** J. Field Ornithol. 64: 27-31. (Natl. Wildl. Res. Ctr., Post Box 1086, Taif, Saudi Arabia.)—*Spheniscus demersus*.
- SEDDON, P. J., & Y. VAN HEEZIK. 1993. **Chick creching and intra-specific aggression in the Jackass Penguin.** J. Field Ornithol. 64: 90-95. (Natl. Wildl. Res. Ctr., Post Box 1086, Taif, Saudi Arabia.)—Suggest creching in *Spheniscus demersus* may confer protection against adult aggression.—R.A.I.
- SHANAHAN, D. 1992. **Notes on calls of breeding Connecticut Warblers.** Ontario Birds 10: 115-116. (Box 519, Brighton, ON K0K 1H0, Can.)—Previously undescribed call of *Oporornis agilis*, apparently made in response to disturbance near young.—M.K.M.
- SHARMA, S. K. 1990. **Nest transplants and behaviour of Blackthroated Weaverbird *Ploceus benghalensis*.** J. Bombay Nat. Hist. Soc. 87: 303-305. (World For. Arboretum, Jhalana Dungri, Jaipur 302 004, India.)
- SHEFFIELD, S. R. 1993. **Courtship displays between an Eastern and Western Kingbird in Cimarron County, Oklahoma.** Bull. Oklahoma Ornithol. Soc. 26: 5-6. (Dept. Zool., Oklahoma State Univ., Stillwater, OK 74078 USA.)—*T. tyrannus* and *T. verticalis*.
- SHORTEN, R., & K. BROWN. 1992. **Nocturnal roost behaviour of North Island Kokako.** Notornis 39: 124-125. (% For. Res. Inst., Private Bag 3020, Rotorua, New Zealand.)—*Callaeas cinerea*.
- SIMMONS, R., & J. MENDELSON. 1993. **Cartwheeling flights courtship display or aggression?** Austral. Raptor Assoc. News 14: 27-28. (Box 33, Huonville, Tas. 7109, Australia.)—The function of these whirling flights considered to be mainly aggression towards an intruder and least often courtship.—V.T.S.
- SLAGSVOLD, T. 1993. **Female-female aggression and monogamy in Great Tits *Parus major*.** Ornis Scand. 24: 155-158. (Univ. Oslo, Dept. Biol., Div. Zool., P.O. Box 1050, Blindern, N-0316 Oslo 3, Norway.)—Tested by presentation of caged females in territories during breeding season.—R.T.B.
- SLATER, P. J. 1993. **The relationship between individual variation in song and ecology in the Capricorn Silvereye.** Emu 93: 145-155. (Ctr. Biol. Popul. Manage., Queensland Univ. Technol., P.O. Box 2434, Brisbane, Qld. 4001, Australia.)—*Zosterops lateralis chlorocephala*.
- SMITH, J. I., & H.-T. YU. 1990. **The association between vocal characteristics and habitat type in Taiwanese passerines.** Zool. Sci. 9: 659-664. (Mus. Vert. Zool. & Dept. Integr. Biol., Univ. Calif., Berkeley, CA 94720 USA.)—12 bird species were studied in central Taiwan.—K.U.
- SMITH, J. 1992. **Co-operative breeding in the Chestnut-crowned Babbler *Pomatostomus ruficeps*.** Austral. Birds 25: 64-66. (Grad. Sch. Environ., Macquarie Univ., NSW 2109, Australia.)
- SMITH, L. E. 1991. **Aerial display of Red Goshawk *Erythrotriorchis radiatus*.** Austral. Bird Watcher 14: 147-148. (P.O. Box 142, Unanderra, NSW 2526, Australia.)—Mutual soaring and male stoop.—I.D.E.
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- (*Tadorna tadorna*.) J. Ornithol. 135: 95-100. (FB Biol./Chemie d. Univ., Barbarastr. 11, D-49076 Osnabrück, Germany.) (German, Engl. summ.)
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- LUNIAK, M. 1992. **The use of nest-boxes for the management of breeding avifauna in urban parks – studies in Warsaw and Poznan Poland.** Acta Ornithol. (Warsaw) 27: 3–19. (Mus. Inst. Zool. PAS, Wilcza 64, 00-679 Warszawa, Poland.)—Breeding of 14 species, in parks nest-boxes increased breeding population up to 100%. (Polish summ.)—J.P.
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- MALONEY, R., ET AL. 1993. **Survey of Fiordland Crested Penguins on Codfish Island.** Notornis 40: 223–225. (Dept. Conserv., Private Bag, Twizel, New Zealand.)—Three colonies, 134 nests, 259 individuals of *Eudyptes pachyrhynchus*.—E.O.M.
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- MCCLENNAN, J. A., & M. A. POTTER. 1992. **Distribution, population changes and management of Brown Kiwi in Hawke's Bay.** N. Z. J. Ecol. 16: 91–102. (Landcare Res. New Zealand Ltd., Private Bag 1401, Havelock North, New Zealand.)—*Apteryx australis mantelli* is declining, mostly because of predation by cats and stoats on chicks and the destruction of adults by possum hunters.—E.O.M.
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- MERTON, D. 1993. **The legacy of "Old Blue".** N. Z. J. Ecol. 16: 65–68. (Dept. Conserv., Box 10420, Wellington, New Zealand.)—All Chatham Island Black Robins *Petroica traversi* alive today are descended from a single female, Old Blue. This editorial is a tribute to Old Blue and a summary of the species rescue program.—E.O.M.
- MILLAR, C. J., & S. ANDERSON. 1992. **Impacts of aerial 1080 poisoning on the birds of Rangitoto Island, Hauraki Gulf, New Zealand.** N. Z. J. Ecol. 16: 103–107. (Dept. Conserv., Private Bag 701, Hokitika, New Zealand.)—No negative effect on birds.—E.O.M.
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- MOON, J. H. 1993. [Development and management of wintering geese in the Lower Rhine area of North Rhine-Westphalia/Germany.] Vogelwarte 37: 55-77. (% Naturschutzzentrum Kreis Wesel, Diersfordter Str. 9, DW- 4230 Wesel, Germany.) (German, Engl. summ.)
- MOONEY, N., & M. HOLDSWORTH. 1992. **Peregrine Falcons (*Falco peregrinus*) and racing pigeons (*Columba livia*) again.** Austral. Raptor Assoc. News 13: 47-48. (Box 33, Huonville, Tas. 7109, Australia.)—Many Peregrines and other raptors killed each year by pigeon fanciers. Some misconceptions are answered and advice given.—V.T.S.
- MOONEY, N. 1992. **Birds and prisoners working together.** Austral. Raptor Assoc. News 13: 47-48. (Box 33, Huonville, Tas. 7109, Australia.)—A unique program for Australian prisons—prisoner rehabilitation through raptor rehabilitation.—V.T.S.
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- MURPHY, E., & P. BRADFIELD. 1992. **Change in diet of stoats following poisoning of rats in a New Zealand forest.** N. Z. J. Ecol. 16: 137-140. (Dept. Conserv., Private Bag 68-908, Auckland, New Zealand.)—Poisoning of possums *Trichosurus vulpecula* with aerial drops of 1080-poison also reduced the numbers of ship rats *R. rattus*. Fewer rats meant that stoats *Mustela ermina* changed their diet from rats to birds.—E.O.M.
- NASH, S. V. 1993. **Concern about trade in Red-and-Blue Lorries.** Traffic Bull. 13: 93-96. (Locked Bag 911, Jln. Sultan P.O., 46990 Petaling Jaya, Selangor, Malaysia.)—*Eos histrio*.
- NOER, H. 1990. **Estimation of survival rates of Danish birds of prey before and after protection.** Ring 13: 75-86. (Natl. Environ. Res. Inst., Div. Wildl. Ecol., Kalø DK-8410 Rønde, Denmark.)
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- PÁLSDÓTTIR, K. 1992. [Domestic sheep eat wild bird eggs.] Bliki 12: 55-56. (Engidal, 641 Húsavík, Iceland.)—Eggs of *Pluvialis apricaria*, *Anas acuta*, and *Lagopus mutus* were recorded eaten by sheep on three occasions. (Icelandic, Engl. summ.)—A.P.
- PAQUIN, J. 1989. **Le MLCP vise l'élimination de 10,000 Cormoran à aigrettes.** QuébecOiseaux 1(1): 28. Ministère du Loisir, de la Chasse et de la Pêche plans to eliminate 10,000 Double-crested Cormorants, *Phalacrocorax auritus*, along the St-Lawrence River during the next 5 years. Species is credited with threatening ecological equilibrium of island estuarine habitats and species.—A.C.
- PARDE, J. M., & A. BONAVENTURE. 1991. **Notes on the status and management problems of Ptarmigan (*Lagopus mutus pyrenaicus* Hart.) in Comminges (Haut-Garonne, France).** Acta Biol. Mont. 10: 99-108. (AREMIP-AROMP, Mus. d'Hist. Nat., 31000 Toulouse, France.) (French.)
- PEARSON, P. E., & G. C. CLIMO. 1993. **Habitat use by Chatham Island Pigeons.** Notornis 40: 45-54. (4/13 Salisbury St., Christchurch, New Zealand.)—*Hemiphaga novaeseelandiae chathamensis* prefers mixed broadleaf forest but these forest remnants are degenerating rapidly because of browsing by cattle, sheep, pigs, and possums.—E.O.M.
- PELLANTOVÁ, J. 1993. [International Waterfowl Census in the Czech Republic.] C.S.O. News 36: 24-28. (ČÚOP, VaMP, Lidická 25/27, p.p. 120, Brno CZ-657 20, Czech Republic.)—Selected results from 1989-92. (Czech, Engl. summ.)—P.M.
- PERENNOU, C., & V. SANTHARAM. 1990. **An ornithological survey of some wetlands in south-east India.** J. Bombay Nat. Hist. Soc. 87: 354-363. (Lab. Biometrie, Univ. Lyon, 69622 Villeurbanne Cedex, France.)
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- PHILLIPS, J., ET AL. 1992. **Effects of burning and cutting on vegetation on the population of Willow Grouse *Lagopus lagopus* in Norway.** Fauna Norv. Ser. C, Cinclus 15: 37-42. (No address given.)
- PIPER, S. E. 1990. **Dispersal, nomadism and conservation in the Cape Vulture.** Ring 13: 217-218. (Dept. Surveying Mapping, Univ. Natal, King George V Ave., Durban 4001, Natal, S. Africa.)—*Gyps coprotheres*.
- PITTS, T. D., & J. A. COLLINS. 1991. **Use of wing molt patterns to determine juvenile/adult harvest ratios and to reconstruct nesting phenologies of Mourning Doves.** Migrant 62: 69-77. (Biol. Dept., Univ. Tennessee, Martin, TN 38238 USA.)—Study of 5466 *Zenaida macroura* wings harvested 1-5 Sep. 1988-1990 showed significant differences in proportion of juveniles harvested and suggested nest-

- ing peak in late May and early June in Tennessee.—R.B.C.
- POMPIDOR, J.-P. 1991. **Status and causes of deaths of diurnal raptors nesting in the eastern Pyrenees.** Acta Biol. Mont. 10: 123-134. (48, Av. 3 Ormes, 66680 Canohes, France.)—High diversity of species but with small numbers of each. Hunting accounted for more than half of 104 deaths. (French, Engl. summ.)—B.J.H.
- RAHMANI, A. R., & R. MANAKADAN. 1990. **The past and present distribution of the Great Indian Bustard *Ardeotis nigriceps* (Vigors) in India.** J. Bombay Nat. Hist. Soc. 87: 175-194. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—Extensive survey between 1981 and 1987 as well as historical records.—M.V.H.
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- RIMMER, C. C., J. L. ATWOOD, & L. R. NAGY. 1993. **Bicknell's Thrush: a northeastern songbird in trouble?** Bird Obs. (Massachusetts) 21: 84-89. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Discusses taxonomic status, distribution, and conservation of *Catharus minimus bicknelli*.—W.E.D.
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- ROBINSON, G. R., & S. N. HANDEL. 1993. **Forest restoration on a closed landfill: rapid addition of new species by bird dispersal.** Conserv. Biol. 7: 271-278. (Dept. Biol. Sci., Rutgers Univ., Piscataway, NJ 08855 USA.)—71% of plant species colonizing inactive landfill after one year were bird-dispersed species.—J.R.K.
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- SEITRE, R., & J. SEITRE. 1992. **Causes of land-bird extinctions in French Polynesia.** Oryx 26: 215-222. (Le Bourg, 37370 Marray, France.)—Major factors are hunting, habitat destruction, and predation by introduced rats (*R. rattus*).—N.W.G.
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- SONERUD, G. A. 1993. **Reduced predation by nest box relocation: differential effect on Tengmalm's Owl nests and artificial nests.** *Ornis Scand.* 24: 249-253. (Dept. Biol. & Nat. Conserv., Agric. Univ. Norway, P.O. Box 14, N-1432 Ås, Norway.)—Test of hypothesis that predation frequency by *M. martes* on nests of *Aegolius funereus* rises with cavity age as result of long-term spatial memory of predator.—R.T.B.
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- TEMPLE, S. A. 1992. **Exotic birds; a growing problem with no easy solution.** *Auk* 109: 395-397. (Dept. Wildl. Ecol., Univ. Wisconsin, Madison, WI 53706 USA.)—Effects of majority of 97 species in USA negative. Study, education, and control needed.—P.A.P.
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- VANDERBURGH, D. C. 1993. **Manitoba Hydro accommodates Osprey activity.** *Blue Jay* 51: 173-176. (125 Dunfield Ave., Dauphin, MB R7N 0P1, Can.)—*Pandion haliaetus*.
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- WOEHLER, E. J. 1993. Antarctic seabirds: their status and conservation in the A.A.T. *RAOU Conserv. State* 9: 1-8. (R.A.O.U., 21 Gladstone St., Moonee Ponds, Vic. 3039, Australia.)—The factors affecting breeding populations of ten species of seabirds in the Australian Antarctic Territory (AAT) are described together with present and future conservation issues.—V.T.S.
- WON, P. O. 1993. [Conservation of Baikal Teal.] *Nat. Conserv.* 81: 13-16. (Dept. Biol., Kyung-Hee Univ., Seoul 130-701, Republic of Korea.)—Approximately 20,000 wintering *Anas formosa* have been found in South Korea every year since 1987. The main wintering area is Ju-Nam Reservoir, Kyung-Sang-Nam-Do. This area is designated a "no-shooting area" by the county office. In 1993, a strong population, 30,000-35,000, was also found in Sab-Kyo reservoir, Choong-Chung-Nam-Do. (Korean.)—J.C.Y.
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- ZONFRILLO, B. 1992. The menace of low-flying aircraft to seabirds on Ailsa Craig. *Scottish Bird News* 28: 4. (% S. Laing, SOC, 21 Regent Terr., Edinburgh EH7 5BT, UK.)—Describes two incidents at breeding colony.—P.J.C.

Special Publications

- DANN, P., & R. JESSOP (EDS.). 1992. Second International Conference on Penguins. *Corella* 16: 135-

- 154.—Abstracts and Posters from the conference held at Cowes, Phillip Island, Australia, 24–28 August.—Titles listed below.—I.D.E.
- AGNEW, D. J., & K. R. KERRY. 1992. **Sexual dimorphism in penguins.** *Corella* 16: 135. (Comm. Conserv. Antarct. Mar. Living Resour., 25 Old Wharf Rd., Hobart, Tas. 7001, Australia.)—Degree of sexual dimorphism varies within each of six genera.—I.D.E.
- AINLEY, D. G., N. NUR, & E. J. WOEHLE. 1992. **Factors affecting rookery size and dispersion among pygoscelid penguins in Antarctica.** *Corella* 16: 137–138. (Pt. Reyes Bird Obs., Stinson Beach, CA 94970 USA.)
- BANNASCH, R. 1992. **Hydrodynamics of penguins: an experimental approach.** *Corella* 16: 138. (0-1136 Berlin, Ribbecker Str. 1, Germany.)—*Pygoscelis antarctica*, *P. adeliae*, *P. papua*.
- BOERSMA, P. D., & D. L. STOKES. 1992. **Asynchronous hatching, size asymmetry, and chick survival in the Magellanic Penguin *Spheniscus magellanicus*.** *Corella* 16: 138. (Inst. Environ. Stud. & Dept. Zool., Univ. Seattle, WA 98195 USA.)
- BROSSY, J. J. 1992. **An overview of haemoparasites in Jackass Penguins *Spheniscus demersus*.** *Corella* 16: 139. (Dept. Anat. & Cell Biol., Univ. Cape Town, S. Africa.)
- CANNELL, B. L. 1992. **Feeding behaviour of Little Penguins *Eudyptula minor* in captivity.** *Corella* 16: 139. (Dept. Ecol. Evol. Biol., Monash Univ. Clayton, Vic. 3168, Australia.)
- CHAMBERS, L. E. 1992. **How many Little Penguins are there?** *Corella* 16: 139. (4 Chevalier Cres., Mooroolbark, Vic. 3138, Australia.)—*Eudyptula minor*.
- CHAPPELL, M. A., ET AL. 1992. **Reproductive effort in Adelie Penguins *Pygoscelis adeliae* at Palmer Station, Antarctica.** *Corella* 16: 139–140. (Biol. Dept., Univ. California, Riverside, CA 92521, USA.)
- CLARKE, J. R., & K. R. KERRY. 1992. **Foraging ranges of Adelie Penguins as determined by satellite tracking.** *Corella* 16: 140. (Austral. Antarct. Div., Kingston, Tas. 7050, Australia.)—*Pygoscelis adeliae*.
- COLLINS, M. G. 1992. **Seasonal foraging movements of the Little Penguin as determined by radio-tracking.** *Corella* 16: 140. (Penguin Reserve Committee Manage., P.O. Box 97, Cowes, Vic. 3922, Australia.)—*Eudyptula minor*.
- COOPER, J., P. J. SEDDON, & Y. M. VAN HEEZIK. 1992. **Annual breeding in the King Penguin.** *Corella* 16: 140–141. (FitzPatrick Inst. African Ornithol., Univ. Cape Town, Rondebosch 7700, S. Africa.)—*Aptenodytes patagonicus*.
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- BEAUVAIS, G., J. H. ENDERSON, & A. J. MAGRO. 1992. **Home range, habitat use and behavior of Prairie Falcons wintering in east-central Colorado.** *J. Raptor Res.* 26: [13-18.] (Dept. Biol., Colorado Coll., Colorado Springs, CO 80903 USA.)—One female and 17 male *Falco mexicanus* were radio-tracked for 17-70 days; home range was much less than reported breeding range. Falcons preyed almost entirely on Horned Larks (*Eremophila alpestris*).—J.A.S.
- BELLAVITA, M., & A. SORACE. 1991. **Date of laying, clutch size and second brood percentage in Great Tit *Parus major* and Blue Tit *Parus caeruleus* in the Natural Reserve "Monte Rufeno" (VT, Central Italy).** *Avocetta* 15: 43-49. (Ris. Nat. "Monte Rufeno", % Comune Acquapendente, 01021 Acquapendente-VT, Italy.)
- BENDEL, P. R., & G. D. THERRES. 1993. **Differential mortality of Barn Owls during fledging from marsh and off-shore nest sites.** *J. Field Ornithol.* 64: 326-330. (P.O. Box 68, Wye Mills, MD 21679 USA.)—100% *Tyto alba* initial flight survival from marsh locations vs. 16.7% from off-shore nest boxes.—R.A.I.
- BERG, A., T. LINDBERG, & K. G. KALLEBRINK. 1992. **Hatching success of Lapwings on farmland: differences between habitats and colonies of different sizes.** *J. Anim. Ecol.* 61: 469-476. (Dept. Wildl. Ecol., Swedish Univ. Agric. Sci., Box 7002, S-750 07 Uppsala, Sweden.)—Nest losses of *V. vanellus* were due to farming operations (85%) and predators (14%). Predation risk decreased with increasing colony size.—R.A.N.
- BEZZEL, E. 1993. [Monitoring and "singularities": was 1992 a good breeding season?] *J. Ornithol.* 134: 199-204. (Int. Vogelkunde, Gsteigstr. 43, DW-8100 Garmisch-Partenkirchen, Germany.) (German, Engl. summ.)
- BLONDEL, J., R. PRADEL, & J.-D. LEBRETON. 1992. **Low fecundity insular Blue Tits do not survive better as adults than high fecundity mainland ones.** *J. Anim. Ecol.* 61: 205-213. (Ctr. d'Ecol. Fonctionnelle Evol., CNRS, B.P. 5051, 34033 Montpellier Cedex, France.)—A capture-recapture study of *Parus caeruleus*.—R.A.N.
- BOCK, C. E., ET AL. 1992. **Field experimental evidence for diffuse competition among southwestern riparian birds.** *Am. Nat.* 140: 815-828. (Dept. EPO Biol., Univ. Colorado, Boulder, CO 80309-0334 USA.)—Open-nesting birds responded negatively to areas with increased nest box use.—J.R.F.
- BORTOLOTTI, G. R., & K. L. WIEBE. 1993. **Incubation behaviour and hatching patterns in the American Kestrel *Falco sparverius*.** *Ornis Scand.* 24: 41-47. (Dept. Biol., Univ. Saskatchewan, Saskatoon, SK S7N 0W0, Can.)—2-year study of ca. 170 nest boxes plus intense behavioral data collection from five pairs.—R.T.B.
- BRAUNING, D. W., & B. PEEBLES. 1992. **Recent history and current status of nesting Bald Eagles, *Haliaeetus leucocephalus*, in Pennsylvania.** *Pennsylv.*

- vanian Birds 6: 2-5. (RR2, Box 484, Montgomery, PA 17752 USA.)—95 nestling eagles hacked/fostered 1983-1988; marked increase in the number of nesting pairs and fledged young/nest since about 1988.—R.S.M.
- BREININGER, D. R., & R. B. SMITH. 1992. **Relationships between fire and bird density in a coastal scrub and slash pine flatwoods in Florida.** *Am. Midl. Nat.* 127: 233-241. (Bionetics Corp., NASA Biomed. Operations & Res. Office, Mail Code BIO-2, Kennedy Space Ctr., FL 32899 USA.)
- BREWSTER, C. A. 1992. **Notes on the effect of drought on birds in the Sefhare area from February-September 1992.** *Babbler* 24: 31-32. (Private Bag 002, Sefhare, Botswana.)
- BRICHETTI, P., & C. MARIO. 1992. **[Breeding biology of Swallow in a farm in the central Po River plain.]** *Riv. Piem. St. Nat.* 13: 73-87. (Gruppo Ricerche Avifauna (GRA), Mus. Civico Sci. Nat., via Ozanam 4, I-25128 Brescia, Italy)—Reports on the time of nest building, clutch size, hatching rate and fledging rate in *Hirundo rustica*. (Italian, Engl. summ.)—G.E.
- BRIGGS, S. V., S. A. THORNTON, & P. F. HODGSON. 1993. **Characteristics of river red gums used by nesting waterbirds.** *Austral. Birds* 27: 12-21. (CSIRO, P.O. Box 84, Lyneham, ACT 2602, Australia.)—Many waterbirds nest in live gums except Great Cormorants *Phalacrocorax carbo* who use dead gums, at wetlands flooded semi-permanently.—R.S.H.
- BRIGGS, S. V. 1993. **A review of seasonal declines in clutch size of waterfowl (Anatidae) in the northern and southern hemispheres.** *Ornis Fennica* 70: 1-10. (Natl. Pk. & Wildl. Serv. (SW), C/Div. Wildl. & Ecol., CSIRO, P.O. Box 84, Lyneham, ACT 2602, Australia.)—Clutch sizes declined faster at higher latitudes (>50°) than at middle latitudes (30°-49°).—H.P.
- BRIGHAM, M. R., & R. M. R. BARCLAY. 1992. **Lunar influence on foraging and nesting activity of Common Poorwills (*Phalaenoptilus nuttallii*).** *Auk* 109: 315-320. (Dept. Biol., Univ. Regina, Regina, SK S4S 0A2, Can.)—Foraging activity positively correlated only with moon height, nesting activity unsynchronized.—P.A.P.
- BROCCIERI, L., C. MATESSI, & G. MARIN. 1992. **Inference of pair bonds from capture data based on low variation of the sex ratio among catches.** *Am. Nat.* 140: 492-508. (Inst. Genet. Biochim. Evol., C.N.R., Via Abbiategrasso 207, 27100 Pavia, Italy.)—Propose statistical procedure that uses counts by sex to detect presence of pairs and estimates proportion of paired individuals in population.—J.R.F.
- BROOKER, M. G., & I. ROWLEY. 1991. **Impact of wildfire on the nesting behavior of birds in heathland.** *Wildl. Res.* 18: 249-263. (CSIRO Div. Wildl. & Ecol., LMB No. 4, Midland, WA 6056, Australia.)—The effects of a series of wildfires on the breeding behavior of heath-dwelling birds is examined near Perth, Western Australia. Their responses to fire varied but few benefited from repeated burning.—M.G.B.
- BROWN, A. W., & L. M. BROWN. 1992. **Development of an internationally important Pink-footed Goose roost at West Water Reservoir, Borders Region, 1966-1990.** *Scottish Birds* 16: 260-268. (61 Watt's Gardens, Cupar, Fife KY15 4UG, UK.)—*Anser brachyrhynchus*, SE Scotland.—P.J.C.
- BURGER, A. E., ET AL. 1993. **Diving depths, diet, and underwater foraging of Rhinoceros Auklets in British Columbia.** *Can. J. Zool.* 71: 2528-2540. (Biol. Dept., Univ. Victoria, Victoria, BC V8W 2Y2, Can.)—*Cerorhinca monocerata*.
- BURNS, K. J., & S. J. HACKETT. 1993. **Nest and nest-site characteristics of a western population of Fox Sparrows (*Passerella iliaca*).** *Southwest. Nat.* 38: 277-279. (Mus. Vert. Zool., Univ. California, Berkeley, CA 94720 USA.)
- CAMP, R. J., R. L. KNIGHT, & J. FREILICH. 1993. **Common Raven populations in Joshua Tree National Monument, California.** *West. Birds* 24: 198-199. (Dept. Fish. Wildl. Biol., Colorado St. Univ., Fort Collins, CO 80523 USA.)—*Corvus corax* has increased along highways but not in pristine areas.—L.C.B.
- CARTER, J. 1992. **Nesting success of Eastern Bluebirds in Myles Standish State Forest.** *Bird Obs. (Massachusetts)* 20: 196-200. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Presents data on nesting success for *Sialia sialis* 1984-1991.—W.E.D.
- CHEN, Y. 1992. **[New discovery of the reproduction building [sic] soil burrow nest of Black-naped Green Woodpecker.]** *Zool. Res.* 13: 312. (Zulaishan For. Ctr., Shandong Prov., Taian 271000, China.) Egg-laying and incubation of *Picus canus* in burrow nest. (Chinese.)—C.L.H.
- CHO, S., & P. WON. 1990. **[Wintering ecology of Hooded Crane *Grus monacha* Temminck in Korea.]** *Bull. Inst. Ornithol., Kyung Hee Univ.* 3: 1-22. (Inst. Ornithol., Kyung Hee Univ., Seoul 130-701, Korea.)—Diet, population dynamics, and factors causing disturbance to cranes in western Taegu Region. (Korean, Engl. summ.)—M.R.E.
- CHRISTMAS, S. E., ET AL. 1990. **Ringling studies of urban and rural populations of Tufted Ducks, *Aythya fuligula*, and Pochard, *Aythya ferina*.** *Gerfaut* 80: 127-139. (Dept. Immunol., R. Liverpool Hospital, P.O. Box 147, Liverpool L69 3BX, UK.)—Study of populations in Great Britain.—J.I.
- CLUTTON-BROCK, T. H., & G. A. PARKER. 1992. **Potential reproductive rates and the operation of sexual selection.** *Q. Rev. Biol.* 67: 437-456. (Large Anim. Res. Group, Dept. Zool., Univ. Cambridge, Downing St., Cambridge CB2 3EJ, UK.)—Evaluate models that relate sex differences in mating competition to operational sex ratio, potential repro-

- ductive rates, and parental expenditure. Differs from analysis of Trivers in important respects.—J.S.G.
- COLWELL, M. A., & R. J. COOPER. 1993. **Estimates of coastal shorebird abundance: the importance of multiple counts.** *J. Field Ornithol.* 64: 293–301. (Wildl. Dept., Humboldt State Univ., Arcata, CA 95521 USA.)—Four sequential 30-min counts at Humboldt Bay, CA during November and February reveal a high percent bias (15–78) for any one count and the need to identify optimal observation times based on tides.—R.A.I.
- CONRAD, K. F., & R. J. ROBERTSON. 1993. **Clutch size in Eastern Phoebe (*Sayornis phoebe*). I. The cost of nest building.** *Can. J. Zool.* 71: 1003–1007. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—Energy spent building nests was not related to clutch size or nest success, nor to the probability of a second clutch.—C.D.M.
- CONRAD, K. F., & R. J. ROBERTSON. 1993. **Clutch size in Eastern Phoebe (*Sayornis phoebe*). II. Age effects and seasonal variation.** *Can. J. Zool.* 71: 1738–1742. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—Young females had lower reproductive values than older birds; presence of this might obscure seasonal changes in performance of older birds if age was not identified as a source of variation.—C.D.M.
- CORDERO, P. J., & J. D. SUMMERS-SMITH. 1993. **Hybridization between House and Tree Sparrow (*Passer domesticus*, *P. montanus*).** *J. Ornithol.* 69–77. (Inst. Pirenaico Ecol. C.S.I.C., Aptdo. 64, E-22700 Jaca (Huesca), Spain.)
- CORDERO, P. J. 1992. **Nest-site and breeding success of the Wren *Troglodytes troglodytes* inside human habitations.** *Ring. & Migr.* 13: 122–124. (Inst. Pirenaico Ecol., Cons. Superior Invest. Cient., Apdo. 64, 22700 Jaca (Huesca), Spain.)
- DANCY, H. E. 1993. **A pair of subadult Cooper's Hawks nest in Indiana.** *Indiana Audubon Q.* 71: 26–34. (314 Salem Ct., Valparaiso, IN 46383 USA.)—*Accipiter cooperii*.
- DAVIES, N. B., & B. J. HATCHWELL. 1992. **The value of male parental care and its influence on reproductive allocation by male and female Dunnocks.** *J. Anim. Ecol.* 61: 259–272. (Dept. Zool., Univ. Cambridge, Downing St., Cambridge CB2 3EJ, UK.)—Male *Prunella modularis* chose the option which led to greatest reproductive success.—R.A.N.
- DAVIS, L. D., & G. D. MILLER. 1992. **Satellite tracking of Adélie Penguins.** *Polar Biol.* 12: 503–506. (Dept. Zool., Univ. Otago, P.O. Box 56, Dunedin, New Zealand.)—Swimming at average speeds of 1.2 m s⁻¹, four female *Pygoscelis adeliae* foraged at different sites up to 270 km from a common rookery at Cape Bird, Ross Island, Antarctica; individual foraging distances ranged from 550–1120 km per trip.—J.C.H.
- DAVIS, W. E., JR. 1992. **Are accipiter populations in winter affected by bird feeders?** *Bird Obs. (Massachusetts)* 20: 253–257. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Suggests that concentrated food resources at feeders may support increased accipiter populations.—W.E.D.
- DAY, K. S., L. D. FLAKE, & W. L. TUCKER. 1991. **Characteristics of Wild Turkey nest sites in a mixed-grass prairie-oak-woodland mosaic in the northern Great Plains, South Dakota.** *Can. J. Zool.* 69: 2840–2845. (Dept. Wildl. & Fish. Sci., South Dakota State Univ., Brookings, SD 57007 USA.)—*Meleagris gallopavo*.
- DHONDT, A. A., B. KEMPENAERS, & F. ADRIAENSEN. 1992. **Density-dependent clutch size caused by habitat heterogeneity.** *J. Anim. Ecol.* 61: 643–648. (Dept. Biol., Univ. Antwerp, UIA, B-2610 Wilrijk, Belgium.)—Study on *Parus caeruleus* supports the hypothesis that density dependence is caused by habitat heterogeneity at the scale of the home range or territory of an individual.—R.A.N.
- DONE, C., & G. GRAHAM. 1993. **Parry Lagoons.** *Land-scope* 8: [19–21.] (Dept. Conserv. Land Manage., 50, Hayman Rd., Como, WA 6152, Australia.)—Nature reserve near Wyndham, West. Australia with variety of birdlife due to dramatic environmental extremes.—V.T.S.
- DOWSETT-LEMAIRE, F. 1989. **Food plants and annual cycle in a montane community of sunbirds *Nectarinia spp.* in northern Malawi.** *Tauraco* 1: 167–185. (R. Bois de Breux 194, B-4500 Jupille-Liege, Belgium.)—Description of habitat preferences and breeding cycles of this community.—M.R.E.
- DUFOUR, K. W., & P. J. WEATHERHEAD. 1991. **A test of the condition-bias hypothesis using Brown-headed Cowbirds trapped during the breeding season.** *Can. J. Zool.* 69: 2686–2692. (Dept. Biol., Carleton Univ., Ottawa, ON K1S 5B6, Can.)—*Molothrus badius*.
- DUNN, E. H., & D. L. TESSAGLIA. 1994. **Predation on birds at feeders in winter.** *J. Field Ornithol.* 65: 8–16. (Can. Wildl. Serv., Natl. Wildl. Res. Ctr., Hull, PQ K1A 0H3, Can.)—Report *Accipiter striatus*, *A. cooperii*, and domestic cats account for 80% of the 1138 incidents.—R.A.I.
- DUNN, E. H. 1992. **Is winter bird feeding good for birds?** *Bird Obs. (Massachusetts)* 20: 308–312. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Evidence suggests that winter feeding does not substantially upset natural ecological systems.—W.E.D.
- DUNN, E. H. 1993. **Bird mortality from striking residential windows in winter.** *J. Field Ornithol.* 64: 302–309. (Can. Wildl. Serv., Natl. Wildl. Res. Ctr., Ottawa, ON K1A 0H3, Can.)—Reports one or more deaths in 9.2% of 5500 surveyed homes.—R.A.I.
- EADIE, J. M., & J. M. FRYZELL. 1992. **Density dependence, frequency dependence, and alternative nesting strategies in Goldeneyes.** *Am. Nat.* 140: 621–641. (Div. Life Sci., Scarborough Campus, Univ. Toronto, Scarborough, ON M1C 1A4, Can.)—Mod-

- el for intraspecific brood parasitism in *Bucephala islandica*.—J.R.F.
- EASON, P. 1992. **Optimization of territory shape in heterogeneous habitats: a field study of the Red-capped Cardinal (*Paroaria gularis*)**. J. Anim. Ecol. 61: 411-424. (Wild. Conserv. Lab., Natl. Inst. Environ. Studies, Onogawa, Tsukuba, Ibaraki 305, Japan.)—Costs of defense may result in suboptimal foraging territories.—R.A.N.
- EBBINGE, B. S. 1992. **Regulation of numbers of Dark-bellied Brent Geese *Branta bernicla bernicla* on spring staging sites**. Ardea 80: 203-228. (IBN-DLO, P.O. Box 9201, 6800 HB Arnhem, Netherlands.)—Observations on two islands in Dutch Wadden Sea during 1975-1991. Intraspecific competition on (natural) salt marshes stronger than on (man-made) improved grassland. Saltmarshes are preferred habitat.—H.W.d.N.
- EGUCHI, K., ET AL. 1989. **[Altitudinal distribution of forest birds in the Yaku-shima Island, Kagoshima Prefecture, Japan. I. Breeding season.]** Japan. J. Ecol. 39: 53-65. (Dept. Biol., Fac. Sci., Kyushu Univ., Fukuoka 812, Japan.) (Japanese Engl. summ.)
- EGUCHI, K., ET AL. 1992. **Altitudinal distribution of forest birds in the Yaku-shima Island, Kagoshima Prefecture, Japan. II. Non-breeding season**. Japan. J. Ecol. 42: 107-113. (Dept. Biol., Fac. Sci., Kyushu Univ., Fukuoka 812, Japan.)—Seed- or fruit-eaters and ground-foraging insectivores were characteristically winter visitors, whereas canopy-foraging insectivores were characteristically summer visitors. (Japanese, Engl. summ.)—Y.E.
- EICHHORST, B. A. 1992. **Analysis of Western Grebe banding and recovery data**. N. Am. Bird Bander 17: 108-115. (Dept. Biol., Box 8238, Univ. North Dakota, Grand Forks, ND 58202 USA.)—*Aechmophorus occidentalis/clarkii* breeding in Manitoba primarily winter from British Columbia to southern California; reports sight record of a nasal-tagged bird at least 13 years old.—R.B.C.
- EISFELD, D., P. STRÖDE, & E. OPHOVEN. 1991. **[The recolonisation of the Black Forest by the Raven *Corvus corax* L.]** Ökol. Vögel 13: 125-135. (Arb.-Bereich Wildökol., Univ. Freiburg, Fohrenbühl 27, D-(W)7801 Stegen-Wittental, Germany.)—First breeding in 1966, after 70 years of absence. (German, Engl. summ.)—H.-H.W.
- ELSTRODT, W., & H. ZUCCHI. 1991. **[Spatial and temporal habitat utilization and breeding biology of Grey Wagtail (*Motacilla cinerea* Tunstall 1771).]** Ökol. Vögel 13: 159-179. (FB Biol., Univ. Osnabrück, PF: 44 69, D-(W)4500 Osnabrück, Germany.)—Three pairs were observed. (German, Engl. summ.)—H.-H.W.
- ENS, B. J., ET AL. 1992. **Territory quality, parental effort and reproductive success of Oystercatchers (*Haematopus ostralegus*)**. J. Anim. Ecol. 61: 703-715. (DLO Inst. For. Nat. Res., P.O. Box 167, 1790 AD Den Burg, Netherlands.)—The number of chicks raised is related to territory quality rather than to parental effort.—R.A.N.
- ESLER, D. 1992. **Habitat use by piscivorous birds on a power plant cooling reservoir**. J. Field Ornithol. 63: 241-249. (USF & WS, 1011 E. Tudor Rd., Anchorage, AK 99503 USA.)
- ESTRADA, J., & A. CURCO. 1991. **[The Black-bellied Sandgrouse *Pterocles orientalis* and Pin-tailed Sandgrouse *Pterocles alchata* in Catalonia: past trends and present status.]** Butll. GCA 8: 1-8. (Maresme 159, 5^a 1^a, 08020 Barcelona, Spain.) (Catalan, Engl. summ.)
- FALARDEAU, G., & J.-L. DESGRANGES. 1991. **[Sélection de l'habitat et fluctuations récentes des populations d'oiseaux des milieux agricoles du Québec.]** Can. Field-Nat. 105: 469-482. (Serv. Can. Faune, C. P. 10100, Ste-Foy, PQ G1V 4H5, Can.)—Breeding bird survey trends of farmland birds in Quebec. Significant population increases for 10 of the 28 species studied, decreases for 6. (French, Engl. summ.)—D.L.E.
- FARRELL, J. R., & J. W. HARDY. 1993. **Survival, seasonal abundance, sex ratio and diet of Eastern Spinebills *Acanthorhynchus tenuirostris* in the Blue Mountains, New South Wales**. Corella 17: 33-40. (73 Ellison Rd., Springwood, NSW 2777, Australia.)—Winter influx of passage birds, not food related.—I.D.E.
- FERNÁNDEZ, C. 1992. **Nest material supplies in the Marsh Harrier *Circus aeruginosus*: sexual roles, daily and seasonal activity patterns and rainfall influence**. Ardea 80: 281-284. (Soc. Ugarrá, Tafalla 34 4^o, 31003 Pamplona, Spain.)
- FERRER, X., A. MOTIS, & S. J. PERIS. 1991. **Changes in the breeding range of starlings in the Iberian Peninsula during the last 30 years: competition as a limiting factor**. J. Biogeogr. 18: 631-636. (Dept. Biol. Anim. (Vertebr.), Fac. Biol., Univ. Barcelona, 08028 Barcelona, Spain.)—*Sturnus* spp.
- FLANAGAN, T. J. 1993. **Recolonization of the Common Raven in Berkshire County, Massachusetts**. Bird Obs. (Massachusetts) 21: 197-204. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Traces increase in active *Corvus corax* nests 1983-1992.—W.E.D.
- FORSLUND, P., & K. LARSSON. 1992. **Age-related reproductive success in the Barnacle Goose**. J. Anim. Ecol. 61: 195-204. (Uppsala Univ., Dept. Zool., Box 561, S-751 22 Uppsala, Sweden.)—Individuals of *Branta leucopsis* increase their reproductive success and effort with age.—R.A.N.
- FRADETTE, P. 1992. **Les oisax des Iles-de-la-Madeleine: populations et sites d'observation**. Attention Frag'iles—Mouvement pour la valorisation du patrimoine nat. Iles, Cap aux Meules, Iles-de-la-Madeleine. 292 pages.—Distribution and populations of birds, including historic records since 1534, at Magdalen Islands, Gulf of St-Lawrence, Québec. More than 84 birding spots described along with

- accounts of 300 species censused to date. CDN\$24.95—A.C.
- FRANKIS, M. P. 1991. **Kruper's Nuthatch *Sitta krueperi* and Turkish Pine *Pinus brutia*: an evolving association?** Sandgrouse 13: 92-97. (21 Jesmond Pk. W., Newcastle upon Tyne NE7 7BU, UK.)
- FRASER, W. R., W. Z. TRIVELPIECE, & D. G. AINLEY. 1992. **Increases in Antarctic penguin populations: reduced competition with whales or a loss of sea ice due to environmental warming?** Polar Biol. 11: 525-532. (PRBO, 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Decadal increases in *Pygoscelis antarctica* are proposed to be due to a gradual decrease in frequency of cold years with extensive sea ice cover during winter (caused by environmental warming) rather than by increased prey stocks made available by population declines in baleen whales.—J.C.H.
- FRITH, C. B., & D. W. FRITH. 1993. **Notes on birds found nesting at Iron Range, Cape York Peninsula, November-December 1990.** Sunbird 23: 44-58. (P.O. Box 581, Malanda, Qld. 4885, Australia.)—Nesting activity of 37 species at Iron Range, and an annotated list of 41 species, including 13 endemic to northern Cape York vine forests.—M.T.C.
- FUKUDA, M. 1991. [Notes on banded Tree Sparrows, *Passer montanus*, at Ueno Zoological Gardens, Tokyo.] Bull. JBBA 6: 68-72. (Ueno Zool. Gardens, Ueno Park, Taito-ku, Tokyo 110, Japan.)—High adult survival and juvenile dispersal. (Japanese, Engl. summ.)—M.R.E.
- FULLER, R. J., & A. C. B. HENDERSON 1992. **Distribution of breeding songbirds in Bradfield Woods, Suffolk, in relation to vegetation and coppice management.** Bird Study 39: 73-88. (BTO, The Nunnery, Thetford, Norfolk IP24 2PU, UK.)
- GARRISON, B. A. 1993. **Distribution and trends in abundance of Rough-legged Hawks wintering in California.** J. Field Ornithol. 64: 566-574. (California Dept. Fish & Game, 1416 Ninth St., Sacramento, CA 95814 USA.)—*Buteo lagopus*.
- GAUTHIER, M., & D. W. THOMAS. 1993. **Succès relatif de deux tentatives consécutives de nidification chez l'Hirondelle à front blanc (*Hirundo pyrrhonota*) à Sherbrooke, Québec.** Can. J. Zool. 71: 1055-1059. (Dépt. Biol., Univ. Sherbrooke, Sherbrooke, PQ J1K 2R1, Can.)—This is the northernmost location from which second nests are reported for Cliff Swallows. Success was 1.84 ± 0.17 fledged young from first nests, and 0.4 ± 0.17 for second nests.—C.D.M.
- GAUTHIER, M., & D. W. THOMAS. 1993. **Nest site selection and cost of nest building by Cliff Swallows (*Hirundo pyrrhonota*).** Can. J. Zool. 71: 1120-1123. (Dépt. Biol., Univ. Sherbrooke, Sherbrooke, PQ J1K 2R1, Can.)
- GEERING, D. J. 1993. **The effect of drought-breaking rain on the re-establishment of egret colonies in north coastal New South Wales.** Corella 17: 47-51. (Wetland Ctr., Shortland, P.O. Box 130, Wallsend, NSW 2328, Australia.)—*Ardeola ibis* responded more quickly than *Egretta alba*, *E. intermedia*, and *E. garzetta*.—I.D.E.
- GEERING, D. J. 1993. **Concentration of Whistling Kites at a northern NSW egret colony.** Austral. Birds 26: 89-90. (2/10 Chifley Dr., Raymond Terr., NSW 2324, Australia.)—*Haliastur sphenurus* in large numbers at *Egretta ibis* colony during peak fledging period.—R.S.H.
- GENARD, M., & F. LESCOURRET. 1990. **Bird communities and landscape in a Pyrenean valley, France.** Gerfaut 80: 107-125. (CRA Avignon, Stn. d'Agon., Domaine St. Paul, BP 91, F-84143 Montfavet Cedex, France.)
- GERDES, K. 1994. [Long-term and short-term changes of geese numbers (*Anser fabalis*, *A. albifrons*, *A. anser* and *Branta leucopsis*) near the Dollart and their ecological correlations.] Vogelwarte 37: 157-178. (Mozartstr. 20, D-26789 Leer, Germany.) (German, Engl. summ.)
- GERRARD, J. M., ET AL. 1993. **Water-bird population changes in 1976-1990 on Besnard Lake, Saskatchewan: increases in loons, gulls, and pelicans.** Can. J. Zool. 71: 1681-1686. (Manitoba Inst. Cell Biol., 100 Olivia St., Winnipeg, MB R3E 0V9, Can.)
- GIBLETT, R. 1993. **Outer city sanctuary.** Landscape 8: 35-38. (Dept. Conserv. Land Manage., 50 Hayman Rd., Como, WA 6152, Australia.)—Forrestdale Lake recognized as a habitat for waterbirds, flora, and fauna.—V.T.S.
- GIEROW, M. 1992. [Increase of Osprey, decline of Black-throated Diver.] Anser 31: 267-268. (Getinge. 58A, S-222 41 Lund, Sweden.)—Population of *Pandion haliaetus* in Skåne, South Sweden doubled since late 1970s while *Gavia arctica* decreased. (Swedish, Engl. summ.)—M.E.
- GIEROW, M. 1992. [Decrease of the Rook again?] Anser 31: 268. (Getinge. 58A, S-222 41 Lund, Sweden.)—*Corvus frugilegus* in Skåne, South Sweden., increase since the 1960s halted. (Swedish, Engl. summ.)—M.E.
- GILLILAND, B. F., & J. S. GILLILAND. 1993. **Fledgling Robin (*Turdus migratorius*) killed by bullfrog (*Rana catesbeiana*).** Alabama Birdlife 40(2): 5-6. (Rte. 2, Box 91-C, Empire, AL 35063 USA.)
- GITAY, H., A. D. FOX, & S. C. RIDGILL. 1990. **Survival estimates of Teal *Anas crecca* ringed at three stations in Britain.** Ring 13: 45-58. (Wildfowl & Wetlands Trust, Slimbridge, Gloucester GL2 7BT, UK.)
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- two instances of turkey eggs in experimental nests containing chicken *G. gallus* eggs.—R.B.C.
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- HOWES, L.-A., & W. A. MONTEVECCHI. 1993. **Population trends and interactions among terns and gulls in Grôns Morne National Park, Newfoundland.** *Can. J. Zool.* 71: 1516-1520. (Psychol. & Biol. Depts., Memorial Univ. Newfoundland, St. John's, NF A1B 3X9, Can.)—Twenty year history. Tern populations increased despite low productivity. Gulls also increased substantially.—C.D.M.
- HULSCHER, J. 1990. **Survival of Oystercatchers during hard winter weather.** *Ring* 13: 167-172. (Zool. Lab. Univ. Groningen, P.O. Box 14, 9750 AA Haren, Netherlands.)—*Haematopus ostralegus*.
- HUNT, G. L., JR., D. HEINEMANN, & I. IVERSON. 1992. **Distributions and predator-prey interactions of Macaroni Penguins, Antarctic fur seals, and Antarctic krill near Bird Island, South Georgia.** *Mar. Ecol. Prog. Ser.* 86: 15-30. (Dept. Ecol. Evol. Biol., Univ. California, Irvine, CA 92717 USA.)—In waters surrounding breeding colonies, *Eudiptes chrysolophus* associates with krill at scales of 70-100 km.—J.C.H.
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- JÄRVINEN, A., & A. RAJASÄRKÄ. 1992. **Population fluctuations in two northern land bird communities: effects of habitat, migration strategy and nest-site.** *Ornis Fennica* 69: 173-183. (Kilpisjärvi Biol. Stn., Univ. Helsinki, Arkadiankatu 7, SF-00100 Helsinki, Finland.)—During eight years, 3 of 6 common alpine species increased, while 13 of 14 common forest species increased. Parallel fluctuations in ground-nesting species were probably synchronized by mustelid predation.—H.P.
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- JEDRZEJEWSKI, W., & B. JEDRZEJEWSKA. 1992. **[Predators of Białowieza National Park and their impact on forest rodents in autumn and winter.]** *Parki Narodowe Rezerwy Przyr.* 11: 79-89. (Zakład Badania Ssaków PAN, 17-230 Białowieza, Poland.)—23 species of mammalian predators and raptors including *Strix aluco*, *B. buteo*. *S. aluco* accounted for 59% of *Clethrionomys glareolus* and 69% of *Apodemus flavicollis* which were killed by predators. (Polish, Engl. summ.)—J.P.
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- JESKE, C. W. 1993. **Factors influencing size of the wintering Mallard population in the San Luis Valley, Colorado.** *Southwest. Nat.* 38: 155-156. (Natl. Wetlands Res. Ctr., 700 Cajundome Blvd., La-

- fayette, LA 70506 USA.)—*Anas platyrhynchos*, no large-scale response to severe weather.—J.J.D.
- JOHNSON, L. S., & L. H. KERMOTT. 1994. **Nesting success of cavity-nesting birds using natural tree cavities.** *J. Field Ornithol.* 65: 36–51. (Dept. Biol. Sci., Univ. Pittsburgh, Pittsburgh, PA 15260 USA.)—63% of 99 *Troglodytes aedon* nests.—R.A.I.
- JOHNSON, O. W., & P. M. JOHNSON. 1993. **Counts of Pacific Golden-Plovers (*Pluvialis fulva*) wintering on O'ahu golf courses, 1992.** *Elepaio* 53: 39–43. (Dept. Biol., Montana State Univ., Bozeman, MT 59717 USA.)—1902 counted on 3474 ac on 28 courses; density varied from 0.02 to 1.60/ac.—R.B.C.
- JONES, E. T. 1993. **34 years of banding birds in Alberta . . . 1958–1992 the decline over the years.** *Alberta Nat.* 23(1): 6–7. (43 Westbrook Dr., Edmonton, AB T6J 2C8, Can.)—Graph of birds caught per 100 net-hours show considerable fluctuations, with decade-long recent low in *Vermivora peregrina*.—M.K.M.
- JOSEPH, L. 1993. **Predation by Boyd's Forest Dragon on birds caught in mist nets.** *Corella* 17: 60–61. (Dept. Zool. & Ctr. Conserv. Biol., Univ. Queensland, Qld. 4072, Australia.)—Three records of *Acanthiza katherina* and one of *Oreoica gutturalis* as prey.—I.D.E.
- KANYAMBWA, S., ET AL. 1993. **Comparison of survival rates between populations of the White Stork *Ciconia ciconia* in Central Europe.** *Ornis Scand.* 24: 297–302. (Wildl. Conserv. Int., Projet Conservation de la Foret de Nyengwe (PCFN), BP 363 Cyangugu, Rwanda.)
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- KEMPENAEERS, B. 1993. **The use of a breeding synchrony index.** *Ornis Scand.* 24: 84. (Dept. Biol., Univ. Antwerp, Univ. Instelling Antwerpen, B-2610 Wilrijk, Belgium.)
- KOENIG, W. D., ET AL. 1992. **The evolution of delayed dispersal in cooperative breeders.** *Q. Rev. Biol.* 67: 111–150. (Hastings Reserv., Univ. California, 38601 E. Carmel Valley Rd., Carmel Valley, CA 93924 USA.)—Propose “delayed-dispersal threshold model” for relative costs and benefits to young cooperative breeders of delayed dispersal. No single ecological factor is responsible for evolution of delayed dispersal and cooperative breeding.—J.S.G.
- KOGA, K., S. SHIRAIISHI, & T. UCHIDA. 1989. **Breeding ecology of the Black-eared Kite *Milvus migrans lineatus* in the Nagasaki Peninsula, Kyushu.** *Japan. J. Ornithol.* 38: 57–66. (Zool. Lab., Fac. Agric., Kyushu Univ., Fukuoka 812, Japan.)—The high breeding density (33 pair/0.4 km²) seems to be related to rich food supply and abundant nesting sites.—Y.E.
- KORPIMAKI, E. 1992. **Fluctuating food abundance determines the lifetime reproductive success of male Tengmalm's Owls.** *J. Anim. Ecol.* 61: 103–111. (Lab. Ecol. Zool., Dept. Biol., Univ. Turku, SF-20500 Turku 50, Finland.)—*Aegolius funereus*.
- KOSTRZEWA, R. 1991. **[On the population ecology of the Kestrel (*Falco tinnunculus*)]** *Ökol. Vögel* 13: 137–157. (Bonnstr. 64, D-(W)5040 Brühl 1, Germany.)—From 1982–89 in 100 sq-km, 12.3 pairs p.a.; nonbreeding pairs up to 30% of population. (German, Engl. summ.)—H.-H.W.
- KOUKI, J., G. J. NIEMI, & A. RAJASÄRKÄ. 1992. **Habitat associations of breeding peatland passerine species in eastern Finland.** *Ornis Fennica* 69: 126–140. (Dept. Zool., Univ. Helsinki, P. Rautatiekatu 13, SF-00100 Helsinki, Finland.)—*Fringilla coelebs* and *F. montifringilla* differed with respect to microhabitat use. Foraging and singing sites differed within species in *Motacilla flava* and *Anthus trivialis*.—H.P.
- KRÁL, M., & F. KRAUSE. 1991. **[A characteristic of lowland and submontane forests population of Collared Flycatcher *Ficedula a. albicollis* Temm. in Moravia.]** *Zprávy MOS* 91: 37–44. (Valsovsky Zleb 499, 783 86 Dlouhá Loucka, Czechoslovakia.)—Females generally smaller, lay later, and have smaller clutches. (Czech, Engl. summ.)—M.R.E.
- LANGE, U. 1992. **[The breeding birds in the core zone of the nature reserve “Markt und Morast” near Ilmenau (Thuringian Forest).]** *Anz. Ver. Thüring. Ornithol.* 1: 49–58. (Oehrenstöcker Str. 19, D (O)-6300 Ilmenau, Germany.)—Results of monitoring this 40 ha woodland from 1988–90. (German, Engl. summ.)—M.R.E.
- LAURANCE, W. F., J. GARESCHE, & C. W. PAYNE. 1993. **Avian nest predation in modified and natural habitats in tropical Queensland – an experimental study.** *Wildl. Res.* 20: 711–723. (CSIRO Trop. For. Res. Ctr., P.O. Box 780, Atherton, Qld. 4883, Australia.)—Predation intensity higher in forested habitats than in adjoining cattle pasture. Most predation appears to be due to mammals such as the white-tailed rat *Uromys caudimaculatus*.—M.G.B.
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- LOERY, G. 1993. The ups and downs of a Virginia Rail population. Connecticut Warbler 13: 54-56. (Alain White Rd., Morris, CT 06763 USA.)—*Rallus limicola* declined 1965-1992 at an inland Connecticut site; attributed to a series of floods.—R.B.C.
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- LUNIAK, M. 1991. [Avifauna of the Bielanski Forest in Warsaw 15 years after a nature reserve was established.] Parki Narodowe i Rezerwaty Przyn. 10: 167-181. (Inst. Zool. PAS, ul. Wilcza 64, 00-679 Warsaw, Poland.)—As a result of establishing the nature reserve, species of non-forest habitats (*Corvus frugilegus*, *Passer montanus*, *Columba livia*) disappeared or decreased; typical forest species (*Ficedula parva*, *F. albicollis*, *Prunella modularis*, *Anthus trivialis*) settled. (Polish, Engl. summ.)—J.P.
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- MALLORY, M. L., ET AL. 1993. Nest site selection by Common Goldeneyes in response to habitat features influenced by acid precipitation. Ornis Scand. 24: 59-64. (Can. Wildl. Serv., Ontario Reg., 49 Camelot Dr., Nepean, ON K1A 0H3, Can.)—*Bucephala clangula*.
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- MCNEIL, R., R. BENOÎT, & J.-L. DESGRANGES. 1993. Daytime and nighttime activity at a breeding colony of Great Blue Herons in a nontidal environment. Can. J. Zool. 71: 1075-1078. (Dépt. Sci. Biol., Univ. Montréal, C.P. 6128, Succ. A, Montréal, PQ H3C 3J7, Can.)—*Ardea herodias*.
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- MILLER, B. J., & F. L. KNOPF. 1993. Growth and survival of Mountain Plovers. J. Field Ornithol. 64: 500-506. (Univ. Nac. Autón. México, Apdo. Postal 70-275, México D.F., 04510 México.)—*Charadrius montanus*.
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- Accipiter striatus* that nested at Caesars Head State Park (el. 924 m), April–July 1991.—E.F.P.
- MÖCKEL, R. 1992. [Effect of "Waldsterben" (forest damage due to airborne pollution) on the population dynamics of Coal Tit (*Parus ater*) and Crested Tit (*Parus cristatus*) in the Western Erzgebirge, Germany.] *Ökol. Vögel* 14: 1–100. (Töpferstr. 12, D-(0)7540 Calau, Germany.)—40% foliage reduction in spruce led to fewer arthropods and population reductions of tits by >90% and >60%. (German, Engl. summ.)—H.-H.W.
- MOONEY, N. 1992. **Competitors of raptors.** *Austral. Raptor Assoc. News* 13: 49. (Box 33, Huonville, Tas. 7109, Australia.)—Discussions on raptor ecology uses competition for various resources, e.g., food, nesting places, and other animals.—V.T.S.
- MORIMOTO, D. C. 1992. **Anything but barren, Part II: the search for patterns continues.** *Bird Obs.* (Massachusetts) 20: 141–145. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Common species responded to habitat variation in an individualistic, scale-dependent manner. It was not necessary to assume interspecific competition to explain patterns in foraging behavior or spatial distribution.—W.E.D.
- MORIMOTO, D. C. 1992. **Anything but barren: the search for patterns in the breeding bird community of the Massachusetts pine barrens.** *Bird Obs.* (Massachusetts) 20: 77–82. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Most breeding bird distribution patterns were related to habitat variation.—W.E.D.
- MORRIS, A. J. 1992. **A study of the riparian birds of the River Don in Sheffield.** *Magpie - J. Ornithol. Sheffield Reg.* 4: 18–23. (4a Raven Rd., Nether Edge, Sheffield S7 1SB, UK.)—Summary of winter waterfowl counts and breeding numbers of *Tachybaptus ruficollis*, *Anas platyrhynchos*, *Gallinula chloropus*, and *Alcedo atthis* on this urban stream.—M.R.E.
- MORTON, S. R., K. G. BRENNAN, & M. D. ARMSTRONG. 1993. **Distribution and abundance of Brolgas and Black-necked Storks in the Alligator Rivers region, Northern Territory.** *Emu* 93: 88–92. (Div. Wildl. Ecol., CSIRO, P.O. Box 2111, Alice Springs, NT 0871, Australia.)—*Grus rubicundus* was more abundant during the dry season and had higher peak numbers than *Ephippiorhynchus asiaticus*, whose population did not fluctuate.—S.R.P.
- MULLER, Y. 1990. [Study of the ecology of forest birds of northern Vosges, France. V. Study of birds nesting in beech forests.] *Gerfaut* 80: 73–105. (Lab. Ecol., Univ. Dijon, Bâtiment Mirande, BP 138, F-21004 Dijon Cedex, France.) (French.)
- MYERS, S. J. 1993. **Mountain Chickadees nest in desert riparian forest.** *West. Birds* 24: 103–104. (15779 Dalscote St., Hesperia, CA 92345 USA.)—*Parus gambeli* in cottonwood-willow of Mojave Desert, California.—L.C.B.
- MYRCHA, A., & A. TATUR. 1991. **Ecological role of the current and abandoned penguin rookeries in the land environment of the maritime Antarctic.** *Polish Polar Res.* 12: 3–24. (Inst. Biol., Warsaw Univ., Branch of Bialystok, Swierkowa 20b, 15-950 Bialystok, Poland.)—In the rookeries abandoned by penguins phosphates are still present in large amounts for hundreds or even thousands of years.—J.P.
- NERO, R. W. 1993. **Another red squirrel bird-kill.** *Blue Jay* 51: 217–218. (Box 24, 1495 St. James St., Winnipeg, MB R3H 0W9, Can.)—*Zonotrichia albicollis*.
- NEWMAN, M., & P. PARK. 1992. **Egg-laying interval: Pied Oystercatcher and Hooded Plover.** *Stilt* 20: 22–23. (98 Nowra Rd., Lauderdale, Tas. 7021, Australia.)—*Haematopus longirostris*, *Charadrius rubricollis*.
- NEWMAN, O. M. G. 1992. **Nesting association between Hooded Plover and Pied Oystercatcher.** *Stilt* 21: 26–27. (98 Nowra Rd., Lauderdale, Tas. 7021, Australia.)—*Haematopus longirostris*, *Charadrius rubricollis*.
- NIELSEN, Ó. K. 1992. [Age of first breeding and site fidelity of Gyrfalcons.] *Náttúrufr.* 60: 135–143. (Lynghagi 28, 107 Reykjavik, Iceland.)—Two breeding males *Falco rusticolus* were four years of age, and two females were two and three years old. Twenty-two females and six males were recaptured in later years. All breeding females were caught on previous territory, but some had moved nest sites. Site fidelity confirmed for first time using ringed birds. (Icelandic, Engl. summ.)—A.P.
- NILSSON, L. 1993. [Goose counts in Sweden in October, November and January 1990/91–1992/93.] *Anser* 32: 263–271. (Dept. Ecol., Ecol. Bldg., S-223 62 Lund, Sweden.)—A shift has taken place during the last decade from traditional *Anser fabalis* late autumn haunts in southernmost Sweden to lakes Kvismaren and Tåkern 500 and 350 km further north. (Swedish, Engl. summ.)—H.K.
- NILSSON, S. G., ET AL. 1992. **Population trends in Swedish woodpeckers.** *Ornis Svecica* 2: 13–21. (Univ. Lund, Dept. Ecol., S-223 62 Lund, Sweden.)
- NORLING, B. S., S. H. ANDERSON, & W. A. HUBERT. 1992. **Roost sites used by Sandhill Crane staging along the Platte River, Nebraska.** *Great Basin Nat.* 52: 253–261. (Wyoming Coop. Fish Wildl. Res. Unit., Box 3166, Univ. Stn., Laramie, WY 82071 USA.)—*Grus canadensis* prefer water depths 1–13 cm and sites 11–50 m from the nearest visual obstruction, but avoided sites near roads, although not those near railroads.—R.B.C.
- NORMAN, F. I., & N. NICHOLLS. 1991. **The Southern Oscillation and variations in waterfowl abundance in southeastern Australia.** *Austral. J. Ecol.* 16: 485–490. (Dept. Conserv. Environ., P.O. Box 37, Heidelberg, Vic. 3084, Australia.)—Hunters' bag size, an index of waterfowl abundance, is correlated with El Niño–Southern Oscillation events 25–28 months before start of open season.—R.E.M.

- O'BRIEN, M., & K. W. SMITH. 1992. **Changes in the status of waders breeding on wet lowland grasslands in England and Wales between 1982 and 1989.** *Bird Study* 39: 165-176. (BTO The Nunnery, Thetford, Norfolk IP24 2PU, UK.)—Decrease in *V. vanellus*, increase in *Haematopus ostralegus*, no change in *G. gallinago*, *Tringa totanus*, or *Numenius arquata*.—I.M.S.
- OAKES, E. J. 1992. **Lekking and the evolution of sexual dimorphism in birds: comparative approaches.** *Am. Nat.* 140: 665-684. (Dept. Zool., Univ. Oxford, S. Parks Rd., Oxford OX1 3PS, UK.)—Reanalysis suggests lekking birds are more sexually size dimorphic than related nonlekking birds.—J.R.F.
- OBERMEYER, B. 1992. **Effect of logging on breeding bird diversity in riparian forest on Fall River Wildlife Area.** *Kansas Ornithol. Soc. Bull.* 43: 21-27. (Rt. 2, Box 141, Eureka, KS 67045 USA.)—Bird populations were quantified over a three-year period of selective logging. Only *Vireo olivaceus* and *Poliophtila caerulea* decreased. Populations of edge species decreased with the increase in gaps within the forest. Suggests lack of response related to the long, narrow forest stands.—J.L.Z.
- OHSAKO, Y. 1989. **Flock organization, dispersion and territorial behaviour of wintering Hooded Cranes *Grus monacha* in Izumi and Akune, Kyushu.** *Japan. J. Ornithol.* 38: 15-29. (Lab. Anim. Soc., Fac. Sci., Osaka City Univ., Sumiyoshe-ku, Osaka 558, Japan.)—Cranes roost communally. Most spent daytime hours at an adjacent artificial feeding site, whereas some established pair or family territories outside the feeding site.—Y.E.
- OLSEN, P., & T. G. MARPLES. 1993. **Geographic variation in egg size, clutch size and date of laying of Australian raptors (Falconiformes and Strigiformes).** *Emu* 93: 167-179. (Div. Bot. Zool., Austral. Natl. Univ., P.O. Box 4, Canberra, ACT 2601, Australia.)
- OLSSON, O., ET AL. 1992. **Habitat preferences of the Lesser Spotted Woodpecker *Dendrocopos minor*.** *Ornis Fennica* 69: 119-125. (Ecol. Bldg., S-223 62 Lund, Sweden.)—In 104 census areas in Sweden (each 200 ha) snag density, stand age, and forest type were good indicators for preferred habitats.—H.P.
- OLSSON, V. 1992. **[Cormorants, cormorants.] Vår Fågelvärld** 51(6): 16-20. (Stigarv. 1, S-611 65 Nyköping, Sweden.)—Increase of *Phalacrocorax carbo* in the Baltic Sea. (Swedish.)—M.E.
- OWEN, R. B., JR., ET AL. 1991. **Nesting history and population status of Maine's Bald Eagles.** *Trans. Northeast Sect. Wildl. Soc.* 48: 21-30. (Dept. Wildl., Univ. Maine, Orono, ME 04469 USA.)—*Haliaeetus leucocephalus*.
- PALSSON, K. 1992. **[The breeding of birds in the area of Blönduólk, N. Iceland, 1990.]** *Bliki* 11: 65-66. (Húnabrut 10, 540 Blönduós, Iceland.)—General account of the breeding birds and their breeding success. (Icelandic, Engl. summ.)—A.P.
- PATON, J. B., ET AL. 1992. **Patterns to the distribution and abundance of Mallards, Pacific Black Ducks and their hybrids in South Australia in 1987.** *S. Austral. Ornithol.* 31: 103-110. (1 Dashwood Rd., Beaumont, SA 5066, Australia.)—Counts of *Anas platyrhynchos*, *A. superciliosa*, and their hybrids were done on 484 wetlands in southern South Australia.—M.T.C.
- PEDERSEN, H. C. 1993. **Reproductive success and survival of widowed Willow Ptarmigan hens.** *Ornis Fennica* 70: 17-21. (Norwegian Inst. Nat. Res., Div. Terrestrial Ecol., Tungasletta 2, N-7005 Trondheim, Norway.)—*L. l. lagopus* widows suffered higher predation and produced fewer chicks than control hens.—H.P.
- PERDECK, A. C., & A. J. CAVE. 1992. **Laying date in the Coot: effects of age and mate choice.** *J. Anim. Ecol.* 61: 13-19. (Inst. Ecol. Res., Boterhoeksestr. 22, 6666 GA Heteren, Netherlands.)—*Fulica atra*.
- PFEIFER, R. 1992. **[Seasonal and long-term fluctuations in the population of the Nutcracker *Nucifraga c. caryocatactes*.]** *Anz. Ver. Thüring. Ornithol.* 1: 59-63. (Dilchertstr. 10, D(W)-8580 Bayreuth, Germany.)—No correlation with spruce (*Picea abies*) seed production. (German, Engl. summ.)—M.R.E.
- PHILLIPS, V. E. 1992. **Variation in winter wildfowl numbers on gravel pit lakes at Great Linford, Buckinghamshire, 1974-79 and 1984-91, with particular reference to the effects of fish removal.** *Bird Study* 39: 177-185. (Game Cons./ARC Wildfowl Ctr., Great Linford, Milton Keynes MK14 6HZ, UK.)—Fish removal from a lake led to more feeding there by wildfowl.—I.M.S.
- PINEAU, O. 1992. **Status of the Cattle Egret colony of Giza in April 1990.** *Cursor* 3: 43-47. (Stn. Biol. Tour du Valat, Le Sambuc, 13200 Arles, France.)—7,269 *Bubulcus ibis* nests in trees at Cairo Zoo, Egypt, but low fledging rate.—S.M.L.
- PITTAWAY, R. 1993. **Concealment behavior in the Loggerhead Shrike.** *Ontario Birds* 11: 33-34. (Box 619, Minden, ON K0M 2K0, Can.)—Observations of young *Lanius ludovicianus* hiding from observer near nests and of adult hiding from *Accipiter cooperii*.—M.K.M.
- PLESNÍK, J. 1991. **Nest sites and breeding density of the population of the European Kestrel (*Falco tinnunculus*) in Pardubice.** *Acta Soc. Zool. Bohemoslov.* 55: 45-59. (Czech Inst. Nat. Prot., Slezská 9, 120 00 Praha 2, Czech Republic.)—Average density in urban habitat during 1975-1983 was 0.47 pairs/km².—K. W.
- POHLE, E. 1991. **[Long-term changes in the composition and density of birds in Slavkov near Brno.]** *Zprávy MOS* 91: 51-54. (Palackého nám. 87, 684 01 Slavkov u Brna, Czechoslovakia.) (Czech.)
- POTAPOV, E. 1992. **Some breeding observations on the Siberian White Crane *Grus leucogeranus* in**

- the *Kolyma lowlands*. *Bird Conserv. Int.* 2: 149-156. (E.G.I., S. Parks Rd., Oxford OX1 3PS, UK.)
- PRATT, A., & W. PEACH. 1991. **Site tenacity and annual survival of a Willow Warbler *Phylloscopus trochilus* population in southern England**. *Ring-ing & Migr.* 12: 128-134. (61 Town Ln., Bennington, Stevenage, Herts. SG2 7BT, UK.)—Average annual adult survival rate = c.47.1%.—I.M.S.
- PRICE, T., & N. JAMDAR. 1991. **Breeding of eight sympatric species of *Phylloscopus* warblers in Kashmir**. *J. Bombay Nat. Hist. Soc.* 88: 242-255. (Dept. Biol., Univ. California at San Diego, La Jolla, CA 92093 USA.)—Reviews possible coexistence factors.—M.V.H.
- PROP, J., & J. DE VRIES. 1993. **Impact of snow and food conditions on the reproductive performance of Barnacle Geese *Branta leucopsis***. *Ornis Scand.* 24: 110-121. (Zool. Lab., Univ. Groningen, P.O. Box 14, 9750 AA Haren, Netherlands.)—Observational study of ca. 150 pairs on Spitsbergen.—R.T.B.
- PRUETT-JONES, S. 1992. **Independent versus nonindependent mate choice: Do females copy each other?** *Am. Nat.* 140: 1000-1009. (Dept. Ecol. Evol., Univ. Chicago, 1101 E. 57th St., Chicago, IL 60637 USA.)—Game theory suggests mixed ESS involving choosers and copiers.—J.R.F.
- PUIGSERVER, M., ET AL. 1992. **Survival and mean life span of Quail *Coturnix c. coturnix***. *Bird Study* 39: 120-123 (Depto. Biol. Anim. (Vert.), Fac. Biol., Univ., Av. Diagonal 645, 08071 Barcelona, Spain.)
- RAJCHARD, J. 1993. **[Influence of the 1991 spring climatic conditions on the breeding of Swift (*Apus apus*)]** *C.S.O. News* 36: 20-21. (Táboritská 353/II, Třeboň, CZ-379 01, Czech Republic.)—Influence of cold weather on laying date and brood size. (Czech, Engl. summ.)
- RECHER, H. F., ET AL. 1991. **Ecological association of habitats and bird species during the breeding season in southeastern New South Wales**. *Austral. J. Ecol.* 16: 337-352. (Dept. Ecosystem Manage., Univ. New England, Armidale, NSW 2351, Australia.)—The birds do not form discrete communities but each species responds individually to environmental factors.—R.E.M.
- REID, N. 1991. **Coevolution of mistletoes and frugivorous birds?** *Austral. J. Ecol.* 16: 457-469. (Dept. Ecosystem Manage., Univ. New England, Armidale, NSW 2351, Australia.)—One-to-one coevolved relationships between specialized dispersers are unlikely. Highly specific mutualisms probably involve regional guilds of mistletoes or birds.—R.E.M.
- RENDELL, W. B., & R. J. ROBERTSON. 1994. **Cavity-entrance orientation and nest-site use by secondary hole-nesting birds**. *J. Field Ornithol.* 65: 27-35. (Dept. Biol. Sci., Simon Fraser Univ., Burnaby, BC V5A 1S6, Can.)—*Tachycineta bicolor* and *Sturnus vulgaris*.
- RENTZ, D. C. F. 1991. **Notes on a long-lived Silver-eye**. *Canberra Bird Notes* 16: 51-52. (9 Gluyas St., Farrer, ACT 2607, Australia.)—A hand-reared *Zosterops lateralis* lived 13 years 5 months, singing only in spring and at daybreak.—R.S.H.
- RIABININ, S., & M. OLEARNIK. 1985. **[Changes of Lublin avifauna in 1951-1983.]** *Ann. Univ. Mariae Curie-Sklodowka* 40: 145-173. (Polish, Engl. & Russian summ.)
- ROBB, L. A., K. MARTIN, & S. HANNON. 1992. **Spring body condition, fecundity and survival in female Willow Ptarmigan**. *J. Anim. Ecol.* 61: 215-223. (KM: Div. Life Sci., Univ. Toronto, Scarborough Campus, 1265 Military Trail, Scarborough, Ontario, M1C 1A4, Can.)—Fecundity of *L. lagopus* was not related to the hen's spring body condition; data suggest that the cost of reproduction may be cumulative over year.—R.A.N.
- ROBERTSON, J., & A. BERG. 1992. **Status and population changes of farmland birds in southern Sweden**. *Ornis Svecica* 2: 119-130. (Dept. Wildl. Ecol., SLU, P.O. Box 7002, S-750 05 Uppsala, Sweden.)—Decrease of 21 out of 48 species since 1950.—M.E.
- ROBINSON, D. 1991. **Changes in bird abundance between summer and autumn in East Gippsland montane forests**. *Victorian Nat.* 108: 28-33. (28 Bath St., Mornington, Vic. 3931, Australia.)—Seasonal differences (fewer birds in autumn) most marked at higher altitudes.—R.E.M.
- RODWAY, M. S., H. M. REGEHR, & J.-P. L. SAVARD. 1993. **Activity levels of Marbled Murrelets in different inland habitats in the Queen Charlotte Islands, British Columbia**. *Can. J. Zool.* 71: 977-984. (Can. Wildl. Serv., P.O. Box 340, Delta, BC V4K 3Y3, Can.)—*Brachyramphus marmoratus*.
- ROLANDO, A., & B. MENZIO. 1990. **Niche organization of a forest bird community in north-western Italy in autumn and winter**. *Gerfaut* 80: 159-178. (Univ. Torino, Dip. Biol. Anim., Via Accad. Albertina 17, I-10123 Torino, Italy.)
- ROLANDO, A., & F. TECCHIATI. 1991. **Niche organization of a forest bird community in northwestern Italy during autumn and winter. A comparative analysis**. *Avocetta* 15: 3-8. (Dip. Biol. Anim., Via Accademia Albertina 17, 10123 Torino, Italy.)
- RØSKAFT, E., & T. JÄRVI. 1992. **Interspecific competition and the evolution of plumage-color variation in three closely related Old World flycatchers *Ficedula* spp.** *J. Zool., Lond.* 228: 521-532. (Dept. Zool., Univ. Trondheim, N-7055 Dragvoll, Norway.)—In areas of sympatry the plumage patterns diverge.—M.R.E.
- ROSKAFT, E., S. ROHWER, & C. D. SPAW. 1993. **Cost of puncture ejection compared with costs of rearing cowbird chicks for Northern Orioles**. *Ornis Scand.* 24: 28-32. (Dept. Zool., Univ. Trondheim, N-7055 Dragvoll, Norway.)—Experimental addition of *Molothrus ater* eggs to *Icterus galbula* nests and comparison of hatching success of oriole eggs damaged during puncture ejection with that of un-

- damaged eggs. Also compare cost of puncture ejection with cost of rearing cowbird chicks added to nests after hatching.—R.T.B.
- ROTHERY, P., & P. A. PRINCE. 1990. **Survival and breeding frequency in albatrosses.** Ring 13: 61-74. (Brit. Antarct. Surv., High Cross, Madingley Rd., Cambridge CB3 0ET, UK.)—*Diomedea chrysostoma*.
- ROTTENBORN, S. C. 1993. **Unusual nesting behavior in a Northern Harrier.** Raven 64: 23. (Dept. Biol. Sci., Stanford Univ., Stanford, CA 94305-5020 USA.)—Male *Circus cyaneus* incubating egg.—R.B.C.
- SAI, D. 1993. **[A preliminary study on reproduction of the White-fronted Shearwater (*Puffinus leucocomelas*)]** Dongwuxue Yanjiu 14: 117.—(No address given.)—Salient features of vegetation, climate, and burrow distance to sea. (Chinese.)—G.W.H.D.
- ŠÁLEK, M. 1992. **[Nest survival rate and hatching success in Lapwing *Vanellus vanellus* and sources of clutch losses in agricultural land in basin of České Budějovice (South Bohemia, Czechoslovakia)]** Panurus 4: 19-34. (Přátelství 2003, 397 01 Písek, Czech Republic.)—The Mayfield method was used. Total mean survival rate was 39.5%. Highest failures were in meadows and spring corn fields, the lowest ones in ploughed fields. Main causes of failures were predation and human disturbance. (Czech, Engl. summ.)—P. V.
- SAMWALD, O. 1989. **[Drastic population decrease of Roller *Coracias garrulus* in Austrian Styria.]** Acrocephalus 41-42: 38-40. (Muhlbreitenstr. 61A, 8280 Furstenfeld, Austria.) (Slovene, Engl. summ.)
- SÁNCHEZ-POLAINA, F. J., & F. OBREGÓN ROJANO. 1992. **[Qualitative composition of the bird community in "Los Sotos de la Albolafia" (Guadalquivir River, Córdoba). Data from 1987-1990.]** Oxyura 6: 23-32 (Depto. Biol. Anim., Fac. Cienc., 14071- Córdoba, Spain.) (Spanish, Engl. summ.)
- SANIGA, M. 1991. **[Changes of the bird community in the group of forest type Abieto-Fagetum (AF).]** Zprávy MOS 91: 13-20. (Liptovské Revúce 722, 034 74 Liptovské Revúce, Czechoslovakia.) (Czech, Engl. summ.)
- SCHNEIDER, D. C. 1992. **Statistical evaluation of models in oceanography: analysis of Schaefer's trophic dynamic equation, rather than a surrogate.** Limnol. Oceanogr. 37: 1076-1080. (Ocean Sci. Ctr., Memorial Univ. Nfld., St. Johns, NF A1B 3X7, Can.)—Carbon flux to marine birds in several regions evaluated with the generalized linear model.—J.C.H.
- SCHULZ, C. A., ET AL. 1992. **Autumn and winter bird populations in herbicide-treated Cross Timbers in Oklahoma.** Am. Midl. Nat. 127: 215-223. (USF & WS, Oklahoma Coop. Fish Wildl. Res. Unit, Dept. Zool., Oklahoma State Univ., Stillwater, OK 74078 USA.)
- SENAR, J. C., & D. SOL. 1991. **[Census of Feral Pigeons *Columba livia* var. from the city of Barcelona: use of stratified sampling with a correction factor.]** Butll. GCA 8: 19-24. (Mus. Zool., Apdo. 593, 08003 Barcelona, Spain.)—183,887 birds with correction factor vs. 52,539 without. (Spanish, Engl. summ.)—J.L.C.
- SHERLEY, G. H. 1993. **Parental investment, size sexual dimorphism, and sex ratio in the Rifleman *Acanthisitta chloris*.** N. Z. J. Zool. 20: 211-217. (Conserv. Sci. Ctr., Dept. Conserv., Box 10420, Wellington, New Zealand.)—R. A. Fisher's sex-ratio theory does not account for the relationship between sexual size dimorphism, primary sex ratio, and the value of each sex to the parents.—E.O.M.
- SHRUBB, M. 1993. **Nest sites in the Kestrel *Falco tinnunculus*.** Bird Study 40: 63-73. (Hillcrest, Llanwrtyd Wells, Powys, UK.)
- SIGURÐSSON, Ó. J. 1992. **[Weather wrecks seabird colonies.]** Bliki 12: 58-59. (Stórhöfða, 900 Vestmannaeyjar, Iceland.)—During inclement weather on 9 Jan. 1990, 1200-1300 m² of a *Fratercula arctica* colony was swept away on Heimaey Island, and also nesting places of Puffins and Fulmars *Fulmarus glacialis* on the island Haena. (Icelandic, Engl. summ.)—A.P.
- SIMONS, L. S., & L. H. SIMONS. 1993. **Seed dispersal through removal of avian nestling fecal sacs.** Southwest. Nat. 38: 282-284. (USF&WS, 2800 Cottage Way, Sacramento, CA 95825 USA.)—Cactus Wren (*Campylorhynchus brunneicapillus*) and Curve-billed Thrasher (*Toxostoma curvirostre*).—J.J.D.
- SJÖBERG, K., ET AL. 1993. **Differences in bird habitat quality between plantations of Scots and Lodgepole Pine measured in terms of Pied Flycatcher *Ficedula hypoleuca* breeding success.** Ornis Svecica 3: 59-68. (Dept. Anim. Ecol., Swed. Univ. Agric. Sci., S-901 83 Umeå, Sweden.)—No differences except a slightly larger clutch size in Scots Pine.—H.K.
- SKARPHÉDINSSON, K. H., ET AL. 1992. **[Breeding distribution and numbers of Ravens in Iceland.]** Bliki 11: 1-26. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavík, Iceland.)—*Corvus corax* breeds commonly below the 400-m contour, sporadically up to 600-700 m a.s.l. Estimate 2,000 pairs, about 9% non-breeding. Mid-summer population estimated around 13,000 birds, including 5,000 juveniles. Officially categorized as pest birds; around 4,100 killed 1981-85 in government-sponsored programs. A future monitoring scheme proposed. (Icelandic, Engl. summ.)
- SLACK, H. E., III. 1992. **Entanglement in nest material causes mortality of young Loggerhead Shrike.** N. Am. Bird Bander 17: 60. (2219 Switzer Rd., Gulfport, MS 39507 USA.)—Three *Lanius ludovicianus* entangled in string at two nests.—R.B.C.
- SLAGSVOL, T., & T. AMUNDSEN. 1992. **Do Great Tits adjust hatching spread, egg size and offspring sex ratio changes in clutch size?** J. Anim. Ecol. 61: 249-258. (Dept. Biol., Div. Zool., Univ. Oslo, P.O. Box

- 1050 Blindern, N-0316 Oslo 3, Norway.)—*Parus major* did not spread hatching or changed egg size, but there was a trend for skewed sex ratios.—R.A.N.
- SMITH, D. G., & A. DEVINE. 1993. **Winter ecology of the Long-eared Owl in Connecticut.** Connecticut Warbler 13: 43–53. (Biol. Dept., South. Connecticut State Univ., New Haven, CT 06106 USA.)—*Asio otus* roost site habitat requirements, distribution, and fidelity, and diet.—R.B.C.
- SMITH, D. J., & C. R. SMITH. 1992. **Henslow's Sparrow and Grasshopper Sparrow: a comparison of habitat use in Finger Lakes National Forest, New York.** Bird Obs. (Massachusetts) 20: 187–194. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Compares habitat preferences of *Ammodramus henslowii* and *A. savannarum*.—W.E.D.
- SMITH, G. C. 1993. **Feeding and breeding of Crested Terns at a tropical locality—comparison with sympatric Black-naped Terns.** Emu 93: 65–70. (Fauna Conserv. Ecol., Queensland Forest Serv., P.O. Box 631, Indooroopilly, Qld. 4068, Australia.)—Temporal breeding segregation of *Sterna bergii* and *S. sumatrana* may be related to feeding niches.—S.R.P.
- SMITH, G. T. 1991. **Ecology of the Western Whipbird *Psophodes nigrogularis* in Western Australia.** Emu 91: 145–157. (CSIRO, Div. Wildl. Ecol., LMB 4, Midland, WA 6056, Australia.)—Approx. 100 pairs of subspecies *nigrogularis* surviving. Habitat selection and breeding biology indicate future conservation dependent on management of fire.—R.E.M.
- SMITH, K. G., & P. G. CONNORS. 1993. **Postbreeding habitat selection by shorebirds, water birds, and land birds at Barrow, Alaska: a multivariate analysis.** Can. J. Zool. 71: 1629–1638. (Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR 72701 USA.)
- SMITH, K. W., ET AL. 1992. **Breeding bird communities of broadleaved plantation and ancient pasture woodlands of the New Forest.** Bird Study 39: 132–141. (RSPB, The Lodge, Sandy, Beds. SG19 2DL, UK.)
- SMITH, V. A. 1992. **Notes on nesting Three-toed Woodpeckers in northern Utah.** Utah Birds 8: 61–65. (796 N. 700 E., Morgan, UT 84050 USA.)—*Picoides tridactylus*.
- SOLER, M., & J. J. SOLER. 1991. **Clutch size variation in the Jackdaw, *Corvus monedula*, according to replacement clutches, breeding season and female age in southern Spain.** Gefuort 81: 23–34. (Depto. Biol. Anim., Fac. Cienc., Univ. Granada, E-18071 Granada, Spain.)
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- SOUICY, L. J., JR. 1992. **Golden oldies. Two live recoveries of long-lived North American hawks.** N. Am. Bird Bander 17: 74. (1390 White Bridge Rd., Millington, NJ 07946 USA.)—*Buteo jamaicensis* and *Accipiter gentilis* captured 20 years, 4 days and 16 years, 9 days after banding, respectively.—R.B.C.
- SPARKS, E. J., J. R. BELTHOFF, & G. RITCHISON. 1994. **Habitat use by Eastern Screech-Owls in central Kentucky.** J. Field Ornithol. 65: 83–95. (Dept. Biol. Sci., East. Kentucky Univ., Richmond, KY 40475 USA.)—*Otus asio*.
- SPURR, E. B., B. WARBURTON, & K. W. DREW. 1992. **Bird abundance in different-aged stands of rimu *Dacrydium cupressinum* implications for coupelogging.** N. Z. J. Ecol. 16: 109–118. (Landcare Res., P.O. Box 30-011, Christchurch, New Zealand.)—Point counts, transect counts, and mist-net captures to assess bird abundance and seasonal changes in Westland, South Island, New Zealand.—E.O.M.
- SQUIRES, J. R., S. H. ANDERSON, & R. OAKLEAF. 1993. **Home range size and habitat-use patterns of nesting Prairie Falcons near oil developments in northeastern Wyoming.** J. Field Ornithol. 64: 1–10. (Rocky Mtn. For. & Range Exp. Stn., 222 S. 22nd St., Laramie, WY 82070 USA.)—*Falco mexicanus*.
- ST. LOUIS, V. L., & J. C. BARLOW. 1993. **The reproductive success of Tree Swallows nesting near experimentally acidified lakes in northwestern Ontario.** Can. J. Zool. 71: 1090–1097. (Dept. Zool., Univ. Toronto, Toronto, ON M5S 1A1, Can.)—Near artificially acidified lakes, eggs of *Tachycineta bicolor* were smaller, hatching success was less and growth was affected.—C.D.M.
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- STICKNEY, A. 1991. **Seasonal patterns of prey availability and the foraging behavior of arctic foxes (*Alopex lagopus*) in a waterfowl nesting area.** Can. J. Zool. 69: 2853–2859. (Alaska Coop. Wildl. Res. Unit, Univ. Alaska, Fairbanks, AK 99775 USA.)—Over 80% of eggs taken were cached.—C.D.M.

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- STOHLGREN, T. J. 1993. Bald Eagle winter roost characteristics in Lava Beds National Monument, California. *Northwest Sci.* 67: 44-54. (Nat. Pk. Serv., Nat. Resource Lab, Colorado State Univ., Ft. Collins, CO 80523 USA.)—Roost trees of *Haliaeetus leucocephalus* were spatially clumped, taller, and more open-structured than non-roost trees.—T.D.R.
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- SUTER, W., & M. R. VAN EERDEN. 1992. Simultaneous mass starvation of wintering diving ducks in Switzerland and The Netherlands: a wrong decision in the right strategy? *Ardea* 80: 229-242. (Swiss Ornithol. Inst., 6204 Sempach, Switzerland.)—In March 1986, on the Swiss Rhine and in the Dutch Wadden Sea, *Aythya marila*, *A. ferina*, *A. fuligula*, *Bucephala clangula*, *Podiceps cristatus*, and *Fulica atra* died. Explained by an inadequate reaction to sudden extremely low temperatures at the end of the winter.—H.W.d.N.
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- SYDEMAN, W. J. 1993. Survivorship of Common Murres on Southeast Farallon Island, California. *Ornis Scand.* 24: 135-141. (Point Reyes Bird Observ., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Color-band study, 1986-1991, including sex-specific return rates and winter attendance patterns of *Uria aalge*.—R.T.B.
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- VEIT, R. R., & G. L. HUNT, JR. 1992. The spatial dispersion of seabirds near the South Orkney Islands and the Weddell-Scotia confluence. *Polar Biol.* 11: 637-642. (Dept. Zool. NJ-15, Univ. Washington, Seattle, WA 98195 USA.)—*Diomedea melanophris* and *Fulmarus glacialis*, but not *Pygoscelis antarctica*, aggregated preferentially over physical gradients.—J.C.H.
- VERHULST, S. 1992. Effects of density, beech crop and winter feeding on survival of juvenile Great Tits; an analysis of Kluyver's removal experiment. *Ardea* 80: 285-292. (Ctr. Terrestrial Ecol., P.O. Box 40, NL-6666 ZG Heteren, Netherlands.)—Density-dependent factors differ between *Parus major* fledging early or late in the season.—H.W.d.N.
- VILA, C., & J. D. RODRÍGUEZ-TEJERO. 1992. Resource partitioning in forest passerines: the temporal dimension. *Ardea* 80: 383-388. (Biol. Stat-CSIC, Apdo. 1056, 41080 Sevilla, Spain.)—Based on field observations of *Parus ater*, *P. cristatus*, *R. regulus*, and *Certhia* spp. in central Pyrenees.—H.W.d.N.
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change amongst Greenland White-fronted Geese *Anser albifrons flavirostris* captured at Wexford Slobs. *Bird Study* 39: 186-194. (Wildfowl & Wetlands Trust, Slimbridge, Gloucester GL2 7BT, UK.)
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- WHITNEY, N. R. 1992. Two longevity records from North Dakota. *N. Am. Bird Bander* 17: 88. (633 S. Berry Pines Rd., Rapid City, SD 57702 USA.)—*Parus atricapillus* at least seven years old and *Loxia curvirostra* at least five years old.—R.B.C.
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- WILSON, U. W. 1993. Rhinoceros Auklet burrow

- use, breeding success, and chick growth: gull-free vs. gull-occupied habitat.** *J. Field Ornithol.* 64: 256-261. (USF & WS, P.O. Box 450, Sequim, WA 98382 USA.)—Finds the only difference is that *Cerorhinca monocerata* chicks from gull-free areas grow significantly faster.—R.A.I.
- WITHERS, K., & B. R. CHAPMAN. 1993. **Seasonal abundance and habitat use of shorebirds on an Oso Bay mudflat, Corpus Christi, Texas.** *J. Field Ornithol.* 64: 382-392. (Dept. Wildl. Fish. Sci., Texas A&M Univ., College Station, TX 77843-2256 USA.)—Record 34,822 individuals of 26 species in a year, with the greatest use Jan.-March and highest diversity Sept.-Oct. *Calidris alpina* and *Limnodromus* spp. are the most similar in their habitat preferences.—R.A.I.
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- WOOD, W. A. 1991. **Gulls and terns (Laridae) off Wollongong, New South Wales: seasonal abundance, scavenging behavior and depth zonation.** *Corella* 15: 93-102. (7 Eastern Ave., Mangerton, NSW 2500, Australia.)—*Larus novaehollandiae*, *L. dominicus*, *Sterna hirundo*, *S. paradisaea*, *S. striata*, *S. fuscata*, *S. bergii*, *Procelsterna caerulea albivittata*, *Gygis alba*.
- WOODALL, P. F. 1993. **The distribution and abundance of the Australian Crake (*Porzana fluminea*) and Baillon's Crake (*Porzana pusilla*) and their association with lignum (*Muehlenbeckia cunningham*) at Lake Bindegolly, south-west Queensland.** *Qld. Nat.* 31: 107-113. (Dept. Anat. Sci., Univ. Queensland, Qld. 4072, Australia.)
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- YALDEN, D. W. 1992. **The Common Sandpiper population of the Ladybower Reservoir complex—a re-evaluation.** *Naturalist (Leeds)* 117: 63-68. (Dept. Environ. Biol., Manchester Univ., M13 9PL, UK.)—*Actitis hypoleucos* breeding census around Peak District (Derbyshire/S. Yorks.) reservoirs in June 1991; 60 pairs.—S.M.L.
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- ZHANG, Y., ET AL. 1993. **[Breeding habitat selection of the Relict Gull and the wetland bird community around its breeding sites.]** *Dongwuxue Yanjiu* 14: 128-135. (Inst. Zool., Acad. Sinica, Beijing 100080, China.)—Biggest known colony of *Larus relictus* 1115 nests in 1991 at Ordos Highlands, Inner Mongolia, on islets in desert lakes. (Chinese, Engl. summ.)—G.W.H.D.

EVOLUTION, HYBRIDIZATION, AND GENETICS

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- DUNNINGTON, E. A., ET AL. 1992. Deoxyribonucleic acid fingerprint bands linked to loci coding for quantitative traits in chickens. Poultry Sci. 71: 1251-1258. (Poultry Sci. Dept., Virginia Polytech. Inst. & State Univ., Blacksburg, VA 24061 USA.)—One out of 4 DNA fingerprint bands tested was an effective predictor of shank length and body weight of growing *G. gallus*.—I.L.B.
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- EBELS, E. B. 1992. [Hybrid Pochard × Ferruginous Duck at Utrecht in February 1991.] Dutch Birding 14: 134-137. (Lessinglaan 7-2, 3533 AM Utrecht, Netherlands.)—*Aythya ferina* × *A. nyroca*. (Dutch, Engl. summ.)
- ETCHES, R. J., ET AL. 1993. Chimeric chickens and their use in manipulation of the chicken genome. Poultry Sci. 72: 882-889. (Dept. Anim. & Poultry Sci., Univ. Guelph, Guelph, ON N1G 2W1, Can.)—Techniques are described to access the avian genome by causing cells in the embryo of *G. gallus* to accept foreign genetic material and then integrate it into the germline of the host embryo.—I.L.B.
- FEDYNICH, A. M., & O. E. RHODES. Mallard x American Wigeon hybrid on the southern high plains of Texas. Southwest. Nat. 38: 179-181. (Dept. Range & Wildl. Manage., Texas Tech Univ., Lubbock, TX 79409 USA.)—*Anas platyrhynchos* and *A. americana*.
- FRIESEN, V. L., ET AL. 1993. Molecular identification of a backcross between a female Common Murre x Thick-billed Murre hybrid and a male Common Murre. Can. J. Zool. 71: 1474-1477. (Dept. Biol. Psychol., Memorial Univ. Newfoundland, St. John's, NF A1B 3X9, Can.)—*Uria aalge* and *U. lomvia*.
- GERKEN, M., & J. PETERSON. 1992. Heritabilities for behavioral and production traits in Japanese Quail (*Coturnix coturnix japonica*) bidirectionally selected for dustbathing activity. Poultry Sci. 71: 779-788. (Inst. Tierzuchtwissenschaft, Abt. Kleintierzucht, Endenicher Allee 15, D-5300 Bonn 1, Germany.)—Heritabilities of behavioral traits were low compared to those of production traits, e.g., body weight, egg laying, etc.—I.L.B.
- GRAVES, G. R. 1992. Diagnosis of a hybrid antbird (*Phlegopsis nigromaculatus* × *Phlegopsis erythroptera*) and the rarity of hybridization among suboscines. Proc. Biol. Soc. Washington 105: 834-840. (Dept. Vert. Zool., Natl. Mus. Nat. Hist., Washington, DC 20560 USA.)—*P. "barringeri"* Meyer de Schauensee 1951 is a hybrid; absence of vocal learning and little geographic variation in song suggests that song is primary isolating mechanism.—R.B.C.
- GROTH, J. G. 1992. Further information on the genetics of bill crossing in crossbills. Auk 109: 383-385. (Dept. Ornithol., Am. Mus. Nat. Hist., New York, NY 10024 USA.)—Refutes the claim that simple Mendelian genetics can be used to explain patterns of bill crossing in *Loxia leucoptera* and *L. curvirostra*.—G.E.W.
- HALVERSON, J. L., & J. DVORAK. 1993. Genetic control of sex determination in birds and the potential for its manipulation. Poultry Sci. 72: 890-896. (Zoogen Inc., 1105 Kennedy Pl., Suite 4, Davis, CA 95616 USA.)—A cDNA clone linked to both the Z and W chromosomes was used to screen psittacines and identified several birds showing atypical restriction fragment patterns. Two of these birds were shown to be intersexes by laparoscopic examination.—I.L.B.
- JAMES, F. C. 1991. Complementary descriptive and experimental studies of clinal variation in birds. Am. Zool. 31: 694-706. (Dept. Biol. Sci. B-142, Flor-

- ida State Univ., Tallahassee, FL 32306 USA.)—Argues for a rigorous approach to examine environmental induction of clinal variation in morphometric and plumage characteristics in birds.—J.S.G.
- JOSEPH, L., & C. MORITZ. 1993. **Hybridisation between the White-browed and Atherton Scrubwrens: detection with mitochondrial DNA.** *Emu* 93: 93–99. (Dept. Zool., Ctr. Conserv. Biol., Univ. Queensland, Qld. 4072, Australia.)—*Sericornis frontalis* and *S. kerri*.
- LI, Q., ET AL. 1993. [Studies on the karyotype of birds IX. The 17 species of Timaliinae (Passeriformes, Aves).] *Zool. Res.* 14: 79–84. (Dept. Biol., Liaoning Normal Univ., Dalian 116022, China.) (Chinese, Engl. summ.)
- LI, Q., ET AL. 1993. [Studies on the karyotypes of birds. IX. 17 species of Timaliinae (Passeriformes, Aves).] *Dongwuxue Yanjiu* 14: 73–79. (Dept. Biol., Liaoning Normal Univ., Dalian 116022, China.)— $2n = 76$ in all but two. (Chinese, Engl. summ.)—G.W.H.D.
- MAYER, F. W. S., & W. S. PECKOVER. 1991. **Eggs of hybrid Shaw Mayer's Bird of Paradise: the Ribbontail *Astrapia mayeri* x?** *Emu* 91: 189. (14 Balanda St., Jindalee, Qld. 4074, Australia.)
- MERRIFIELD, K. 1993. **Eurasian X American wigeons in western Oregon.** *West. Birds* 24: 105–107. (Dept. Bot. Plant Pathol., 2082 Cordley Hall, Oregon State Univ., Corvallis, OR 97331-2902 USA.)—*Anas penelope* × *A. americana*.
- MÖNKKÖNEN, M. 1992. **Life history traits of Palaearctic and Nearctic migrant passerines.** *Ornis Fennica* 69: 161–172. (Dept. Zool., Univ. Oulu, Linnanmaa, SF-90570 Oulu, Finland.)—Migrants had lower body weight and smaller number of broods than sedentary species. In Nearctic species migratory habit explained more other life history traits than in Europe, where body weight explained between-genera differences.—H.P.
- MOTIS, A. 1992. **Mixed breeding pairs of European Starling *Sturnus vulgaris* and Spotless Starling *Sturnus unicolor* in the north-east of Spain.** *Butll. GCA* 9: 19–23. (Dept. Biol. Anim., Fac. Biol., Univ. Barcelona, Av. Diagonal 645, 08028 Barcelona, Spain.)—Ten observations of interspecific breeding behavior, with two cases producing full-grown hybrids.—J.L.C.
- NICOLAI, B. 1992. [Quantitative investigations of polymorphism of plumage coloring of Black Redstart *Phoenicurus ochruros*.] *Anz. Ver. Thüring. Ornithol.* 1: 65–72. (Mus. Heineanum, Domplatz 37, D (O)-3600 Halberstadt, Germany.) (German, Engl. summ.)
- ORTEGA, C. P., & A. CRUZ. 1992. **Gene flow of the *obscurus* race into the north-central Colorado population of Brown-headed Cowbirds.** *J. Field Ornithol.* 63: 311–317. (Dept. Biol., Fort Lewis Coll., Durango, CO 81301 USA.)—*Molothrus ater*.
- POTAPOV, R. L. 1991. [The main stages of snow-cock evolution and the history of the current distribution of the genus *Tetraogallus* Gray.] *USSR Acad. Sci. Proc. Zool. Inst. Ecol. Fauna Eurasiatic Birds* 239: 121–140. (Zool. Inst. AN SSSR, Univ. St. Petersburg, St. Petersburg, Russia.) (Russian, Engl. summ.)
- RANDI, E., ET AL. 1992. **Biochemical analysis of relationships of Mediterranean *Alectoris* partridges.** *Auk* 109: 358–367. (Inst. Naz. Biol. Selvaggina, via Ca Fornaxetta, 9, 40064 Ozzano dell'Emilia (Bo), Italy.)—Protein electrophoresis.—J.R.F.
- RHODES, O.E., JR., L. M. SMITH, & R. K. CHESSE. 1993. **Temporal components of genetic variation in migrating and wintering American Wigeon.** *Can. J. Zool.* 71: 2229–2235. (Savannah R. Ecol. Lab., Drawer E, Aiken, SC 29802 USA.)—*Anas americana*.
- ROLANDO, A. 1993. **A study on the hybridization between Carrion and Hooded Crow in Northwestern Italy.** *Ornis Scand.* 24: 80–83. (Univ. Torino, Dip. Biol. Anim., via Accademia Albertina 17, 10123 Torino, Italy.)—4-year-study of 142 pairs (incl. hybrids) of *Corvus c. corone* and *C. c. cornix*.—R.T.B.
- SCHULZE-HAGEN, K., ET AL. 1993. [Multiple paternity in broods of Aquatic Warblers *Acrocephalus paludicola*: First results of a DNA-fingerprinting study.] *J. Ornithol.* 134: 145–154. (Bergstr. 163, DW-4050 Mönchengladbach 1, Germany.) (German, Engl. summ.)
- SHI, Q.-H., L. M. SHI, & K. MA. 1992. [Comparative studies on SC karyotypes of *Chrysolophus amherstiae*, *C. pictus* and *Phasianus colchicus*.] *Zool. Res., Kunming* 13: 165–171. (Kunming Inst. Zool., Acad. Sinica, Kunming, 650107, Yunnan, China.) (Chinese, Engl. summ.)
- SWABY, R. J., & I. BOYB. 1993. **Hybrid egret at Townsville.** *Sunbird* 23: 1–4. (79 Cambridge Terr., Malvern, SA 5061, Australia.)—Melanistic hybrid, suggested parents are a Little Egret *Egretta garzetta* and possibly an Eastern Reef Egret *E. sacra*, but probably a White-faced Heron *Ardea novaehollandiae*.—M.T.C.
- SWATSCHKE, I., ET AL. 1993. [Population genetics and paternity analysis of Eleonora's Falcon (*Falco eleonora*).] *J. Ornithol.* 134: 137–143. (Inst. Pharmazeutische Biol. Univ. Heidelberg, Im Neuenheimer Feld 364, DW-6900 Heidelberg, Germany.) (German, Engl. summ.)
- WILDE, G. 1993. **Possible hybridization between Blue Jays and Steller's Jays.** *Blue Jay* 51: 87. (276 Collinge Rd., Hinton, AB T7V 1L3, Can.)—*Cyanocitta cristata*, *C. stelleri*.
- WINK, M., ET AL. 1994. [Genetic distinction of *Larus argentatus*, *L. fuscus* and *L. cachinnans*.] *J. Ornithol.* 135: 73–80. (Inst. Pharm. Biol., Univ. Heidelberg, Im Neuenheimer Feld 364, D- 60120 Heidelberg, Germany.) (German, Engl. summ.)

FEEDING BEHAVIOR AND DIET

- ABE, M. T., & K. KOZAKI. 1989. [Studies on energy budget in a captive Long-eared Owl *Asio otus*.] Japan. J. Ornithol. 38: 93-100. (For. & For. Prod. Res. Inst., Matsunosato 1, Kukizaki, Ibaraki 305, Japan.)—Nearly all metabolic energy used in self-maintenance in adult owls. (Japanese, Engl. summ.)—Y.E.
- AINLEY, D. G., C. A. RIBIC, & W. R. FRASER. 1992. Does prey preference affect habitat choice in Antarctic seabirds? Mar. Ecol. Progr. Ser. 90: 207-221. (PRBO, 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—In the Scotia-Weddell Confluence region, broad overlap in diets among seabirds regardless of species, habitat, or year.—J.C.H.
- ALLAN, A. E., ET AL. 1993. Effects of summer feeding area on gosling growth in Snow Geese. Ornith. Scand. 24: 255-260 (Gravenhurst High Sch., P.O. Box 370, Gravenhurst, ON P0C 1G0, Can.)—Three-year study of *Chen c. caerulescens* in NWT, Canada.—R.T.B.
- ALLEGRO, G. 1991. [Importance of Great Spotted Woodpecker in the control of *Saperda carcharias* populations.] Avocetta 15: 33-41. (SAF/ENCC—Ist. Sperim. Pioppicoltura, C. P. 116, 15033 Casale Monferrato-AL, Italy.)—*Picoides major*. (Italian, Engl. summ.)
- ALONSO, J. A., & J. C. ALONSO. 1992. Daily activity and intake rate patterns of wintering Common Cranes *Grus grus*. Ardea 80: 343-352. (Mus. Nac. CSIC, Jose Gutierrez Abascal 2, 28006 Madrid, Spain.)—Field observations revealed that birds shift from risk-prone foraging with high intake rate in the morning to risk-averse foraging in the evening.—H.W.d.N.
- ANDERSON, M. 1993. A possible attack by a Whistling Kite *Haliastur sphenurus* on a Sooty Oystercatcher *Haematopus fuliginosus*. Austral. Bird Watcher 15: 167. (57 Parklands Ave., Heathcote, NSW 2233, Australia.)—First record of attack on adult.—I.D.E.
- ANDREWS, D. J. 1992. The diet of wintering Short-eared Owls on Strangford Lough, Co. Down. Irish Birds 4: 549-554. (Nat. Trust, Strangford Lough, Co. Down, Ireland.)—*Asio flammeus* feed mostly on *Calidris alpina* and Wood Mice.—J.G.G.
- BALDA, R. P., & A. C. KAMIL. 1992. Long-term spatial memory in Clark's Nutcracker, *Nucifraga columbiana*. Anim. Behav. 44: 761-769. (Dept. Biol. Sci., North. Arizona Univ., Flagstaff, AZ 86011 USA.)—Some cache sites forgotten after 183 days.—A.K.T.
- BAYLE, P. 1992. [Diet of Tawny Owl *Strix aluco* in an urban area in Marseille.] Faune Provence 13: 39-40. (Dir. l'Ecol. Espaces Verts, Mission Prot. Faune, 48 av. Clot-Bey, 13272 Marseille Cedex 08, France.)—180 prey items: *Rattus norvegicus* and *rattus* 31.1%; *Tarentola mauritanica* 27.2%; *Mus musculus* 9.4%; *Passer domesticus* 7.8%. (French.)—G.O.
- BEAUCHAMP, G., M. GUILLETTE, & R. YDENBERG. 1992. Prey selection while diving by Common Eiders, *Somateria mollissima*. Anim. Behav. 44: 417-426. (Dept. Biol. Sci., Simon Fraser Univ., Burnaby, BC V5A 1S6, Can.)
- BENNETT, D. C., & L. E. HART. 1993. Metabolizable energy of fish when fed to captive Great Blue Herons (*Ardea herodias*). Can. J. Zool. 71: 1767-1771. (Dept. Anim. Sci., Univ. British Columbia, Vancouver, BC V6T 1Z4, Can.)
- BERG, Å. 1993. Food resources and foraging success of Curlews *Numenius arquata* in different farmland habitats. Ornith. Fennica 70: 22-31. (Dept. Wildl. Ecol., Swed. Univ. Agric. Sci., Box 7002 S-750 07 Uppsala, Sweden.)—Earthworms were the most important food during the pre-breeding period. During breeding shorter-billed males caught more surface-living invertebrates than longer-billed females, which caught more earthworms. Food availability early in the season was better in grasslands and flooded tillage than in dry tillage.—H.P.
- BERROW, S. D., ET AL. 1992. The mussel caching behaviour of Hooded Crows *Corvus corone cornix*. Bird Study 39: 115-119. (Dept. Zool., Lee Maltings, Prospect Row, Univ. Coll., Cork, Ireland.)
- BERROW, S. D. 1992. The diet of coastal Ravens in Co. Cork. Irish Birds 4: 555-558. (Dept. Zool., Univ. Coll., Cork, Ireland.)—Mammalian and marine species in diet of *Corvus corax* quantified.—J.G.G.
- BERTARELLI, C., ET AL. 1992. [Preliminary data on the winter feeding habits of the Tawny Owl (*Strix aluco*) and Barn Owl (*Tyto alba*) in the northern province of Modena (northern Italy).] Picus 18: 133-140. (Stazione Ornitol. Modenese, p.zza Carducci, 3-41058, Vignola, Italy.) (Italian, Engl. summ.)
- BHUSHAN, B., & A. R. RAHMANI. 1992. Food and feeding behaviour of the Great Indian Bustard *Ardeotis nigriceps* (Vigors). J. Bombay Nat. Hist. Soc. 89: 27-40. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—300+ samples and 1271 peck rates show beetles and grasshoppers are taken after flushing.—M.V.H.
- BLACK, J. M., ET AL. 1992. Foraging dynamics in goose flocks: the cost of living on the edge. Anim. Behav. 44: 41-50. (Wildfowl & Wetlands Trust, Slimbridge, Glos. GL2 7BT, UK.)—*Branta leucopsis* obtain more food when on the edges of flocks.—A.K.T.
- BLANCHER, P. J., & D. K. MCNICOL. 1991. Tree Swallow diet in relation to wetland acidity. Can. J. Zool. 69: 2696-2637. (Can. Wildl. Serv., Natl. Wildl. Res. Ctr., Ottawa, ON K1A 0H3, Can.)—*Tachycineta bicolor*.
- BODDY, M. 1991. Some aspects of frugivory by bird populations using coastal dune scrub in Lincolnshire. Bird Study 38: 188-199. (51 Welham Rd., East Retford, Notts. ND22 6TW, UK.)
- BOLLEN, C. 1993. Breeding behaviour and diet of the Brown Falcon *Falco berigora* on the Southern

- Tablelands of New South Wales.** Austral. Bird Watcher 15: 19-23. ('Richmond', Kippilaw Rd., Goulburn, NSW 2580, Australia.)—Breeding diet comprised mainly *Sturnus vulgaris* and beetles.—I.D.E.
- BOSSLEY, M. I., & S. K. BOORD. 1992. **Seabird-dolphin associations.** S. Austral. Ornithol. 31: 95-96. (Sch. Human Environ. Sci., Univ. S. Austral., 15 Lorne Ave., Magill, SA 5072, Australia.)—7 species were observed interacting with inshore bottlenose dolphins.—M.T.C.
- BOUDAREL, P., & R. GARCIA-GONZALEZ. 1991. [The diet of Ptarmigan (*Lagopus mutus pyrenaicus*) in the western Pyrenees- 2- Spring, summer, autumn.] Acta Biol. Mont. 10: 11-23. (CBEA, Univ. Pau, UPPA, 64000 Pau, France.) (French.)
- BRAZIER, F. H. 1993. **Flicker exploits hornet and wasp nests in winter.** Blue Jay 51: 85-86. (2657 Cameron St., Regina, SK S4T 2W5, Can.)—*Colaptes auratus*.
- BROTHERS, N., R. GALES, & D. PEMBERTON. 1993. **Prey harvest of the Australasian Gannet *Sula serrator* in Tasmania.** Wildl. Res. 20: 777-783. (Dept. Environ. & Planning, 134 Macquarie St., Hobart, Tas. 7001, Australia.)—Redbait *Emmelichthys nitidus* and jack mackerel *Trachurus declivis* were the dominant prey species. The role of gannets as competitors with commercial fisheries and their potential as indicators of fish stocks are discussed.—M.G.B.
- BROWN, B. T. 1992. **Golden Eagles feeding on fish.** J. Raptor Res. 26: 36-37. (Coop. Pk. Stud. Unit, P.O. Box 5614, North. Arizona Univ., Flagstaff, AZ 86011 USA.)—*Aquila chrysaetos*.
- BRUNNER, D., A. KACELNIK, & J. GIBBON. 1992. **Optimal foraging and timing processes in the Starling, *Sturnus vulgaris*: effect of inter-capture interval.** Anim. Behav. 44: 597-613. (NY State Psych. Inst., Box 50, New York, NY 10032 USA.)
- BULL, E. L., R. C. BECKWITH, & R. S. HOLTHAUSEN. 1992. **Arthropod diet of Pileated Woodpeckers in north-eastern Oregon.** Northwest. Nat. 73: 42-45. (Pac. NW Res. Stn., 1401 Gekeler Ln., La Grande, OR 97850 USA.)—*Dryocopus pileatus* scats yielded mostly carpenter (*Camponotus*) and thatching (*Formica*) ants.—J.S.M.
- BURES, S., & R. DOLÉNKOVÁ. 1991. [Feeding behavior of Blackbird *Turdus merula* L. and Song Thrush *Turdus philomelos* Brehm in extremely cold period.] Zprávy MOS 91: 55-58. (Na zahrádkách 476, 783 14 Bohunovice, Czechoslovakia.) (Czech.)
- BURGER, J., & M. GOCHFELD. 1993. **Making foraging decisions: host selection by Cattle Egrets *Bubulcus ibis*.** Ornith. Scand. 24: 229-236. (Biol. Sci., Rutgers Univ., Piscataway, NJ 08855 USA.)—Relationship between choice of host, egret stepping rate, and rate of stepping by host.—R.T.B.
- BURTON, A. M. 1993. **Cannibalism at a Brown Goshawk nest.** Austral. Bird Watcher 15: 45. (Dept. Zool., James Cook Univ. North Queensland, Townsville, Qld. 4811, Australia.)—*Accipiter fasciatus* fed dead nestling to siblings.—I.D.E.
- BUSTAMANTE, J., J. J. CUERVO, & J. MORENO. 1992. **The function of feeding chases in the Chinstrap Penguin, *Pygoscelis antarctica*.** Anim. Behav. 44: 753-759. (Mus. Nac. Cienc. Nat. CSIC, J. Gutierrez Abascal 2, 28006 Madrid, Spain.)—Probably allow parents to regulate food distribution between siblings.—A.K.T.
- CABRERA GAÑÁN, F., & D. BUENESTADO GAÑÁN. 1992. [Diet of Barn owl (*Tyto alba*) in the Pedroches Region (Córdoba).] Oxyura 6: 87-90 (C/ Serranillos 4, 2º B, 28902-Getafe, Madrid, Spain.) (Spanish.)
- CAMP, R. J., ET AL. 1983. **Food habits of nesting Common Ravens in the eastern Mojave Desert.** Southwest. Nat. 38: 163-165. (Dept. Fish. & Wildl. Biol., Colorado State Univ., Fort Collins, CO 80523 USA.)—*Corvus corax*; by weight, mainly vertebrates.—J.J.D.
- CAMPO, J. J., ET AL. 1993. **Diet of Double-crested Cormorants wintering in Texas.** J. Field Ornithol. 64: 135-144. (Geo-Marine Inc., 201 Napoleon St., Baton Rouge, LA 70802 USA.)—*Phalacrocorax auritus*.
- CHANG, C., N.-F. LIU, & X.-T. WANG. 1993. **Reproduction and food of Himalayan Snowcock, *Tetraogallus himalayensis*.** Zool. Res. 13 (4): 107-108. (Dept. Biol., Lanzhou Univ., Lanzhou 730000, China.)—Also ecological distribution. (Chinese.)—C.L.H.
- CHEREL, Y., ET AL. 1993. **Comparative fuel metabolism in Gentoo and King penguins: adaptation to brief versus prolonged fasting.** Polar Biol. 13: 263-269. (Ctr. d'Ecol. Physiol. Energet., Ctr. Natl. Rech. Scient., 23 rue Becquerel, F-67087 Strasbourg, France.)—*Pygoscelis papua* and *Aptenodytes patagonica*, respectively.—J.C.H.
- CICERO, C. 1993. **Vulnerability of prey stimulates attacks by jays and shrikes on adult birds.** West. Birds 24: 101-102. (Mus. Vert. Zool., 1120 Life Sci. Bldg., Univ. California, Berkeley, CA 94720 USA.)—*Aphelocoma coerulescens* preys on wounded *Parus inornatus* in California.—L.C.B.
- CLAPP, D. E. 1993. **American Kestrel caching food.** Bird Obs. (Massachusetts) 21: 95. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—*Falco sparverius* caches voles in inactive American Robin (*Turdus migratorius*) nest.—W.E.D.
- CLARK, D. R., JR., & C. M. BUNCK. 1991. **Trends in North American small mammals found in Common Barn-Owl (*Tyto alba*) dietary studies.** Can. J. Zool. 69: 3093-3102. (Natl. Biol. Surv., Patuxent Wildl. Res. Ctr., Laurel, MD 20708 USA.)
- CONRADS, D. J. 1993. **Diet of a Northern Hawk Owl in Iowa.** Iowa Bird Life 63: 54. (Macbride Raptor Ctr., E216 Field House, Univ. Iowa, Iowa City, IA 52242 USA.)—*Surnia ulula*; small mice.—J.J.D.
- COOPER, J. M. 1992. **Egg eating by a Red-naped Sapsucker (*Sphyrapicus nuchalis*).** Northwest Nat.

- 73: 59-60. (Sirius Environ. Res., 1278 Laurel Rd., Sydney, BC V8L 5K8, Can.)
- COOPER, J., S. R. HENLEY, & N. T. W. KLAGES. 1992. **The diet of the Wandering Albatross *Diomedea exulans* at subantarctic Marion Island.** Polar Biol. 12: 477-484. (Percy FitzPatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa.)—Twenty-three taxa of cephalopods (ca. 59%) and fish (37%) were major components in a primarily scavenging diet.—J.C.H.
- COULSON, R., & G. COULSON. 1993. **Diets of the Pacific Gull *Larus pacificus* and the Kelp Gull *Larus dominicanus* in Tasmania.** Emu 92: 93-105. (Sch. Early Childhood Stud., Univ. Melbourne, Private Bag 10, Kew, Vic. 3101, Australia.)—Despite a considerable overlap the diets of the species differed significantly with Kelp Gulls scavenging far more at rubbish tips.—S.R.P.
- COYLE, K. O., G. L. HUNT, JR., & M. B. DECKER. 1992. **Murre foraging, epibenthic sound scattering and tidal advection over a shoal near St. George Island, Bering Sea.** Mar. Ecol. Prog. Ser. 83: 1-14. (Inst. Mar. Sci., Sch. Fish. & Ocean Sci., Univ. Alaska, Fairbanks, AK 99775 USA.)—*Uria aalge* and *U. lomvia* concentrate their foraging over euphausiid (*Thysanoessa* spp.) aggregations which result from interaction of bottom topography, tidal currents, and diel downward migration early in the day.—J.C.H.
- DABORN, G. R., ET AL. 1993. **An ecological cascade effect: migratory birds affect stability of intertidal sediments.** Limnol. Oceanogr. 38: 225-231. (Acadia Ctr. Estuarine Res., Acadia Univ., Wolfville, NS B0P 1X0, Can.)—Primarily the Semipalmated Sandpiper (*Calidris pusilla*) on tidal flats in Bay of Fundy.—J.C.H.
- DANKS, A., & M. C. CLAVER. 1993. **Diet of the Noisy Scrub-bird *Atrichornis clamosus* at Two Peoples Bay, south-western Western Australia.** Emu 93: 203-205. (Dept. Conserv. Land Manage., Two Peoples Bay Nat. Reserve, RMB 8609 via Albany, WA 6150, Australia.)—Diet consists of a wide range of arthropods.—S.R.P.
- DANN, P. 1991. **Feeding behavior and diet of Double-banded Plovers *Charadrius bicinctus* in Western Port, Victoria.** Emu 91: 179-184. (Penguin Reserve Committee Manage., P.O. Box 403, Cowes, Phillip Island, Vic. 3922, Australia.)—Diurnal variation in use of 2 feeding modes (isolated pecks and multiple pecks), related to behavior and ecology of prey.—R.E.M.
- DANN, P. 1993. **Abundance, diet and feeding behaviour of the Whimbrel *Numenius phaeopus variegatus* in Rhyll Inlet, Victoria.** Corella 17: 52-57. (Penguin Reserve Committee Manage., P.O. Box 97, Cowes, Vic. 3922, Australia.)—Run-snatch feeding on lightly vegetated mudflats suggests visual cues used for prey detection.—I.D.E.
- DE LEEUW, J. J., & M. R. VAN EERDEN. 1992. **Size selection in diving Tufted Ducks *Aythya fuligula* explained by differential handling of small and large mussels *Dreissena polymorpha*.** Ardea 80: 353-362. (Dir. Flevoland, P.O. Box 600, NL-8200 AP Lelystad, Netherlands.)—Smaller mussels are more profitable. Selection for small ones increased with increasing diving depth. Experiments with five ducks in cages in semi-natural diving conditions.—H.W.d.N.
- DESPORTES, J.-P., ET AL. 1993. **Relationships between scan and interscan durations in three avian species.** Can. J. Zool. 71: 1466-1469. (Ctr. Rech. Biol. Comportement, Univ. Paul Sabatier, 118 Rte. Narbonne, 31062 Toulouse Cédex, France.)—Foraging birds interrupt feeding bouts to scan for predators. The ratio of scan to interscan intervals varies rhythmically.—C.D.M.
- DESROCHERS, A. 1992. **Age and foraging success in European Blackbirds.** Anim. Behav. 43: 885-894. (Dept. Biol., Univ. Laval, Sainte-Foy, PQ G1K 7P4, Can.)—*Turdus merula* foraging improves with age.—A.K.T.
- DICKSON, R. C. 1992. **Merlins' hunting effectiveness.** Scottish Birds 16: 282-284. (Lismore, New Luce, Newton Stewart DG8 OAJ, UK.)—*Falco columbarius*.
- DUMAS, J. V., & J. D. WITMAN. 1993. **Predation by Herring Gulls (*Larus argentatus* Coues) on two rocky intertidal crab species [*Carcinus maenas* (L.) & *Cancer irroratus* Say].** J. Exp. Mar. Biol. Ecol. 169: 89-101. (Drexel Univ., Dept. Biosci. & Biotechnol., Stratton Hall 118, 32nd & Chesnut St., Philadelphia, PA 19104 USA.)
- EGAN, K. 1992. **Purple Swamphen's predation of European Starling.** Austral. Birds 26: 84. (1 Bowman St., Mortdale, NSW 2223, Australia.)—*P. porphyrio* killed and dissected portions of *Sturnus vulgaris* to feed to 2 juvenile swamphens and itself.—R.S.H.
- EMISON, W. B., & D. G. NICHOLLS. 1992. **Notes on the feeding patterns of the Long-billed Corella, Sulphur-crested Cockatoo and Galah in south-eastern Australia.** S. Austral. Ornithol. 31: 117-121. (Dept. Conserv. Environ., 123 Brown St., Heidelberg, Vic. 3084, Australia.)—High temperatures may influence diurnal patterns of feeding in *Cacatua tenuirostris*, *C. galerita*, and *Eolophus roseicapillus*, which fed less at midday in summer, but were similar throughout the day at other times of the year.—M.T.C.
- EXNEROVÁ, A., & D. BOHÁČ. 1992. **[Diet of Grey Heron, *Ardea cinerea*, in breeding season.]** Sylvia 28 (1991): 77-88. (Ambrožova 12, Praha 3, CZ-130 00, Czech Republic.) (Czech, Engl. summ.)
- EZAKI, Y. 1992. **Importance of communal foraging grounds outside the reed marsh for breeding Great Reed Warblers.** Ecol. Res. 7: 63-70. (Inst. Nat. & Environ. Sci., Himeji Inst. Technol., Yayoi-ga-oka 6, Sanda 669-13, Japan.)—More than 50% of food for nestlings of *Acrocephalus arundinaceus* was col-

- lected in communal foraging grounds. The relationship between evolution of polygynous mating system and rich food supply outside the territory is discussed.—Y.E.
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- FINDLAY, H. W. 1993. **Red-shouldered Hawk (*Buteo lineatus*) visits bird feeder.** Alabama Birdlife 40(2): 9. (2749 Millbrook Rd., Birmingham, AL 35243 USA.)—Fed on suet during period of deep snow cover.—B.O.
- FISHER, A. M. 1993. **Patterns of damage to cherry buds by Adelaide Rosellas *Platycercus elegans adelaidae* in the southern Mt. Lofty Ranges.** S. Austral. Ornithol. 31: 132–140. (Sch. Inf. Technol., Charles Sturt Univ.—Mitchell, Panorama Ave., Bathurst, NSW 2795, Australia.)—Monitoring of bud loss in 2 orchards showed some cherry varieties were more heavily damaged than others. Use of bird-exclusion netting prevents damage to newly planted orchards.—M.T.C.
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- GAO, Y. 1993. **[Study on food of the Silver Pheasant.]** Dongwuxue Yanjiu 14: 194–196. (S. China Inst. Endangered Animals, Guangzhou 510260, China.)—40 plant and 26 animal taxa identified in gut contents of *Lophura nycthemera*. (Chinese.)—G.W.H.D.
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- JOHNSON, R. E. 1994. **Use of snow as a water source by Golden Eagles in the Great Basin.** *J. Field Ornithol.* 65: 58-59. (Dept. Zool., Washington State Univ., Pullman, WA 99164-4236 USA.)—*Aquila chrysaetos*.
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- KAMIL, A. C., ET AL. 1993. **Returns to emptied cache sites by Clark's Nutcrackers, *Nucifraga columbiana*: a puzzle revisited.** *Anim. Behav.* 45: 241-252. (Sch. Biol. Sci., Univ. Nebraska, Lincoln, NE 68588-0118 USA.)—They avoid sites they have already emptied.—A.K.T.
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- Pks., P.O. Box 915, Huron, SD 75350 USA.)—*Colinus virginianus* and *Callipepla squamata*.
- LEINAAS, H. P., & W. G. AMBROSE, JR. 1992. Utilization of different foraging habits by the Purple Sandpiper *Calidris maritima* on a Spitsbergen beach. Fauna Norv. Ser. C, Cinclus 15: 85-91. (NINA, P.O. Box 1037 Blindern, 0315 Oslo, Norway.)
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- LUNDIE-JENKINS, G. 1993. The diet of the Sooty Owl *Tyto tenebricosa* in the Blue Mountains, NSW. Emu 93: 124-127. (Dept. Ecosyst. Manage., Univ. New England, Armidale, NSW 2351, Australia.)—Higher proportion of terrestrial mammals than previously reported and first record of insects in diet.—S.R.P.
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- MCBRIDE, F. 1993. Hammonasset: the bittern and the sparrow. Connecticut Warbler 13: 56-57. (64 Woodlawn St., Hamden, CT 06517 USA.)—*Botaurus lentiginosus* catching and eating *Melospiza melodia* in Connecticut.—R.B.C.
- MEESE, R. J. 1993. Effects of predation by birds on gooseneck barnacle *Pollicipes polymerus* Sowerby distribution and abundance. J. Exp. Mar. Biol. Ecol. 166: 47-64. (Div. Envir. Stud., Univ. California-Davis, Davis, CA 95616 USA.)—Winter predation by *Aphriza virgata*, *Larus occidentalis*, and *L. glaucescens* in coastal California.—J.C.H.
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- NAKAMURA, H., & T. TABATA. 1990. [Food of the

- nestling Broad-billed Roller *Eurystomus orientalis*] Japan. J. Ornithol. 38: 131-139. (Dept. Biol., Fac. Educ., Shinshu Univ., Nishinagano, Nagano 380, Japan.)—The main diet was Coleoptera. (Japanese, Engl. summ.)—Y.E.
- NAOROI, R. 1990. Predation by *Aquila* eagles on nestling storks and herons in Keoladeo National Park, Bharatpur. J. Bombay Nat. Hist. Soc. 87: 37-46. (Belha Ct., 24 Ramchandani Marg, Bombay 400 039, India.)—At least 2.5% of young herons taken by eagles.—M.V.H.
- NEGRO, J. J., ET AL. 1992. Winter predation by Common Kestrel *Falco tinnunculus* on Pipistrelle Bats *Pipistrellus pipistrellus* in southern Spain. Bird Study 39: 195-199. (Est. Biol. Doñana, CSIC, Apdo. 1056, 41080 Sevilla, Spain.)
- NEIL, D. T. 1993. Foraging in the intertidal zone by the Australian Magpie Lark, *Grallina cyanoleuca*, Moreton Bay, Queensland. Corella 17: 22-24. (Dept. Geogr. Sci. & Planning, Univ. Queensland, St. Lucia, Qld. 4072, Australia.)—Preferred seagrass beds to bare mud or rocky areas.—I.D.E.
- NICOL, S. 1993. A comparison of Antarctic Petrel (*Thalassoica antarctica*) diets with net samples of Antarctic krill (*Euphausia superba*) taken from the Prydz Bay region. Polar Biol. 13: 399-403. (Austral. Antarct. Div., Channel Hwy., Kingston, Tas. 7050, Australia.)—Krill from petrel regurgitations were larger in mean size than krill sampled by net hauls obtained with a rectangular midwater trawl.—J.C.H.
- NILSSON, L., & H. PERSSON. 1992. Feeding areas and local movement of post-breeding Greylag Geese *Anser anser* in South Sweden. Ornis Svecica 2: 77-90. (Univ. Lund, Dept. Ecol., S-223 62 Lund, Sweden.)
- NISBET, I. C. T. 1992. Predation by a Peregrine Falcon on Common and Roseate terns on Bird Island. Bird Obs. (Massachusetts) 20: 137-139. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—*Falco peregrinus* predation of Common (*Sterna hirundo*) and Roseate (*S. dougallii*) terns disrupted tern breeding in 1991 until falcon was translocated.—W.E.D.
- NUMMI, P. 1993. Food-niche relationships of sympatric Mallards and Green-winged Teals. Can. J. Zool. 71: 49-55. (Dept. Appl. Zool., Univ. Helsinki, SF-00710, Helsinki, Finland.)—*Anas platyrhynchos* and *A. crecca*.
- OLIOSO, G. 1992. [Diurnal hunting in Long-eared Owl *Asio otus*.] Faune Provence 13: 86. (Le Mail, 26230 Grignan, France.)—Hunting flying insects, 0830 h, May 5. (French.)—G.O.
- OLIOSO, G. 1992. [Diving in Carrion Crow *Corvus corone*.] Faune Provence 13: 86. (Le Mail, 26230 Grignan, France.)—Bathing and head diving to catch a small dead (?) fish. Water depth > 8 m. (French.)—G.O.
- OLSEN, P., & J. OLSEN. 1992. Does rain hamper hunting by breeding raptors? Emu 92: 184-187. (Div. Wildl. Ecol., CSIRO, P.O. Box 94, Lyneham, ACT 2602, Australia.)—Cautions against assuming rain affects hunting ability.—S.R.P.
- PATON, J. B., & K. BEASLEY. 1993. Analysis of pellets disgorged by White-faced Herons. S. Austral. Ornithol. 31: 141-142. (1 Dashwood Rd., Beaumont, SA 5066, Australia.)—Disgorged pellets of *Ardea novaehollandiae* contained parts of beetle species from 5 families, and other unidentified beetles and yabbies.—M.T.C.
- PATTEMORE, J. 1993. Daddy Long-legs and Shining Flycatchers. Austral. Arachnol. 46: 6. (P.O. Box 3, Batchelor, NT 0845, Australia.)—Observed *Myiagra alecto* eating and expelling spider bodies after severing legs, and hypothesized that abdomens are burst and juices sucked out.—R.E.M.
- PAVEZ, E. F., C. A. GONZÁLEZ, & J. E. JIMÉNEZ. 1992. Diet shifts of Black-chested Eagles (*Geranoaetus melanoleucus*) from native prey to European rabbits in Chile. J. Raptor Res. 26: 26-32. (Unión Ornitol. Chile, Casilla 268, Correo Central, Santiago, Chile.)
- PELIKAN, M. L. 1993. A use for Starlings. Bird Obs. (Massachusetts) 21: 325-326. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—*Sturnus vulgaris* reduces local moth larvae (*Archips*) infestation.—W.E.D.
- PEPPER, J. W. 1993. A new food source for the Glossy Black Cockatoo. S. Austral. Ornithol. 31: 144-145. (P.O. Box 95, Parndana, SA 5220, Australia.)—On 5 occasions a flock of 30 *Calyptorhynchus lathami* fed on slaty sheoak *Allocasuarina muelleriana*, not previously reported as a food source.—M.T.C.
- PETERS, M. S., & A. D. AFTON. 1983. Diets of Ring-necked Ducks wintering on Catahoula Lake, Louisiana. Southwest. Nat. 38: 166-168. (San Luis NWR, Box 2176, Los Banos, CA 93635 USA.)—*Aythya collaris*; *Cyperus esculentus* tubers and *Leptochloa fascicularis* seeds were main foods.—J.J.D.
- PHILLIPS, V.E. 1991. Pochard *Aythya ferina* use of chironomid-rich feeding habitat in winter. Bird Study 38: 118-122. (Game Cons., ARC Wildfowl Ctr., Wolverton Rd., Great Linford, Milton Keynes MK14 5AH, UK.)
- PIERSMA, T. 1991. Red Knots in New Zealand eat molluscs too: preliminary diet observations at Miranda, Firth of Thames and Farewell Spit in November 1990. Stilt 19: 30-35. (NIOZ, P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands.)—*Calidris canutus*.
- PLACE, A. R., & E. W. STILES. 1992. Living off the wax of the land: bayberries and Yellow-rumped Warblers. Auk 109: 334-345. (Ctr. Mar. Biotech., Univ. Maryland, 600 E. Lombard St., Baltimore, MD 21202 USA.)—*Dendroica coronata* and *Tachycineta bicolor* efficiently absorb and metabolize bayberry wax.—D.E.B.
- POLANI, A. 1993. Bell Miners: what kind of 'farmers' are they? Emu 93: 188-194. (Dept. Genet. Human

- Variation, La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Lerp 'farming' hypothesis for *Manorina melanophrys* is not supported.—S.R.P.
- PRAWIRADILAGA, D. M. 1992. **Feeding and dietary habits of the Bar-winged Prinia in ricefields.** *Kukila* 6: 35-37. (Res. Dev. Ctr. Biol.-LIPI, P.O. Box 110, Bogor 16122, Indonesia.)—*Prinia familiaris*.
- PRAWIRADILAGA, D. 1992. **Pied Currawongs eating rubber bands.** *Canberra Bird Notes* 17: 102. (Div. Bot. Zool., Austral. Natl. Univ., Acton, ACT 2601, Australia.)—A study of *Strepera graculina* pellets found a rubber band in each, following their feeding on food scraps from bins and foraging on the ground.—R.S.H.
- PURCHASE, D., & A. S. PURCHASE. 1991. **Common Mynas in East Melba, ACT.** *Canberra Bird Notes* 16: 50. (5 Orchard Pl., Melba, ACT 2615, Australia.)—Seven *Acridotheres tristis* feeding next to a group of *Sturnus vulgaris* and when disturbed flew off in a different direction.—R.S.H.
- PUTNAM, M. S. 1992. **American Crow captures House Sparrow in flight.** *Passenger Pigeon* 54: 247-249. (Dept. Zool., Univ. Wisconsin, Madison, WI 53706 USA.)—*Corvus brachyrhynchos* catches *Passer domesticus*.—D.L.E.
- RAGLESS, G. B. 1992. **Wedge-tailed Eagle: a cannibal.** *S. Austral. Ornithol.* 31: 124. (42 Grove St., Unley Pk., SA 5061, Australia.)—*Aquila audax* seen feeding off an *A. audax* carcass.—M.T.C.
- RAU, G. H., D. G. AINLEY, & J. L. BENGSTON. 1992. ¹⁵/₁₄N and ¹³C/¹²C in Weddell Sea birds, seals, and fish: implications for diet and trophic structure. *Mar. Ecol. Prog. Ser.* 84: 1-8. (PRBO, 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)
- RAU, J. R., ET AL. 1992. **Food habits of the Short-eared Owl *Asio flammeus* in southern South America.** *J. Raptor Res.* 26: 35-36. (Lab. Ecol. Inst. Profesional Osorno, Casilla 933, Osorno, Chile.)
- RICKLEFS, R. E. 1992. **The roles of parent and chick in determining feeding rates in Leach's Storm-Petrel.** *Anim. Behav.* 43: 895-906. (Dept. Biol., Univ. Pennsylvania, Philadelphia, PA 19104-6018 USA.)—*Oceanodroma leucorhoa* feeding rates not related to level of chick begging.—A.K.T.
- RILEY, C. M., & K. G. SMITH. 1992. **Sexual dimorphism and foraging behavior of Emerald Toucans *Aulacorhynchus prasinus* in Costa Rica.** *Ornis Scand.* 23: 459-466. (Univ. Texas Mar. Sci. Inst., Port Aransas, TX 78373-1267 USA.)—Differences in foraging behavior and diet not related to sexual dimorphism in bill morphology.—R.T.B.
- RISEN, K. W. 1992. **Unusual feeding behavior observed for King Rail.** *Loon* 64: 162-163. (5756 Brunswick Ave. N, Crystal, MN 55428 USA.)—*Rallus elegans* consumed a small turtle, ca. 5 cm in diameter.—D.L.E.
- ROBERTSON, D. A. 1992. **Diet of the Australasian Gannet *Morus serrator* (G. R. Gray) around New Zealand.** *N. Z. J. Ecol.* 16: 77-81. (MAF Fish. Mar. Res., Box 297, Wellington, New Zealand.)—Analysis of 667 regurgitations.—E.O.M.
- ROBINSON, D. 1993. **Food piracy by Dusky Woodswallows.** *Austral. Bird Watcher* 15: 143-144. (28 Bath St., Mornington, Vic. 3931, Australia.)—Aerial piracy by *Artamus cyanopterus* on *Acanthiza chrysorrhoa* and other small passerines.—I.D.E.
- RODHOUSE, P. G., & P. A. PRINCE. 1993. **Cephalopod prey of the Black-browed Albatross *Diomedea melanophrys* at South Georgia.** *Polar Biol.* 13: 373-376. (Brit. Antarct. Surv., Nat. Environ. Res. Council, Madingley Rd., Cambridge CB3 0ET, UK.)—Diet (mostly the ommastrephid squid *Martialia haidesi*) corresponded closely to diet studied 10 years earlier.—J.C.H.
- ROLANDO, A., & I. J. PATTERSON. 1993. **Foraging behaviour and diet of the Alpine Chough *Pyrrhonorax graculus* in the Italian Alps in summer.** *J. Ornithol.* 134: 181-187. (Turin Univ., Dip. Biol. Anim., via Accademia Albertina 17, I- 10123 Turin, Italy.)
- RUDY, C. 1992. **Observations of American Kestrels eating pea pods.** *Passenger Pigeon* 54: 95-96. (W3866 Hwy. H, Chilton, WI USA.)—*Falco sparverius*.
- RUSH, M. 1992. **Kleptoparasitism by an immature Pacific Gull towards a Yellow-billed Spoonbill.** *Vic. Wader Study Group Bull.* 16: 37. (24 Fulton Cres., East Burwood, Vic. 3125, Australia.)—Unsuccessful attempt by *Larus pacificus* to take crab from *Platalea flavipes*.—T.S.
- SAINI, H. K., & M. S. DHINDSA. 1991. **Diet of the House Sparrow in an intensively cultivated area.** *Japan. J. Ornithol.* 39: 93-100. (Dept. Zool., Punjab Agric. Univ., Ludhiana 141 004, India.)—Cereals dominated the food of *Passer domesticus*.—Y.E.
- SAINI, H. K. 1993. **Maggots in the diet of the Collared Dove.** *Bull. Brit. Ornithol. Club* 113: 263-264. (Dept. Zool., Punjab Agric. Univ., Ludhiana- 141 004, India.)—*Streptopelia decaocto*.
- SALLABANKS, R. 1993. **Fruit defenders vs. fruit thieves: winter foraging behavior in American Robins.** *J. Field Ornithol.* 64: 42-48. (Dept. Zool., North Carolina State Univ., Raleigh, NC 27695-7617 USA.)—*Turdus migratorius* territory owners feed longer, ingesting more fruits per bout and foraging more slowly than intruders.—R.A.I.
- SAMPATH, K. 1991. **Food habits of shorebirds from Great Vedaranyam Salt Swamp of Tamil Nadu, India.** *Stilt* 19: 50-52. (Govt. Higher Secondary Sch., Sathanur-606 706, Tiruvannamalai-District, Tamil Nadu, India.)
- SASAOKA, K., & Y. FUJIMAKI. 1990. **[Diet of *Tetrastes bonasia* chicks and diet composition in captivity.]** *Japan. J. Ornithol.* 39: 25-32. (Lab. Wildl. Resour. Ecol., Obihiro Univ. Agric. Vet. Med., Inada, Obihiro 080, Japan.)—Hazel Grouse.—(Japanese, Engl. summ.)
- SCHULZ, M. 1992. **Hooded Plover taken by Peregrine Falcon.** *Stilt* 21: 27. (167 South Beach Rd.,

- Bittern, Vic. 3918, Australia.)—*Charadrius rubricollis* by *Falco peregrinus*.—T.S.
- SENAR, J. C., ET AL. 1993. **Testing for the relationship between coniferous crop stability and Common Crossbill residence.** *J. Field Ornithol.* 64: 464–469. (Mus. Zool., Apdo. 593, Parc Ciutadella, 08080 Barcelona, Spain.)—Demonstrate that *Loxia curvirostra* foraging on a stable cone crop of *Pinus uncinata* are sedentary.—R.A.I.
- SMITH, G. C. 1993. **Food and feeding ecology of seabirds off the north-east Australian coast.** *Corella* 17: 131–134. (DPI For. Serv., 80 Meiers Rd., Indooroopilly, Qld. 4068, Australia.)—Foraging strategies and diet of 22 species.—I.D.E.
- SODHI, N. S. 1992. **Food-niche relationships of five sympatric north Indian herons.** *Forktail* 7: 125–130. (Dept. Vet. Anat., Univ. Saskatchewan, Saskatoon, SK S7N 0W0, Can.)—Considers *N. nycticorax*, *Egretta intermedia*, *E. garzetta*, *Ardeola grayii*, and *Bubulcus ibis*.—S.M.L.
- ŠORGO, A. 1992. **[Diet of the Barn Owl *Tyto alba* at Dravsko polje (Slovenia).]** *Acrocephalus* 55: 166–173. (Ptujška 91, 62327 Rače, Slovenia.) (Slovene, Engl. summ.)
- SOVINČ, A. 1990. **[Black-necked Grebe *Podiceps nigricollis*, prey of Yellow-legged Herring Gull *Larus cachinnans*.]** *Acrocephalus* 46: 105–106. (Pod Kostanji 44, 61000 Ljubljana, Slovenia.) (Slovene, Engl. summ.)
- STRAKA, U. 1991. **[On the food of the Great Grey Shrike, *Lanius excubitor* L., wintering on farmland in eastern Austria.]** *Ökol. Vögel* 13: 213–226. (Inst. Zool., Univ. Bodenkultur, Gregor-Mendel-Str. 33, A-1180 Wien, Austria.)—494 pellets contained 593 vertebrates (voles = 87.4%), and 1,300 arthropods (coleoptera = 73%). (German, Engl. summ.)—H.-H.W.
- SUHONEN, J., & K. INKI. 1992. **Recovery of Willow Tit food caches by other Willow Tits and by Great Tits.** *Anim. Behav.* 44: 180–181. (Konnevesi Res. Stn., Univ. Jyväskylä, SF-44300 Konnevesi, Finland.)—*Parus montanus* and *P. major*.
- SUHONEN, J., ET AL. 1992. **Food resource distribution and the organization of the *Parus* guild in a spruce forest.** *Ornis Scand.* 23: 467–474. (Dept. Zool., Uppsala Univ., Box 561, S-751 22 Uppsala, Sweden.)—Interspecific competition over food and site-dependent risk of predation govern selection of foraging sites by *Parus ater*, *P. cristatus*, *P. montanus*, and *R. regulus* in winter in central Sweden.—R.T.B.
- SZÉKELY, T., & Z. BAMBERGER. 1992. **Predation of waders (Charadrii) on prey populations: an enclosure experiment.** *J. Anim. Ecol.* 61: 447–456. (Dept. Zool., Kossuth Univ., Debrecen, H-4010, Hungary.)—Ten species of waders removed 86.6% of the prey stock.—R.A.N.
- TEATHER, K. 1992. **Foraging patterns of male and female Scissor-tailed Flycatchers.** *J. Field Ornithol.* 63: 318–323. (Dept. Zool., Cambridge Univ., Cambridge CB3 2EJ, UK.)—Finds male *Tyrannus forficatus* forage from higher perches and are less successful; females more likely to forage on the ground and be affected by wind.—R.A.I.
- THORN, T. D., & P. J. ZWANK. 1993. **Foods of migrating Cinnamon Teal in central New Mexico.** *J. Field Ornithol.* 64: 452–463. (RR 1, Box 2905, Diamond, MO 64840 USA.)—*Anas cyanoptera*.
- TIEBOUT, H. M., III. 1992. **Comparative energetics of divergent foraging modes: a doubly labelled water experiment on hummingbird competition.** *Anim. Behav.* 44: 895–906. (Dept. Biol., West Chester Univ., West Chester, PA 19383 USA.)—Territorial *Amazilia saucerottii* and trampling *Chlorostilbon canivetii*.—A.K.T.
- TOME, D. 1992. **[Diet of the Barn Owl *Tyto alba* at Ljublansko barje.]** *Acrocephalus* 51: 33–38. (Jamova 66, 61000 Ljubljana, Slovenia.) (Slovene, Engl. summ.)
- TORRE, I., J. L. TELLA, & T. BALLESTEROS. 1991. **[Barn Owl *Tyto alba* pellets containing gizzard stones and eggshell remains.]** *Butl. GCA* 8: 27–31. (Muntaner 555, A, 1^o 3^o, 08022 Barcelona, Spain.)—0.5% presence of gizzard stones and 0.12% of eggshell remains. (Spanish, Engl. summ.)—J.L.C.
- TULP, I., & P. DE GOEIJ. 1991. **Hot news from a hot place: feeding ecology studies on Knots and other waders in Broome, Northwest Australia, Spring 1991.** *Stilt* 19: 24–26. (Neth. Instit. Sea Res., P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands.)—*Calidris canutus*.
- UEDA, K., & N. FUKUI. 1992. **[Fruit food of crows *Corvus corone* and *C. macrorhynchos* analysis of seeds collected at the pre-roosting sites.]** *Japan. J. Ornithol.* 40: 67–74. (Lab. Biol., Rikkyo Univ., Ikebukuro, Tokyo 171, Japan.) (Japanese, Engl. summ.)
- ULENAERS, P., J. VAN VESSEM, & A. A. DHONT. 1992. **Foraging of the Great Crested Grebe in relation to food supply.** *J. Anim. Ecol.* 61: 659–667. (Inst. Nat. Conserv., Kiewitdreef 3, 3500 Hasselt, Belgium.)—Experimental study of *Podiceps cristatus* feeding on shallow fish ponds.—R.A.N.
- UNDERHILL-DAY, J. C. 1993. **The foods and feeding rates of Montagu's Harriers *Circus pygargus* breeding in arable farmland.** *Bird Study* 40: 74–80. (RSPB, The Lodge, Sandy, Beds. SG19 2DL, UK.)
- VALONE, T. J., & L.-A. GIRALDEAU. 1993. **Patch estimation by group foragers: What information is used?** *Anim. Behav.* 45: 721–728. (Dept. Biol., Concordia Univ., Montreal, PQ H3G 1M8, Can.)—Pairs of *Melospittacus undulatus* in laboratory experiments appear to estimate food patch quality by sampling and by using information about the distribution of food in the environment.—A.K.T.
- VELASQUEZ, C. R., & P. A. R. HOCKEY. 1992. **The importance of supratidal foraging habitats for waders at a south temperate estuary.** *Ardea* 80: 243–254. (FitzPatrick Inst., Rondebosch 7700, South

- Africa.) Based on counts of *Phoenicopterus ruber*, *Phoeniconaias minor*, *Calidris ferruginea*, *C. minuta*, *Tringa nebularia*, and 8 other migrant waders, 9 resident wader species and 8 other (African) species foraging in this area between Aug. 1988 and April 1989.—H.W.d.N.
- VELÁSQUEZ, C. R., & R. A. NAVARRO. 1993. **The influence of water depth and sediment type on the foraging behavior of Whimbrels.** *J. Field Ornithol.* 64: 149–157. (Zool. Dept., Univ. Cape Town, Rondebosch 7700, S. Africa.)—*Numenius phaeopus*.
- VILLARD, P., & C. W. BENINGER. 1993. **Foraging behavior of male Black-backed and Hairy Woodpeckers in a forest burn.** *J. Field Ornithol.* 64: 71–76. (CWB: For. Pest Manage. Inst., Sault St. Marie, ON P6A 5M7, Can.)—*Picoides arcticus* and *P. villosus*.
- WAGNER, T. 1993. **[Seasonal change in diet composition of the Red-backed Shrike (*Lanius colurio*)]**. *J. Ornithol.* 134: 1–11. (Wilhelmstr. 11, DW-5330 Königswinter 1, Germany.) (German, Engl. summ.)
- WAKELIN, M. D. 1993. **Contents of Blue Duck faeces from the Tongariro River.** *Notornis* 40: 205–212. (Sci. Res. Div., Dept. Conserv., P.O. Box 10420, Wellington, New Zealand.)—The diet of *Hymenolaimus malacorhynchos* in Dec. 1990 was variable in terms of both the proportions of species and number of invertebrates eaten.—E.O.M.
- WANLESS, S., M. P. HARRIS, & J. A. MORRIS. 1992. **Diving behavior and diet of the Blue-eyed Shag at South Georgia.** *Polar Biol.* 12: 713–720. (Inst. Terrestrial Ecol., Hill of Brathens, Banchory, Kincardineshire AB31 4BY, UK.)—During long dives, *Phalacrocorax atriceps* may be sustained by anaerobic metabolism; many items must be caught per dive when birds feed on prey with low energy value.—J.C.H.
- WATANUKI, Y. 1989. **Sex and individual variations in the diet of Slaty-backed Gulls breeding on Teuri Island, Hokkaido.** *Japan. J. Ornithol.* 38: 1–13. (Natl. Inst. Polar Res., Kaga 1, Itabashi-ku, Tokyo 173, Japan.)—*Larus schistisagus* is a dietary generalist but males show marked individual differences in choice of food for nestlings.—Y.E.
- WATSON, A. 1992. **Unripe grain, a major food for young finch-like birds.** *Scottish Birds* 16: 287. (% Inst. Terr. Ecol., Banchory, Kincardineshire AB31 4BY, UK.)
- WATSON, J., S. R. RAE, & R. STILLMAN. 1992. **Nesting density and breeding success of Golden Eagles in relation to food supply in Scotland.** *J. Anim. Ecol.* 61: 543–550. (N.C.C. Scotland, 9 Culduthel Rd., Inverness IV2 4AG, UK.)—A four-year study of *Aquila chrysaetos*.—R.A.N.
- WATTS, R. A. 1993. **Male Pallid Cuckoo feeding juvenile cuckoo.** *Austral. Birds* 26: 101–102. (Deenderrah, Upper Manilla, NSW 2346, Australia.)—*Cuculus pallidus* fed a juvenile cuckoo which then foraged successfully on the grass.—R.S.H.
- WEIMERSKIRCH, H., & R. P. WILSON. 1992. **When do Wandering Albatrosses *Diomedea exulans* forage?** *Mar. Ecol. Prog. Ser.* 86: 297–300. (Ctr. d'Etudes Biol. Chize, Ctr. Nat. Rech. Scient., F-79360 Villiers en Bois, France.)—Eighty-nine percent of prey mass caught during the day when albatrosses fly greatest distances.—J.C.H.
- WILLIAMS, T. D., ET AL. 1992. **Diving pattern and performance in nonbreeding Gentoo Penguins (*Pygoscelis papua*) during winter.** *Auk* 109: 223–234. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—Foraging activity was similar to that in breeding season.—D.C.D.
- WILSON, R. P., ET AL. 1993. **Diel dive depth in penguins in relation to diel vertical migration of prey: whose dinner by candlelight?** *Mar. Ecol. Progr. Ser.* 94: 101–104. (Inst. Meereskunde, Düsternbrooker Weg 20, W-2300 Kiel 1, Germany.)—Foraging success in *Aptenodytes patagonicus*, *Spheniscus demersus*, *Pygoscelis adeliae*, *P. papua*, and *P. antarctica* was reduced at night and dive depths were limited exclusively by ambient light levels.—J.C.H.
- WILSON, W. H., JR. 1991. **The foraging ecology of migratory shorebirds in marine soft-sediment communities: the effects of episodic predation on prey population.** *Am. Zool.* 31: 840–848. (Dept. Biol., Colby Coll., Waterville, ME 04901 USA.)—Effects of migrant shorebirds on prey populations varied among four localities studied in North America. At three of these, predation by early shorebird migrants had no significant effects on required stop-over time of later migrants at same localities.—J.S.G.
- YAN, Z. 1993. **Seed dispersal of *Amyema preissii* and *Lysiana exocarpi* by Mistletoebirds and Spiny-cheeked Honeyeaters.** *Emu* 93: 214–219. (Dept. Ecosystem Manage., Univ. New England, Armidale, NSW 2351, Australia.)—The honeyeater *Acanthogenys rufogularis* is at least as effective as *Dicaeum hirundinaceum* in mistletoe seed dispersal.—S.R.P.
- YANG, B.-R. 1993. **[On food features and nutrient analysis of Hazel Grouse in bud-feeding periods.]** *Zool. Res.* 13: 48–55. (Inst. Changbai Mtn. Natl. Reserve, Jilin 133613, China.)—Contains analysis of 64 *Tetrastes bonasia amurensis* crops from the north slope of Changbai Mountain between 1983–1989. (Chinese, Engl. summ.)—C.L.H.
- YTREBERG, N.-J. 1992. **White-tailed Eagle *Haliaeetus albicilla* hunting in a Grey Heron *Ardea cinerea* colony in Sunnmore, Norway.** *Fauna Norv. Ser. C, Cinclus* 15: 25–30. (Dept. Biol., Univ. Oslo, P.O. Box 1050, Blindern, N-0316 Oslo 3, Norway.)
- ZHANG, ET AL. 1992. **Food habits of birds in a modified desert ecosystem in central China.** *J. Arid Environ.* 22: 245–250. (Dept. Biol. Sci., Texas Tech. Univ., Lubbock, TX 79409 USA.)
- ZIPAN, W., & F. I. NORMAN. 1993. **Foods of the South Polar Skua *Catharacta maccormicki* in the easter Larsemann Hills, Princess Elizabeth Land, East**

- Antarctica.** Polar Biol. 13: 255-262. (Second Inst. Oceanogr., State Oceanic Adm., P.O. Box 507, Hangzhou, Zhejiang 310012, China.)
- ZWARTS, L., & A.-M. BLOMERT. 1992. **Why Knot *Calidris canutus* take medium-sized *Macoma balthica* when six prey species are available.** Mar. Ecol. Prog. Ser. 83: 113-128. (Rijkswaterstaat Flevoland, P.O. Box 600, 8200 AP Lelystad, Netherlands.)—Because the majority of preferred thinner-shelled prey occur deeper than bill-probing depth, and smaller prey items are unprofitable, this bivalve is the best comprise.—J.C.H.
- ZWARTS, L., A.-M. BLOMERT, & J. H. WANICK. 1992. **Annual and seasonal variation in the food supply harvestable by Knot *Calidris canutus* staging in the Wadden Sea in late summer.** Mar. Ecol. Prog. Ser. 83: 129-140. (Rijkswaterstaat Flevoland, P.O. Box 600, 8200 AP Lelystad, Netherlands.)
- GENERAL BIOLOGY—GENERAL**
- SACHS, G. 1993. **[Minimum wind strength required for dynamic soaring of albatrosses.]** J. Ornithol. 134: 435-445. (No address given.) (German, Engl. summ.)
- GENERAL BIOLOGY—AFROTROPICAL**
- BAILLON, F. 1992. **The nest and eggs of *Estrilda caerulea*.** Bull. Brit. Ornithol. Cl. 112: 274-275. (213 rue La Fayette, 75480 Paris Cedex 10, France.)
- EARLE, R. A., & L. G. UNDERHILL. 1991. **The effects of brood size on growth of South African Cliff Swallows *Hirundo spilodera* chicks.** Ostrich 62: 13-22. (Natl. Mus., P.O. Box 266, Bloemfontein, S. Africa.)—Unable to raise broods with more than four chicks.—M.R.E.
- ERIKSSON, M. O. G., & N. KAUTSKY. 1992. **Distribution of African Openbilled Storks *Anastomus lamelligerus* at Lake Kariba, Zimbabwe, in relation to density and biomass of mussels.** Tauraco 2: 47-61. (Swedish Environ. Prot. Agency, S-171 85 Solna, Sweden.)—Commonest where one species of mussel *Mutela dubia* was abundant, distribution not related to density or biomass of mussels.—M.R.E.
- EVANS, M. I. 1993. **Nest sites of Brown Nightjar *Caprimulgus binotatus* and Collared Nightjar *C. enarratus*.** Malimbus 15: 49-50. (Montrose, Llanddeiniol, Llanrhystud, Dyfed SY23 5AN, UK.)
- FIELD, G. D. 1993. **Breeding of Slender-billed Bulbul *Andropadus gracilirostris* in Sierra Leone.** Malimbus 15: 48-49. (37 Milton Grove, New Milton, Hants. BH25 6HB, UK.)—Apparently the first description of the nest and eggs of this species, supplemented by observations on breeding behavior, obtained over several years in the 1970s.—P.W.P.B.
- HAKE, M., & M. ANDERSSON. 1992. **Aspects of the breeding biology of the Long-tailed Widowbird *Euplectes progne* on the Kinangop Plateau, central Kenya.** Tauraco 2: 25-35. (Dept. Zool., Univ. Gothenburg, Box 250 59, S-400 31 Gothenburg, Sweden.)
- HARKRIDER, J. R. 1993. **Garden and farm-bush birds of Njala, Sierra Leone.** Malimbus 15: 38-46. (Biol. Dept., Cypress Coll., Cypress, CA 90630 USA.)—Observations on 95 species from Oct. 1988 to June 1989, summarized by status, habitat, and monthly occurrence.—P.W.P.B.
- HERREMANS, M., ET AL. 1993. **The Cuckoo Finch *Anomalospiza imberbe* breeding in Botswana.** Babbler 25: 21-22. (P.O. Box 131, Gaborone, Botswana.)—Parasitizing *Prinia subflava* and *Cisticola aridula*.—N.J.S.
- MOORE, A. 1993. **Breeding of the Lavender Firefinch.** Bull. Brit. Ornithol. Club 113: 191-192. (1 Uppingham Rd., Oakham, Rutland LE15 6JB, UK.)—Observations of nest building in The Gambia.—L.G.G.
- PAYNE, R. B. 1989. **Egg size of African honeyguides (Indicatoridae): specialization for brood parasitism?** Tauraco 1: 201-210. (Mus. Zool. & Dept. Biol., Univ. Michigan, Ann Arbor, Michigan 48109 USA.)—No difference relative to body size, from nearest relatives; not a specialization for parasitism.—M.R.E.
- SODEINDE, O. A. 1993. **Breeding of the Laughing Dove *Streptopelia senegalensis* in southwest Nigeria.** Malimbus 14: 60-62. (Dept. Biol. Sci., Ogun State Univ., PMB 2002, Ago-Iwoye, Nigeria.)—Observations on the nest and breeding activities related to two clutches of eggs laid in Jan. and April 1991.—P.W.P.B.
- SOROCZYNSKI, M. 1993. **Short notes on a Lappet-faced Vulture nestling in the Jwaneng Game Reserve.** Babbler 25: 36-37. (P.O. Box 371, Jwaneng, Botswana.)—*Torgos tracheliotus*.
- WALLACE, J., ET AL. 1992. **Breeding success of three species of egret in the Inner Niger Delta, Mali.** Tauraco 2: 37-45. (David Bellamy Associates, IC Mountjoy Res. Ctr., Durham DH1 3UR, UK.)—*Bubulcus ibis*, *Egretta alba*, *E. intermedia*.
- GENERAL BIOLOGY—ANTARCTIC**
- SAGAR, P. M. 1991. **Aspects of the breeding and feeding of Kerguelen and Antarctic terns at the Kerguelen Islands.** Notornis 38: 191-198. (MAF Fish., P.O. Box 8324, Riccarton, Christchurch, New Zealand.)—*Sterna virgata*, *S. vittata*.
- GENERAL BIOLOGY—AUSTRALASIAN**
- ANDREWS, M. 1993. **Further observations on nests of the Buff-breasted Paradise-Kingfisher near Mackay.** Sunbird 23: 41-43. (25 Tulloch St., Mackay, Qld. 4740, Australia.)—Documented 4 termite mounds used for nesting, plus some sightings of *Tanyiptera sylvia*.—M.T.C.
- ANGUS, R. J. 1992. **Notes on nesting Black-breasted Buzzards and other raptors in Sturt National Park.**

- Austral. Birds 26: 13-16. (55 Campbell Ave., Dee Why, NSW 2099, Australia.)—*Hamirostra melanoternon*, *Falco subniger*.
- ANGUS, R. J. 1993. **Multiple nesting attempts by a pair of Leaden Flycatchers.** Austral. Birds 26: 95-100. (55 Campbell Ave., Dee Why, NSW 2099, Australia.)—Six nesting attempts by a pair of *Myiagra rubecula* indicate failure, due to flooding of the creek following heavy rain, and one nest was possibly predated by the Lace Monitor.—R.S.H.
- BISHOP, K. D. 1992. **The Standardwing Bird of Paradise *Semioptera wallacii* (Paradisaeidae), its ecology, behaviour, status and conservation.** Emu 92: 72-78. ('Semioptera', Lot 15, Kerns Rd., Kincumber, NSW 2250, Australia.)—First description of the lekking behavior of *S. wallacii*.—S.R.P.
- DAVIES, S. 1991. **Longevity, breeding success, and faithfulness to wintering sites of Wrybill— as suggested by banding data.** Stilt 19: 26-27. (Dept. Philos., Univ. Auckland, Private Bag, Auckland, New Zealand.)—*Anarhynchus frontalis*.
- DAVIS, W. E. J., & H. F. RECHER. 1993. **Notes on the breeding biology of the Regent Honeyeater.** Corella 17: 1-4. (Coll. Basic Stud., Boston Univ., 871 Commonwealth Ave., Boston, MA 02215 USA.)—Observations on nest-building, copulation, incubation, feeding, vocalization, and aggression of *Xanthomyza phrygia*.—I.D.E.
- DEBUS, S. J. S., ET AL. 1993. **Breeding behaviour and diet of the Collared Sparrowhawk *Accipiter cirrocephalus* in Northern New South Wales.** Austral. Bird Watcher 15: 68-91. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—Behavior patterns, sex roles, voice, and growth and development of young are described.—I.D.E.
- DEBUS, S. J. S., I. A. W. MCALLAN, & A. K. MORRIS. 1993. **The Square-tailed Kite *Lophoictinia isura* in New South Wales.** Austral. Birds 26: 104-118. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—Square-tailed Kite is a spring-summer breeding migrant to NSW. An insectivorous, open forest bird requiring mature eucalypts for nesting and effective conservation for its survival.—R.S.H.
- DEBUS, S. J. S. 1991. **Further notes on territory, breeding and plumage of the Little Eagle.** Austral. Birds 25: 1-10. (Dept. Zool., Univ. New England, Armidale, NSW 2351, Australia.)—*Hieraaetus morphnoides*.
- DEBUS, S. J. S. 1993. **The mainland Masked Owl *Tyto novaehollandiae* a review.** Austral. Bird Watcher 15: 168-191. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—Literature and field observations covering morphology, behavior, distribution, habitat, diet, and breeding.—I.D.E.
- DEBUS, S. J. S. 1993. **Further notes on owls from the diaries of E. L. Hyem.** Austral. Birds 27: 22-27. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—The calling behavior, aspects of breeding, and effects of habitat disturbance on Sooty Owl *Tyto tenebricosa*, Masked Owl *T. novaehollandiae*, and Powerful Owl *Ninox strenua*.—R.S.H.
- DOWDING, J. E., & E. S. KENNEDY. 1993. **Size, age structure and morphometrics of the Shore Plover population on South East Island.** Notornis 40: 213-222. (P.O. Box 36-559, Northcote, Auckland, New Zealand.)—*Thinornis novaeseelandiae* is limited to one population of ca. 130 in the Chatham Islands, New Zealand.—E.O.M.
- DYER, P. K. 1991. **Covered entrances of Wedge-tailed Shearwater burrows.** Corella 15: 103-107. (Dept. Geogr. Sci., Univ. Qld., Qld. 4072, Australia.)—Neither covered nor cleared burrow entrances useful as indicator of occupied breeding burrows of *Puffinus pacificus*.—R.E.M.
- ELLIOT, G., K. WALKER, & R. BUCKINGHAM. 1991. **The Auckland Island Rail.** Notornis 38: 199-209. (549 Rocks Rd., Nelson, New Zealand.)—Biology of *Rallus pectoralis muelleri* on Adams Island, Auckland Group.—N.P.L.
- EVANS, S. M., ET AL. 1992. **Habitat exploitation by landbirds in the changing Western Samoan environment.** Bird Conserv. Int. 2: 123-129. (Dove Mar. Lab., Cullercoats, Tyne & Wear NE30 4PZ, UK.)—Several species have started utilizing man-modified habitats.—M.R.E.
- FRASER, T. S. 1993. **Notes on the 1991 breeding of Square-tailed Kites on the upper Murray River in South Australia.** S. Aust. Ornithol. 31: 147. (Natl. Pks. Wildl. Serv., P. O. Box 282, Berri, SA 5343, Australia.)—Record of *Lophoictinia isura* nesting in the area. Nestling appeared to be fed smaller nestlings of other species.—M.T.C.
- FRITH, C. B., & D. W. FRITH. 1993. **Nidification of the Crested Bird of Paradise *Cnemophilus macgregorii* and a review of its biology and systematics.** Emu 93: 23-33. (P.O. Box 581, Malanda, Qld. 4885, Australia.)
- FRITH, C. B., & D. W. FRITH. 1993. **The nesting biology of the Ribbon-tailed *Astrapia Astrapia mayeri* (Paradisaeidae).** Emu 93: 12-22. (P.O. Box 581, Malanda, Qld. 4885, Australia.)
- GARNETT, S. T., ET AL. 1991. **Island colonisation after possible reconnaissance by the Yellow-bellied Sunbird *Nectarinia jugularis*.** Emu 91: 185-186. (Garden St. Erth, Blackwood, Vic. 3458, Australia.)—First breeding individual to colonize an offshore island had visited the island in previous year.—R.E.M.
- GRAHAM, B. 1993. **Further notes on Hooded Robins near Canberra.** Canberra Bird Notes 18: 23-29. (63 May Maxwell Cres., Gilmore, ACT 2905, Australia.)—A study of *Melanodryas cucullata* from April 1990-Jan. 1991 at Enchanted Hill on the ACT/NSW border covering site fidelity, breeding, cooperative and foraging behavior, and moulting.—R.S.H.
- HEALEY, C. 1993. **Parent-offspring attachment in**

- the Hooded Mannikin *Lonchura spectabilis* of New Guinea. *Corella* 17: 27. (Anthropol., NT Univ., P.O. Box 40146, Casuarina, NT 0811, Australia.)—Adults relocated nest containing young that had been moved 600 m.—I.D.E.
- HEISLERS, D., & M. WESTON. 1993. An examination of the efficacy of counting Hooded Plovers in autumn in eastern Victoria, Australia. *Stilt* 23: 20-22. (21/77 Dovers Rd., Williamstown, Vic. 3111, Australia.)—Compares autumn and spring surveys to determine breeding success of *Charadrius rubricollis*.—I.D.E.
- HOLLANDS, D. 1992. Observations on a breeding pair of Collared Sparrowhawks *Accipiter cirrocephalus*. *Austral. Bird Watcher* 14: 200-203. (P.O. Box 125, Orbost, Vic. 3888, Australia.)—Sex roles, behavior and calls are described.—I.D.E.
- JORM, P. 1993. Notes on the use of nest boxes by Rosellas and an observation of an Eastern Rosella feeding young Crimson Rosellas. *Canberra Bird Notes* 18: 3-4. (15 Brinsmead St., Pearce, ACT 2607, Australia.)—A nest box has been used by *Platycercus elegans*, then *P. eximius*, followed by bees, then by Crimson Rosellas after their removal. An Eastern Rosella returned to feed the young Crimsons. Another box was not used, maybe because it was not facing north.—R.S.H.
- KERNOT, R., & S. M. HOCKING. 1992. Rose Robins at South Para Reservoir. *S. Austral. Ornithol.* 31: 122. (8 Topaz Cres., Salisbury E., SA 5109, Australia.)—Reported sightings of 2 *Petroica rosea* in Mt. Lofty Ranges in May and June 1991, out of season.—M.T.C.
- KLOMP, N. I., ET AL. 1991. Surface nesting by Little Penguins on Penguin Island, Western Australia. *Emu* 91: 190-191. (Biol. Sci., Murdoch Univ., WA 6150, Australia.)—Nest box occupation and hatching success lower in areas of higher human disturbance.—R.E.M.
- LANE, S. G. 1991. Breeding of the Short-tailed Shearwater on Muttonbird Island, New South Wales. *Corella* 15: 107. (Lot 6, Fairview Rd., Moonee, via Coffs Harbour, NSW 2450, Australia.)—Most northerly breeding record of *Puffinus tenuirostris* in Australia.—R.E.M.
- LEPSCHI, B. J. 1992. Notes on an isolated rural population of House Sparrows. *Canberra Bird Notes* 17: 73-74. (24 Fullwood St., Weston, ACT 2611, Australia.)—Small breeding population of *Passer domesticus*, 2.5 km away from the nearest homestead.—R.S.H.
- LILL, A. 1993. Breeding of Rainbow Bee-Eaters in southern Victoria. *Corella* 17: 100-106. (Dept. Ecol. Evol. Biol., Monash Univ., Clayton, Vic. 3168, Australia.)—Timing, clutch size, reproductive success, and nesting mortality of *Merops ornatus*.—I.D.E.
- LINDENMAYER, B. 1993. The use by Common Mynas of a nesting hollow possibly used on previous occasions by Galahs. *Canberra Bird Notes* 18: 45. (17 Monkman St., Chapman, ACT 2611, Australia.)—*Acridotheres tristis* raised 2 fledglings in a nest hollow previously used by *Cacatua roseicapilla*.—R.S.H.
- MATTHEW, J. 1992. Breeding of the Little Woodswallow *Artamus minor* in the Gawler Ranges. *S. Austral. Ornithol.* 31: 124. (20 Trimmer Terr., Unley, SA 5061, Australia.)—Breeding recorded in 3 localities.—M.T.C.
- MORRIS, A. K. 1993. Superb Fruit-Dove in south-eastern New South Wales. *Austral. Birds* 26: 91-95. (1 Wombat St., Berkeley Vale, NSW 2259, Australia.)—Dead and injured *Ptilinopus superbus* indicate a pattern of autumn southerly migration, most birds being injured by flying into windows at night.—R.S.H.
- PAULL, D. 1991. Foraging and breeding behaviour of the Australian Kestrel *Falco cenchroides* on the Northern Tablelands of New South Wales. *Austral. Bird Watcher* 14: 85-92. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)
- PEAKE, P., ET AL. 1993. The Masked owl *Tyto novaehollandiae* in Victoria. *Austral. Bird Watcher* 15: 124-136. (21 Faulkner St., Blackburn Sth., Vic. 3130, Australia.)—Regional distribution, habitat requirements, and diet determined from site records and subfossil deposits.—I.D.E.
- PETERS, F., & A. PETERS. 1993. Common Mynas displace Eastern Rosellas from nest hole. *Canberra Bird Notes* 18: 5. (12 Bavin St., Curtin, ACT 2605, Australia.)—*Acridotheres tristis* displaced *Platycercus eximius* from their nest hole, and drove away *Anthochaera carunculata*. There is also an absence of small birds in the garden.—R.S.H.
- POIANI, A. 1993. A possible case of intra-specific brood parasitism in the Bell Miner. *Corella* 17: 61-62. (Dept. Zool., La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Differing egg size and color within clutch suggests parasitism in *Manorina melanophrys*.—I.D.E.
- ROBERTSON, C. J. R. 1993. Survival and longevity of the Northern Royal Albatross *Diomedea epomophora sanfordi* at Taiaroa Head 1937-93. *Emu* 93: 269-276. (Sci. Res. Div., Dept. Conserv., P.O. Box 10420, Wellington, New Zealand.)—Results from a colony monitored constantly for 56 years.—S.R.P.
- ROWLEY, I., & E. RUSSELL. 1993. The Purple-crowned Fairy-Wren *Malurus coronatus*. II. Breeding biology, social organisation, demography and management. *Emu* 93: 235-251. (CSIRO, Div. Wildl. Ecol., LMB 4, P.O. Midland, WA 6056, Australia.)
- SAUNDERS, A. S. J. 1993. Seasonal variation in the distribution of the Noisy Friarbird *Philemon corniculatus* and the Red Wattlebird *Anthochaera carunculata* in eastern New South Wales. *Austral. Bird Watcher* 15: 49-59. (8 Polworth Close, Elderslie, NSW 2570, Australia.)—Some segregation by habitat, altitude, and latitude.—I.D.E.
- STRANGER, R. H. 1991. Occurrence of the White-

- winged Fairy-wren *Malurus leuconotus*, at Maylands, Western Australia. West. Austral. Nat. 18: 215-216. (28/76 East St., Maylands, WA 6051, Australia.) Two groups of wrens inhabiting riverside sapphire flats in central Perth survived wildfire and invasion by exotic grasses but not golf course construction.—M.G.B.
- STRANGER, R. H. 1991. **Breeding of the Red-kneed Plover *Charadrius cinctus* at Maylands WA.** West. Austral. Nat. 18: 223-224. (28/76 East St., Maylands, WA 6051, Australia.)
- TRUSWELL, E., & J. TRUSWELL. 1993. **Crested Shrike-tit: nesting activity.** Canberra Bird Notes 18: 6. (59 Holmes Cres., Campbell, ACT 2601, Australia.)—*Falcunculus frontatus* successfully bred in ACT.—R.S.H.
- TURNER, D. 1993. **Pelicans of the Forster/Tuncurry area.** Austral. Birds 27: 2. (23 Murray Ave., Forster, NSW 2428, Australia.)—Study of feeding habits and populations of *Pelecanus conspicillatus* in the Wallis Lake area. Species has changed from regular visitor to breeding resident, and rely on handouts from fishermen.—R.S.H.
- TZAROS, C. L. 1993. **Notes on the breeding behaviour of the red variety of the Eastern Rosella.** Austral. Bird Watcher 15: 137-142. (20 Guys Hill Rd., Strathfieldsaye, Vic. 3551, Australia.)—Erythristic female *Platycercus eximius* mated to normal male raised two broods of young of normal appearance.—I.D.E.
- ### GENERAL BIOLOGY—INDOMALAYAN
- ANDERSEN, C. Y., ET AL. 1992. **Observations on the Luzon Water Redstart *Rhyacornis bicolor* in the Mount Pulog National Park, Philippines.** Forktail 7: 147-150. (D.O.S., Vesterbrograde 140, DK-1640 Copenhagen V, Denmark.)—Little-known Philippine endemic.—S.M.L.
- DU, H., Y. CHEN, & W. ZHU. 1991. **[Observation on the breeding habits of the Collared Scops-Owl.]** Zool. Res., Kunming 12: 186. (No address given.)—*Otus bakkamoena*.—(Chinese.)
- DUTSON, G. C. L., & J. L. NEWMAN. **Observations on the Superb Pitta *Pitta superba* and other Manus endemics.** Bird Conserv. Int. 1: 215-222. (Selwyn Coll., Cambridge CB3 9DQ, UK.)—Results of survey in 1990.—M.R.E.
- GEBAUER, A., & M. KAISER. 1994. **[Biology and behaviour of Central Asiatic Snow Finches (*Montifringilla*) and Mountain-steppe Sparrows (*Pyrgilauda*)]** J. Ornithol. 135: 55-71. (Tierpark Görlitz, Zittauer Str. 43, D-02826 Görlitz, Germany.) (German, Engl. summ.)
- HAN, D., & Q. WANG. 1993. **[Ecology of Joretian Koklass Pheasant.]** Zool. Res. 14: 27-34. (Dept. Biol., Anhui Univ., Hefei 230039, China.) (Chinese, Engl. summ.)
- ITO, I., & Y. FUJIMAKI. 1990. **[Birds of parks in Obihiro City, eastern Hokkaido.]** Japan. J. Ornithol. 38: 119-129. (Lab. Wildl. Resour. Ecol., Obihiro Univ. Agric. Vet. Med., Inada, Obihiro 080, Japan.) (Japanese, Engl. summ.)
- LAMAN, T. G. 1992. **Composition of mixed-species foraging flocks in a Bornean rainforest.** Malayan Nat. J. 46 (2): 131-144. (Biol. Lab., Harvard Univ., 16 Divinity Ave., Cambridge, MA 02138 USA.)—Describes the composition of mixed-species flocks in primary rainforest at Gunung Palung National Park, West Kalimantan, Indonesia, in terms of habitat.—C.L.H.
- MAHABAL, A., D. B. BASTAWADE, & V. G. VAIDYA. 1990. **Spatial and temporal fluctuations in the population of Common Myna *Acridotheres tristis* (Linnaeus) in and around an Indian city.** J. Bombay Nat. Hist. Soc. 87: 392-398. (High Altitude Zool. Field Stn., Zool. Surv. India, Hospital Rd., Solan 173 212, Himachal Pradesh, India.)—Pre-breeding, breeding and post-breeding seasons observed at Pune, as well as dispersal among communal roosts.—M.V.H.
- PRICE, T., & N. JAMDAR. 1991. **Breeding biology of the Yellowbrowed Leaf Warbler *Phylloscopus inornatus* in Kashmir.** J. Bombay Nat. Hist. Soc. 88: 1-16. (Dept. Biol. C-016, Univ. California San Diego, La Jolla, CA 92093 USA.)—349 nests studied 1985-87; up to 4 prs/hectare; clutch 1-5; 20% nest predation.—M.V.H.
- ROBILLER, F. 1992. **[Renauld's Ground-Cuckoo *Carpococcyx renauldi* and its breeding in the research station Ornis Mallorca.]** Trop. Vögel 13: 92-97. (Vogelpark Walsrode, Am Rieselbach, D-W-3030 Walsrode, Germany.)—Description of habits and the raising of a brood of Coral-billed Ground-Cuckoos by hand. (German, Engl. summ.)—M.R.E.
- SAI, D. 1993. **[A preliminary study on reproduction of White-fronted Shearwater (*Puffinus leucomelas*)]** Zool. Res. 14 (2): 117, 142, 149, 157. (Biol. Dept., Shandong Teachers' Univ., Jinan 250014, China.) (Chinese.)
- SHARMA, S. K. 1992. **Relationship between canopy density and breeding behaviour of *Ploceus philippinus* (Linn.) and *Ploceus benghalensis* (Linn.).** J. Bombay Nat. Hist. Soc. 89: 78-83. (World For. Arboretum, Jhalana Dungri, Jaipur 302 004, Rajasthan, India.)—Open canopy preferred.—M.V.H.
- STAHL, J. C., & J. A. BARTLE. 1991. **Distribution, abundance and aspects of the pelagic ecology of Barau's Petrel (*Pterodroma baraui*) in the south-western Indian ocean.** Notornis 38: 211-225. (Sch. Biol. Sci., Victoria Univ., Wellington, New Zealand.)
- UEDA, K. 1992. **[Food of the Yellow Bittern *Ixobrychus sinensis* in boluses regurgitated by nestlings.]** J. Yamashina Inst. Ornithol. 24: 13-17. (Lab. Biol., Rikkyo Univ., Ikebukuro, Tokyo 171, Japan.) (Japanese, Engl. summ.)
- ZHANG, Y., ET AL. 1993. **[Breeding habitat selection of the Relict Gull and the wetland bird commu-**

nity around its breeding sites.] Zool. Res. 14: 128-135. (Inst. Zool., Acad. Sinica, Beijing 100080, China.) (Chinese, Engl. summ.)

GENERAL BIOLOGY—NEARCTIC

- ALBERICO, J. A. R., J. M. REED, & L. W. ORING. 1992. Non-random philopatry of sibling Spotted Sandpipers *Actitis macularia*. *Ornis Scand.* 23: 504-508. (Ecol., Evol., & Conserv. Biol. Prog., RWF 1000 Valley Rd., Univ. Nevada, Reno, NV 89512 USA.)—Data from color-marked population in Minnesota from 1975-1991.—R.T.B.
- ANDREWS, E. 1992. Barn Owl nest relocated successfully on Nantucket. *N. Am. Bird Bander* 17: 33. (Box 1182, Nantucket, MA 02554 USA.)—*Tyto alba* nesting six miles from earlier known nesting site.—R.B.C.
- AVERY, M. L., & C. VAN RIPER. 1993. Post-breeding territoriality and foraging behavior in Costa's Hummingbird (*Calypte costae*). *Southwest. Nat.* 38: 374-377. (U.S. Dept. Agric., Florida Field Stn., 2820 E. University Ave., Gainesville, FL 32601 USA.)
- BELANT, J. L. 1992. A Common Loon nest containing four eggs. *Passenger Pigeon* 54: 234-236. (U.S. Dept. Agric., Denver Wildl. Res. Ctr., 6100 Columbus Ave., Sandusky, OH 44870 USA.)—*Gavia immer*.
- BENDEL, P. R., & G. D. THERRES. 1990. Nesting biology of Barn Owls from Eastern Shore marshes. *Maryland Birdlife* 46: 119-123. (Maryland Dept. Nat. Resour., P.O. Box 68, Wye Mills, MD 21679 USA.)—Nesting season, clutch-sizes, hatching and nesting success, renesting, etc. for *Tyto alba* in Maryland.—R.B.C.
- BOLDUAN, B. 1994. Gyrfalcon in Kossuth County. *Iowa Bird Life* 64: 21-22. (117 Lake Pk. Blvd., Fairmont, MN 56031 USA.)—First documented Iowa record of *Falco rusticolus*, 27 Mar. 1992.—J.J.D.
- BURNETTE, D. E. 1994. Apparent predation of Common Grackle fledgling by eastern chipmunk. *Chat* 58: 53-54. (Div. Arts & Sci., Guilford Tech. Commun. Coll., P.O. Box 309, Jamestown, NC 27282 USA.)—*Quiscalus quiscula* fledgling apparently freshly killed by *Tamias striatus*.—E.F.P.
- BURTON, K. M. 1993. The history of the Loggerhead Shrike (*Lanius ludovicianus*) in Indiana. *Indiana Audubon Q.* 71: 43-46. (P.O. Box 309, Petersburg, AK 99833 USA.)
- COLLISTER, D., & H. GILES. 1993. A late nesting of the Great Gray Owl. *Blue Jay* 51: 199-200. (3425 Lane Cres. SW, Calgary, AB T3E 5X2, Can.)—*Strix nebulosa*.
- COOPER, S. 1994. Roof-nesting Least Terns from Craven County, North Carolina. *Chat* 58: 56-58. (5425 Andover Rd., Wilmington, NC 28403 USA.)—Eight nests with eggs on tar-and-gravel roof at a New Bern shopping mall, May 1989; *Sterna antillarum* seen carrying fish to site, 1990-1993; primary feeding area apparently Neuse River, 3 mi. from nesting site.—E.F.P.
- DARVEAU, M., ET AL. 1993. Nesting success, nest sites and parental care of the Least Flycatcher in declining maple forests. *Can. J. Zool.* 71: 1592-1601. (Dépt. Biol., Univ. Laval, Ste.-Foy, PQ G1K 7P4, Can.)—*Empidonax minimus*.
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- FERGUSON, J., & S. FERGUSON. 1991. Chimney Swifts choose hollow oak tree for nesting site. *Migrant* 64: 97-98. (5400 Kimbark Woods, Memphis, TN 38134 USA.)—*Chaetura pelagica*.
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- MURRAY, R., & M. W. MCDAVIT. 1993. **First nesting records of Piping Plover in South Carolina.** Chat 57: 10-11. (4387 8th Ave., Little River, SC 29566 USA.)—Territorial adults and flightless chicks of *Charadrius melodus* found on Waites Island, Horry County, near North Carolina border.—E.F.P.
- NERO, R. W. 1993. **Lark Bunting—eastern prairie marvel.** Blue Jay 51: 30-33. (Box 24, 1495 St. James St., Winnipeg, MB R3H 0W9, Can.)—*Calamospiza melanocorys*.
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- SIMPSON, M. B., JR. 1993. **Pied-billed Grebe breeding records in the southern Blue Ridge Mountains.** Chat 57: 7-8. (Dept. Pathol., George Washington Univ. Sch. Med., 901 23rd St. NW, Washington, DC 20037 USA.)—First positive evidence of *Podilymbus podiceps* breeding in mountains (Watauga and Haywood counties) of North Carolina.—E.F.P.
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- STRAVERS, J., & K. MCKAY. 1993. **Red-shouldered Hawk reproductive success in Iowa during 1993.** Iowa Bird Life 63: 91-92. (Box 332, Pella, IA 50219 USA.)—*Buteo lineatus*; reduced because of flooding.—J.J.D.
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- WOOD, B. 1993. **Scarlet Tanager nest in Richland County, S.C.** Chat 57: 46-47. (117 Michael Rd., Blythewood, SC 29016 USA.)—First breeding record for *Piranga olivacea* from Lower Piedmont of state.—E.F.P.
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Special Publications

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IDENTIFICATION

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- BENNETT, D. C., ET AL. 1992. **Suspected sodium toxicity in hand-reared Great Blue Heron (*Ardea herodias*) chicks.** Avian Dis. 36: 743-748. (Dept. Anim. Sci., Univ. British Columbia, Vancouver, BC V6T 1Z4, Can.)—Of 20 chicks hand-reared, all 7 fed commercial herring frozen in seawater and 8 of 10 fed herring and fresh salmonids died within 15 days; those fed only salmonids survived. Necropsy showed renal damage from the Na levels. Older herons fed herring did well.—M.H.C.

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- a comparison of three montane regions of the old world: Pyrenees, Himalayas and Bale mountains.] *Acta biol. mont.* 10: 159-178. (AROMP, Mus. d'Hist. Nat., 31000 Toulouse, France.)—Prey abundance is major factor determining raptor diversity. (French.)—B.J.H.
- CROWE, T. M. 1993. Validation of some newly proposed names for francolins (Phasianidae). *Bull. Brit. Ornithol. Club* 113: 191. (FitzPatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa.)
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- HINKELMANN, C. 1992. [Burrowing Owls *Athene cucularia*—a review.] *Trop. Vögel* 13: 71-79. (Brandmeierstr. 11, D-W-3000 Hannover 51, Germany.)—Reviews current information on systematics, breeding, and distribution. (German, Engl. summ.)—M.R.E.
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- SUMMERS-SMITH, J. D. 1993. New distributional records for House Sparrow *Passer domesticus*. *Bull. Brit. Ornithol. Club* 113: 62. (Merlewood, The Avenue, Guisborough, Cleveland TS14 8EE, UK.)—Curacao, Alaska, and Japan.—L.G.G.

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- TAXONOMY, SYSTEMATICS, AND FAUNISTICS—GENERAL
- BROWNING, M. R. 1993. Taxonomy of the blue-crested group of *Cyanocitta stelleri* (Steller's Jay) with a description of a new subspecies. *Bull. Brit. Ornithol. Club* 113: 34-41. (Natl. Biol. Surv., Natl. Mus. Nat. Hist., Washington, DC 20560 USA.)—Variation is most pronounced in color of back and color and length of crest; 7 subspecies in addition to *C. s. phillipsi* found in San Luis Potosi, Guanajuato, and Hidalgo.—L.G.G.
- CLARK, W. S. 1992. The taxonomy of Steppe and Tawny eagles with criteria for separation of museum specimens and live eagles. *Bull. Brit. Ornithol. Club* 112: 150-157. (4554 Shetland Green Rd., Alexandria, VA 22312 USA.)—*Aquila nipalensis* and *A. rapax*.
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- ASH, J. S. 1992. Northern White-tailed Bush Lark *Mirafra albicauda*, Singing Bush Lark *M. cantilans* and Friedmann's Bush Lark *M. pulpa* in Ethiopia. *Bull. Brit. Ornithol. Club* 112: 247-250. (Godshill Wood, Fordingbridge, Hants. SP6 2LR, UK.)
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- BRETAGNOLLE, F. 1993. **An annotated checklist of birds of northeastern Central African Republic.** *Malimbus* 15: 6-16. (CEPE-CNRS, Rte. Mende, BP 5051, 30433 Montpellier Cedex, France.)—Estimates of status and abundance of 232 species from an area not covered by previous checklists, based on observations in March, May, June, and Aug. 1988.)—P.W.P.B.
- BREWSTER, C. A. 1992. **European Marsh Harriers *Circus aeruginosus* at Lerala Pan.** *Babbler* 24: 24. (Private Bag 002, Sefhare, Botswana.)—3 individuals Feb.-March 1991; first Botswana records.—N.J.S.
- BREWSTER, C. A. 1993. **Notes on the birds of the Tswapong South area.** *Babbler* 25: 6-20. (Private Bag 002, Sefhare, Botswana.)—Selected species account for area centred 23°05'S, 27°35'E.—N.J.S.
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- CLANCEY, P. A. 1992. **On southern African subspecies of the Blackcollared Barbet *Lybius torquatus* (Dumont 1816).** *Durban Mus. Novit.* 17: 21-22. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)
- CLANCEY, P. A. 1993. **Subspeciation in the austral African Thick-billed Lark.** *Bull. Brit. Ornithol. Club* 113: 173-178. (Durban Natl. Sci. Mus., P.O. Box 4085, Durban 4000, South Africa.)—New race *Galerida magnirostris sedentaria* occurs s.w. Great Namaqualand, Namibia, eastwards through the Karoo regions of the Cape interior, and north to the Karoo county of w. Griqualand.—L.G.G.
- CLANCEY, P. A. 1993. **The status of the *Cisticola aberrans* subspecies *C. a. nyika* Lynes, 1930.** *Bull. Brit. Ornithol. Club* 113: 18-21. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)
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- DEVISSE, R. 1992. **[First observation in Senegal of the Mottled Swift *Tachymarptis aequatorialis*.]** *Malimbus* 14: 16. (34, rue Emile Debrie, 80450 Camon, France.) (French.)
- DICKERMAN, R. W. 1993. **On the validity of *Ceyx (Myioceyx) lecontei ruficeps*.** *Bull. Brit. Ornithol. Club* 113: 255-257. (Amer. Mus. Nat. Hist., Central Park W. at 79th St., New York, NY 10024 USA.)—Recent collections throughout species range point to two distinct races; *ruficeps* west of the Dahomey gap and *lecontei* (with *ugandae* as a synonym) east of the gap.—L.G.G.
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- GERMAIN, M. 1992. [Some erroneous data concerning the avifauna of la Lobaye, Central African Republic.] *Malimbus* 14: 1-6. (44 rue Cluseret, 92150 Suresnes, France.)—Corrections to a paper published in *Malimbus* 10: 177-200. (French, Engl. summ.)—P.W.P.B.
- GREEN, A. A., & R. W. CARROLL. 1991. **The avifauna of Dzanga-Ndoki National Park and Dzanga-Sangha Rainforest Reserve, Central African Republic.** *Malimbus* 13: 49-66. (WWF Korup Project, P.O. Box 303, Buea, S.W. Prov., Cameroon.)—Status, abundance ratings, habitat descriptions, and migration dates for 254 species recorded 1981 and 1984-90 in a new national park and buffer zone reserve in the extreme south of the C.A.R.—P.W.P.B.
- HERREMANS, M., & D. HERREMANS. 1992. **New records of the Croaking Cisticola *Cisticola natalensis* in Botswana.** *Babbler* 24: 20-21. (P.O. Box 131, Gaborone, Botswana.)
- HERREMANS, M. 1992. **New records of the European Reed Warbler *Acrocephalus scirpaceus* from Botswana.** *Babbler* 24: 10-13. (P. O. Box 131, Gaborone, Botswana.)
- HERROELEN, P. 1993. [Second observation of an Oyster-catcher *Haematopus ostralegus* in Zaïre.] *Malimbus* 15: 47. (Leuvensesteenweg 347, B-3370 Boutersem, Belgium.) (French.)
- ILES, D. 1993. **White-backed Night Heron *Nycticorax leuconotus* in Sierra Leone.** *Malimbus* 15: 47-48. (Waylands, East Hanney, Oxon OX12 0JE, UK.)
- JONES, R. M. 1991. **The status of larks in The Gambia, including first records of Sun Lark *Galerida modesta*.** *Malimbus* 13: 67-73. (Garden Flat, 29 Stonor Rd., London W14 8RZ, UK.)—Detailed notes and discussion for 5 species based on observations made 1987-91.—P.W.P.B.
- JONES, R. M. 1992. **European Crag Martin *Ptyonoprogne rupestris* in The Gambia.** *Malimbus* 14: 21-23. (51 Lee Terr., Blackheath, London SE3 9TA, UK.)
- LOUETTE, M., & P. HERROELEN. 1993. **Status of migratory Cuckoo cuckoos in Zaïre.** *Bull. Brit. Ornithol. Club* 113: 147-152. (Koninklijk Mus. voor Midden-Afrika, 3080 Tervuren, Belgium.)
- MANNERS, G. R., ET AL. 1993. **Purple Gallinule *Porphyrio porphyrio*, further sightings in Cameroon.** *Malimbus* 14: 59. (c/o FCO (Yaoundé), King Charles St., London SW1A 2AH, UK.)
- OAKE, K., & M. HERREMANS. 1992. **The Buffspotted Flufftail *Sarothrura elegans* new to Botswana.** *Babbler* 24: 18-19. (P.O. Box 108, Gaborone, Botswana.)—Collected 1,000 km w. of normal range.—N.J.S.
- OTTOSSON, U. 1993. **An observation of Bataleur *Terathopius ecaudatus* in Northern Tunisia.** *Bull. Brit. Ornithol. Club* 113: 62-63. (Dept. Ecol., Univ. Lund, S-223 62 Lund, Sweden.)
- PENRY, E. H. 1993. **Preview of the Bird Atlas of Botswana.** *Babbler* 25: 27-31. (P.O. Box 861, Orkney, Transvaal 2620, South Africa.)—Publication date late 1993.—N.J.S.
- RANDALL, R. 1993. **Rare birds to look for in the Kasane/north Chobe area.** *Babbler* 25: 23-26. (P.O. Box 266, Kasane, Botswana.)
- ROBERTSON, I. 1993. **Unusual records from Cameroon.** *Malimbus* 14: 62. (1 Cent. Ave., Clitheroe, Lancs. BB7 2PZ, UK.)—5 species observed Feb.-March 1992.—P.W.P.B.
- ROBERTSON, I. 1993. **Horus Swift *Apus horus*, new to Cameroon.** *Malimbus* 14: 63-64. (1 Cent. Ave., Clitheroe, Lancs. BB7 2PZ, UK.)
- SALA, A. 1991. [The Purple Gallinule *Porphyrio porphyrio madagascariensis* at Yaoundé, Cameroon.] *Malimbus* 13: 78. (H-10 Cité Verte, BP 185, Yaoundé, Cameroon.)—The first record for the country, a breeding pair, June 1990-June 1991. (French.)—P.W.P.B.
- SAUVAGE, A. 1993. [Additional notes on the avifauna of Niger.] *Malimbus* 14: 44-47. (14 Porte de Bourgogne, 08000 Charleville-Mézières, France.)—51 species observed and ringed 1971-75. (French, Engl. summ.)—P.W.P.B.
- TYE, A., & L. R. MACAULAY. 1993. **The races of Olive Sunbird *Nectarinia olivacea* on the Gulf of Guinea islands.** *Malimbus* 14: 65-66. (SLP 1, Amani, Tanga, Tanzania.)—The endemic race *N. o. obscura* is confined to Bioko.—P.W.P.B.
- TYE, A. 1991. **A new subspecies of Forest Scrub Robin *Cercotrichas leucosticta* from West Africa.** *Malimbus* 13: 74-77. (P.O. Box 1, Amani, via Muheza, Tanga, Tanzania.)—*C. l. colstoni* from Mt. Nimba (Liberia) and from Ivory Coast.—P.W.P.B.
- VAN OUWERKERK, R. 1992. **Grey Phalarope *Phalaropus fulicarius* in northern Cameroon.** *Malimbus* 14: 25. (Dorpsweg 27, 4389 TS Ritthem, Netherlands.)
- WACHER, T. 1993. **Some new observations of forest birds in The Gambia.** *Malimbus* 15: 24-37. (KKWRC, % NCWCD, P.O. Box 61681, Riyadh 11575, Saudi Arabia.)—Summary of occurrence and behavior records of 19 species obtained from 1987 to 1993, indicating that most forest-adapted species are still present despite extensive deforestation.—P.W.P.B.
- WALL, H. 1992. **A Cape Robin *Cossypha caffra* in Gaborone—first record for Botswana.** *Babbler* 24: 26-27. (P.O. Box 40321, Gaborone, Botswana.)—Small westerly range extension.—N.J.S.
- WILLIAMS, E. 1992. **Red-shouldered Cuckoo-Shrike *Campephaga phoenicea* on Mt. Oku, Cameroon.**

Malimbus 14: 15. (17 Sycamore Close, Upton, Wirral, Merseyside, L49 4QL, UK.)

TAXONOMY, SYSTEMATICS, AND FAUNISTICS – ANTARCTIC

HEATWOLE, H., ET AL. 1991. **Birds of the northern Prince Charles Mountains, Antarctica.** Corella 15: 120–122. (Dept. Zool., Univ. New England, Armidale, NSW 2351, Australia.)—*Catharacta macrorhynchos*, *Pagodroma nivea*, *Oceanites oceanicus*.

TAXONOMY, SYSTEMATICS, AND FAUNISTICS – AUSTRALASIAN

BRANSBURY, J. 1992. **Fairy Tern breeding records from south-eastern South Australia.** S. Austral. Ornithol. 31: 97. (100 Fisher St., Fullarton, SA 5063, Australia.)—*Sterna nereis* breeding data for 4 sites.—M.T.C.

BURTON, A. C. G., & A. K. MORRIS. 1993. **New South Wales annual bird report – 1990.** Austral. Birds 26: 89–120. (1 Wombat St., Berkeley Vale, NSW 2259, Australia.)—Twenty-first bird report summarizes the more significant observations within NSW.—R.S.H.

CARPENTER, G., & J. MATTHEW. 1992. **Western records of the Mallee Emu-wren *Stipiturus mallee*.** S. Austral. Ornithol. 31: 125. (3 Lindsay Terr., Belair, SA 5052, Australia.)—2 new records.—M.T.C.

CLANCY, G. P. 1993. **A Northern Rivers record of the Blue Petrel.** Austral. Birds 26: 103. (56 Armidale Rd., Coutts Crossing, NSW 2460, Australia.)—The northernmost record of *Halobaena caerulea* was beachwashed and identified by a full description.—R.S.H.

CLARK, N. 1993. **A Canberra sighting of the "Italian" sparrow.** Austral. [Birds 18]: 1–2. (24 Adair St., Scullin, ACT 2614, Australia.)—Sightings of an unusual plumage variant of *Passer domesticus*.—R.S.H.

CONOLE, L. 1993. **Notes on the fauna of a small Western Plains woodland remnant near Winchelsea, Victoria.** Vic. Nat. 110: 125–127. (2/45 Virginia St., Newtown, Vic. 3220, Australia.)—37 woodland, farmland, and wetland species listed.—I.D.E.

COURTNEY, J. 1993. **Comments on the taxonomic position of the Galah *Cacatua roseicapilla*.** Austral. Bird Watcher 15: 60–67. ('Ashgrove', Swan Vale, via Glen Innes, NSW 2370, Australia.)—Rejects inclusion in *Eolophus* on behavioral and morphological features.—I.D.E.

DAVEY, C. 1991. **Numbers and distribution of the Common Myna in Canberra in July 1990.** Canberra Bird Notes 16: 41–48. (24 Bardsley Pl., Holt, ACT 2615, Australia.)—A 9-day survey of *Acridotheres tristis*, which was introduced to Canberra in 1968, along the suburban streets and paths.—R.S.H.

DAVEY, D. 1992. **Additional sightings of the Common Myna.** Canberra Bird Notes 17: 74–75. (24 Bar-

dsley Place, Holt, ACT 2615, Australia.)—In July 1991 a survey of *Acridotheres tristis* concluded that they are widely distributed in southern Canberra and a few locations in Belconnen.—R.S.H.

DEBUS, S. J. S. 1991. **An annotated list of N[ew] S[outh] W[ales] records of the Red Goshawk.** Austral. Birds 24: 72–89. (Dept. Zool., Univ. New England, Armidale, NSW 2351, Australia.)—*Erythrotriorchis radiatus*.

DEBUS, S. J. S. 1993. **Further comments on the Square-tailed Kite in South Australia.** S. Austral. Ornithol. 31: 145–146. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—Additional comments to Debus (1990) paper confirming unusual sightings of *Lophoictinia isura*.—M.T.C.

DOWDING, J. E., & E. C. MURPHY. 1993. **Distribution and breeding of the Spur-winged Plover on Stewart Island.** Notornis 40: 227–229. (P.O. Box 2044, Christchurch, New Zealand.)—*Vanellus miles novae-hollandiae* is now widespread and established on Stewart Island.—E.O.M.

ELVISH, R., & T. A. WALKER. 1991. **Seabird Islands No. 211: Bramble Cay, Great Barrier Reef, Queensland.** Corella 15: 109–111. (P.O. Box 185, St. Lucia, Qld. 4810, Australia.)—Description of island, seabirds, and factors assessing status.—R.E.M.

FRANCIS, J. J. 1992. **A Masked Owl in the north-east of South Australia.** S. Austral. Ornithol. 31: 93–94. (P.O. Box 35, Gympie, NSW 2227, Australia.)—First authenticated recent record of *Tyto novaehollandiae* at Lake Toontoowaranie.—M.T.C.

GREGORY, P. A., & G. R. JOHNSTON. 1993. **Birds of the cold tropics: Dokfuma, Star Mountains, New Guinea.** Bull. Brit. Ornithol. Club 113: 139–145. (P.O. Box 69, Tabubil, W. Province, Papua New Guinea.)—Data on 22 species based on 45 hours of observations; *Melidectes nouhuysi* reported for the first time.—L.G.G.

HADDEN, D. 1993. **First Spotless Crake's nest for the South Island.** Notornis 40: 231–232. (288 Yaldhurst Rd., Christchurch 8004, New Zealand.)—*Porzana tabuensis*.

KING, B. R. 1993. **The status of Queensland seabirds.** Corella 17: 65–92. (Dec., formerly Queensland. Mus., Flinders St., Townsville, Qld. 4810, Australia.)—Breeding records of 21 species in 58 major and 27 minor colonies with discussion of island type, vegetation, and conservation issues.—I.D.E.

KITCHENER, A. C., A. A. MACDONALD, & P. HOWARD. 1993. **First record of the Blue Crowned Pigeon *Goura cristata* on Seram.** Bull. Brit. Ornithol. Club 113: 42–43. (R. Mus. Scotland, Chambers St., Edinburgh EH1 1JF, UK.)—A few km inland from Wahai (2°48'S, 129°35'E).—L.G.G.

LANE, S. G., & H. HEATWOLE. 1991. **Seabird islands No. 214: Distant Cay, Great Barrier Reef, Queensland.** Corella 15: 117–118. (Lot 6 Fairview Rd., Moolanee, via Coffs Harbour, NSW 2450, Australia.)—

- Describes island, seabirds, and factors affecting their status.—R.E.M.
- MATTHEW, J., & G. CARPENTER. 1993. **Recent bird records from east of Lake Gairdner, Gawler Ranges, S.A. S.** Austral. Ornithol. 31: 127-131. (20 Trimmer Terr., Unley, SA 5061, Australia.)—Accounts of 20 species recorded at Nonning Station between 1985-1991.—M.T.C.
- MATTHEW, J., & R. KERNOT. 1992. **Records of the Slate-backed Thornbill from the Great Victoria Desert.** S. Austral. Ornithol. 31: 123. (20 Trimmer Terr., Unley, SA 5061, Australia.)—Record of *Acanthiza robustirostris* at its most southerly range in open mulga woodland.—M.T.C.
- MCLEAN, I. G., & R. B. RUSS. 1991. **The Fiordland Crested Penguin survey, stage 1: Doubtful to Milford Sounds.** Notornis 38: 183-190. (Dept. Zool., Univ. Canterbury, Christchurch, New Zealand.)—Nest and adult census of *Eudyptes pachyrhynchus*.—N.P.L.
- MILLS, K. 1991. **An analysis of the records of the Crested Hawk in the Sydney Region and an observation of the species at Appin.** Austral. Birds 24: 89-95. (Dept. Geogr., Univ. Wollongong, NSW 2500, Australia.)—*Aviceda subcristata* probably a straggler to Sydney.—T.S.
- MORRIS, A. K. 1991. **Hudsonian Godwit: First Australian and New South Wales record.** Austral. Birds 25: 24-25. (1 Wombat St., Berkeley Vale, NSW 2259, Australia.)—*Limosa haemastica*.
- MORRIS, A. K. 1993. **Second report of the New South Wales ornithological records appraisal committee June 1993.** Austral. Birds 26: 121-133. (1 Wombat St., Berkeley Vale, NSW 2259, Australia.)—Appraisal of 38 submissions of birds rare in NSW and Lord Howe Island.—R.S.H.
- MORTON, S. R., K. G. BRENNAN, & M. D. ARMSTRONG. 1993. **Distributions and abundance of grebes, pelicans, darters, cormorants, rails and terns in the Alligator Rivers Region, Northern Territory.** Wildl. Res. 20: 203-217. (Alligator Rivers Reg. Res. Inst., Jabiru, NT 0886, Australia.)—Based on aerial and ground surveys 1981-84.—M.G.B.
- NEILSEN, L. 1992. **Spotless Crane at Paluma, North Queensland.** Sunbird 22: 85-86. (P.O. Box 903, Mossman, Qld. 4873, Australia.)—Dead *Porzana tabuensis* found 75 km north-west of Townsville.—M.T.C.
- PEDLER, L. 1992. **Review of the status and distribution of the Chestnut-breasted Whiteface *Aphelocephala pectoralis*.** S. Austral. Ornithol. 31: 79-93. (24 Holbrooks Rd., Flinders Pk., SA 5025, Australia.)—Found in 7 previously reported and 7 new localities in South Australia, with a total species population estimated at less than 6000.—M.T.C.
- POSSINGHAM, H. P. 1993. **Southern Emu-wrens in the Koppio Hills and near Edillilie, Eyre Peninsula.** S. Austral. Ornithol. 31: 143. (61 Salop St., Beulah Pk., SA 5067, Australia.)—Details of three observations of *Stipiturus malachurus parimeda*, including notes on habitat.—M.T.C.
- ROBERTS, P. 1993. **Kookaburras: extension of range.** Austral. Birds 27: 11. (33 Caryle Rd., Lindfield, NSW 2070, Australia.)—*Dacelo novaeguineae* inhabiting river redgums in south-west Queensland.—R.S.H.
- ROBINSON, D., & J. C. Z. WOJNARSKI. 1992. **A review of records of the Northern Shrike-tit *Falcunculus frontatus whitei* in northwestern Australia.** S. Austral. Ornithol. 31: 111-117. (Conserv. Comm. North. Territories, P.O. Box 496, Palmerston, NT 0830, Australia.)—Only 26 records from 22 localities since 1910 indicate limited and sparse distribution and may be due to the bark-foraging habits of this species.—M.T.C.
- ROSE, A. B. 1993. **Notes on the Powerful Owl in New South Wales.** Austral. Birds 26: 134. (61 Boundary St., Forster, NSW 2428, Australia.)—9 sightings of *Ninox strenua* in the Sydney region and 8 in other regions during the period 1970-1980.—R.S.H.
- SCHODDE, R. 1992. **Towards stabilizing the nomenclature of Australian birds: neotypification of *Myzomela sanguinolenta* (Latham, 1801), *Microeca fascians* (Latham, 1801) and *Microeca leucophaea* (Latham, 1801).** Bull. Brit. Ornithol. Club 122: 185-190. (CSIRO, Div. Wildl. Ecol., P.O. Box 84, Lyneham, A.C.T. 2602, Australia.)
- SCHODDE, R. 1993. **Geographic forms of the Regent Parrot *Polytelis anthopeplus* (Lear), and their type localities.** Bull. Brit. Ornithol. Club 113: 44-47. (CSIRO, Div. Wildl. Ecol., P.O. 84, Lyneham, ACT 2602, Australia.)—Subsp. nov. *P. a. monarchoides*.—L.G.G.
- SCHODDE, R. 1993. **Stabilization of the scientific name for the White-browed Treecreeper (Climacteridae) by neotypification.** Bull. Brit. Ornithol. Club 113: 230-232. (CSIRO, Div. Wildl. Ecol., P.O. Box 84, Lyneham, ACT 2602, Australia.)
- SCHODDE, R., & I. J. MASON. 1991. **Subspeciation in the Western Whipbird *Psophodes nigrogularis* and its zoogeographical significance, with descriptions of two new subspecies.** Emu 91: 133-144. (CSIRO, Div. Wildl. Ecol., Gungahlin, ACT 2602, Australia.)—Four subspecies are recognized and the zoogeography and implications for conservation are discussed.—R.E.M.
- SCHODDE, R., I. J. MASON, & J. T. WOOD. 1993. **Geographical differentiation in the Glossy Black-Cockatoo *Calyptorhynchus lathami* (Temminck) and its history.** Emu 93: 156-166. (CSIRO, Div. Wildl. Ecol., P.O. Box 84, Lyneham, ACT 2602, Australia.)—Recognizes three subspecies, one of which, *C. lathami erebus*, is new.—S.R.P.
- SHAUGHNESSY, P. D., & N. G. CHESHIRE. 1991. **Totally white Southern Giant-Petrel from Tasmanian waters.** Corella 15: 119. (CSIRO, Div. Wildl. Ecol., P.O. Box 84, Lyneham, ACT 2607, Australia.)—First

- sighting of totally white morph of *Macronectes giganteus* at sea.—R.E.M.
- TARBURTON, M. K. 1993. **Radiotracking a White-throated Needletail to roost.** *Emu* 93: 121-124. (3 Freda Ct., Blackburn Sth., Vic. 3130, Australia.)—Firm evidence of *Hirundapus caudacutus* roost sites in Australia.—S.R.P.
- TEMPLETON, M. T. 1992. **Birds of Nanango, south-east Queensland.** *Sunbird* 22: 87-110. (5 Appin St. W., Nanango, Qld. 4615, Australia.)—Lists 245 species found in the area since 1945.—M.T.C.
- THOMPSON, J. J. 1993. **Patterns of shorebird abundance in Eastern Moreton Bay, Queensland.** *Wildl. Res.* 20: 193-201. (Zool. Dept., Univ. Queensland, St. Lucia, Qld. 4067, Australia.)—Provides evidence that Moreton Bay is a site of international significance for shorebirds.—M.G.B.
- THOMPSON, R. 1993. **Shy Albatross.** *Victorian Nat.* 110: 218-219. (10 Noakes Ct., Montmorency, Vic., 3094, Australia.)—*Diomedea c. cauta* beachwashed 204 km from banding site.—I.D.E.
- VENABLES, B. 1993. **An exhausted White-headed Petrel on Cape York Peninsula.** *Sunbird* 23: 59-60. (Portland Rd., CMB 52, Cairns Mail Ctr., Qld. 4871, Australia.)—Record of *Pterodroma lessonii* is of interest especially at this latitude, probably blown off course by strong winds.—M.T.C.
- WALKER, T. A., & A. OLDROYD. 1991. **Seabird Islands No. 212: South Barnard Islands, Great Barrier Reef, Queensland.** *Corella* 15: 112-114. (P.O. Box 691, Townsville, Qld. 4810, Australia.)—Description of island, seabirds, and factors assessing status.—R.E.M.
- WALKER, T. A. 1991. **Seabird Islands No. 213: East Rock, Great Barrier Reef, Queensland.** *Corella* 15: 115-116. (P.O. Box 691, Townsville, Qld. 4810, Australia.)—Describes island, seabirds, and factors affecting status.—R.E.M.
- WHATMOUGH, R. J. 1992. **Sacred Ibis breeding at Culdee Creek.** *S. Austral. Ornithol.* 31: 94. (4/11 Wakefield St., Kent Town, SA 5067, Australia.)—First breeding record of *Threskiornis aethiopica* in this area.—M.T.C.
- WILSON, S. J. 1993. **Red-whiskered Bulbul—A new species for the Australian Capital Territory.** *Canberra Bird Notes* 18: 44. (56 Harrington Circ., Kambah, ACT 2902, Australia.)—*Pycnonotus jocosus* identified by its posture, crest, long tail, and color.—R.S.H.
- TAXONOMY, SYSTEMATICS, AND FAUNISTICS—INDOMALAYAN**
- ABDULALI, H., & S. UNNITHAN. 1991. **A catalogue of the birds in the collection of Bombay Nat. Hist. Soc.—34: Muscicapidae (Turdinae).** *J. Bombay Nat. Hist. Soc.* 88: 73-80. (continued from 85: 134). (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)
- ABDULALI, H., & S. UNNITHAN. 1992. **A catalogue of the birds in the collection of Bombay Natural History Society—35: Troglodytidae, Cincidae, Prunellidae, Paridae, Sittidae and Certhiidae.** *J. Bombay Nat. Hist. Soc.* 89: 55-71. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—866 specimens, with measurements.—M.V.H.
- ALSTROM, P., S. D. RIPLEY, & P. C. RASMUSSEN. 1993. **Re-evaluation of the taxonomic status of *Phylloscopus subaffinis arcanus*.** *Bull. Brit. Ornithol. Club* 113: 207-209. (PCR: NHB Room 336, Smithsonian Inst., Washington, DC 20560 USA.)—*P. s. arcanus* is a junior synonym of *Cettia f. flavolivacea*.—L.G.G.
- BRAZIL, M. A. 1992. **The Birds of Shuantaizihekou National Nature Reserve, Liaoning Province, P. R. China.** *Forktail* 7: 91-124. (27 Colville Rd., Melton Constable, Norfolk NR24 2DD, UK.)—Describes the reserve and its ornithological importance, and lists the 241 species recorded.—S.M.L.
- CLEMENTS, F. A. 1992. **Recent records of birds from Bhutan.** *Forktail* 7: 57-73. (English Nat., Foxhold House, Crookham Common, Newbury, Berks RG15 8EL, UK.)—Results of trips in March 1986 and April/May 1990; 235 species recorded, including 22 new for the country and one, *Carpodacus trifasciatus*, new for the Indian subcontinent.—S.M.L.
- DANIELS, R. J. R. 1991. **Island biogeography and the birds of the Lakshadweep Archipelago, Indian Ocean.** *J. Bombay Nat. Hist. Soc.* 88: 320-328. (Ctr. Ecol. Sci., Indian Inst. Sci., Bangalore 560 012, India.)—Numbers of species in relation to island area, distance from mainland, habitat suitability, and human influence.—M.V.H.
- DEBUS, S. J. S., I. A. W. MCALLAN, & D. A. MEAD. 1993. **Museum specimens of the Red Goshawk *Erythrotriorchis radiatus* 1. Annotated list of specimens.** *Sunbird* 23: 5-28. (Zool. Dept., Univ. New England, Armidale, NSW 2351, Australia.)—48 museum specimens, 22 from Australian museums, were examined and plumage and age criteria were noted.—M.T.C.
- DE SILVA, R. I. 1993. **First record of Nordmann's Greenshank *Tringa guttifer* from Sri Lanka.** *Loris* 19: 195-196. (Hepporawattae, Dampe, Madapatha, Piliyandala, Sri Lanka.)
- DE SILVA, R. I. 1993. **First sight record of a Black Noddy *Anous minutus* from Sri Lanka.** *Loris* 19: 175-176. (Hepporawatte, Dampe, Madapatha, Piliyandala, Sri Lanka.)
- EUGUCHI, K., & H. KUBO. 1992. **[The origin of the Magpie *Pica pica sericea* in Japan—an investigation of historical records.]** *J. Yamashina Inst. Ornithol.* 24: 32-39. (Dept. Biol., Fac. Sci., Kyushu Univ., Hakozaki, Fukuoka City, Fukuoka Prefecture, Japan.) (Japanese, Engl. summ.)
- GRIMMETT, R., & H. TAYLOR. 1992. **Recent observations from Xinjiang Autonomous Region, China, 16 June to 5 July 1988.** *Forktail* 7: 139-146. (3 Ma-

- dras Rd., Cambridge, CB1 3PX, UK.)—Includes first records for China of *Glareola pratincola* and *Locustella luscinioides*.—S.M.L.
- HAN, L. 1991. [A taxonomic study on Rufous-headed Crowtit in China.] Zool. Res., Kunming 12: 117–124. (Kunming Inst. Zool., Kunming, Yunnan, China.)—Recognizes *Paradoxornis webbianus* and *P. brunneus* as distinct on wing color, lachrymal, and orbital processes of quadrate. (Chinese, Engl. summ.)—G.W.H.D.
- HAN L. 1992. Wedge-billed Wren-Babbler *Sphenocichla humei*: a new species for China. Forktail 7: 155–156. (Kunming Inst. Zool., Acad. Sinica, Kunming, Yunnan, China.)—Captured in the Dulong Valley on 12 Nov. 1990.—S.M.L.
- HE, F., ET AL. 1992. The distribution of the Relict Gull *Larus relictus* in Maowusu Desert, Inner Mongolia, China. Forktail 7: 151–154. (Inst. Zool., Acad. Sinica, 19 Zhongguancun Lu, Haitien, Beijing, China.)—Results of 1991 survey.—S.M.L.
- HOFFMANN, T. W. 1990. Breeding of the Common Tern *Sterna hirundo* in Sri Lanka. J. Bombay Nat. Hist. Soc. 87: 68–72. (Ceylon Bird Club, P.O. Box 11, Colombo, Sri Lanka.)—First breeding in Eurasian tropics on island NE of Thenadi Bay, e. Sri Lanka, May 1980.—M.V.H.
- HOFFMANN, T. W. 1992. *Sterna bergii thalassina* Stessman — an addition to the avifauna of Sri Lanka. J. Bombay Nat. Hist. Soc. 89: 120–121. (29 Baur's Bldg.; Colombo 1, Sri Lanka.)
- HOFFMANN, T. 1991. Notes on accepted sight records of birds in Sri Lanka. J. Bombay Nat. Hist. Soc. 88: 381–383. (Ceylon Bird Club, P.O. Box 11, Colombo, Sri Lanka.)
- ISLAM, M. A. 1989. Satpura hypothesis and the distribution of Laughing Thrushes *Garrulax Lesson* of India. J. Bombay Nat. Hist. Soc. 86: 318–322. (Inst. Life Sci., Jahangirnagar Univ., Savar, Dhaka, Bangladesh.)—Evidence does not support hypothesis.—M.V.H.
- KATTI, M., ET AL. 1992. An ornithological survey in eastern Arunachal Pradesh, India. Forktail 7: 75–89. (Wildl. Inst. India, P.O. New Forest, Dehradun 248006, U.P., India.)—Three-month survey from Jan. 1990 revealed 215 species in this eastern Himalayan region.—S.M.L.
- KURUP, D. K. N. 1992. Review of the status of the Sandwich Tern *Sterna sandvicensis* in Kerala. J. Bombay Nat. Hist. Soc. 89: 122–124. (Kerala For. Dept. Camp, Pushpakam, Mudavanmugal, Poojappura P.O., Trivandrum 695 032, India.)—Now regular on w. coast of India.—M.V.H.
- LÖHRL, H. 1992. [Tickell's Blue Flycatcher *Cyornis tickelliae*.] Trop. Vogel 13: 83–87. (Bei den Eichen 5, D-W-7271 Egenhausen, Germany.)—Reviews distribution and breeding biology. (German, Engl. summ.)—M.R.E.
- MA, J. 1991. [New discovery of second breeding site of the Short-billed Guillemot (*Synthliborhamphus antiquus*) in China.] Zool. Res., Kunming 12: 248. (No address given.)—Ancient Murrelet. (Chinese.)
- MUNDKUR, T., ET AL. 1991. Snow Goose *Anser caerulescens*—an addition to the Indian avifauna. J. Bombay Nat. Hist. Soc. 88: 446–447. (Dept. Biosci., Saurashtra Univ., Rajkot 360-005, India.)—Photographed Jan. 1989 in Gujarat.—M.V.H.
- MUNDKUR, T. M., ET AL. 1989. Hitherto unreported nest site of Lesser Flamingo *Phoeniconaias minor* in the Little Rann of Kutch, Gujarat. J. Bombay Nat. Hist. Soc. 86: 281–285. (Dept. Biosci., Saurashtra Univ., Rajkot 360005, Gujarat, India.)
- NARAYAN, G., & L. ROSALIND. 1991. New record of the Pied Harrier *Circus melanoleucos* (Pennant) breeding in Assam duars, with a brief review of its distribution. J. Bombay Nat. Hist. Soc. 88: 30–34. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—Possibly two breeding populations—Amur/NE Mongolia/ and Assam/Burma.—M.V.H.
- OGLE, D. 1992. Oriental Plover *Charadrius veredus*: a new species for Thailand. Forktail 7: 156–157. (83 Carr Ln. E., Liverpool L11 4SG, UK.)—Near Chanthaburi on 15 March 1991.—S.M.L.
- PRICE, T., & N. JAMDAR. 1990. The breeding birds of Overa Wildlife Sanctuary, Kashmir. J. Bombay Nat. Hist. Soc. 87: 1–15. (Dept. Biol. C-016, Univ. Calif. San Diego, La Jolla, CA 92093 USA.)—89 regular breeding species.—M.V.H.
- RAHMANI, A. R., ET AL. 1991. Status of the Bengal Florican *Houbaropsis bengalensis* in India. J. Bombay Nat. Hist. Soc. 88: 349–375. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—Intensive survey estimates that 250–300 of the world's 400 Bengal Floricans live in n.e. India.—M.V.H.
- RAHMANI, A. R. 1991. Birds of the Karera Bustard Sanctuary, Madhya Pradesh. J. Bombay Nat. Hist. Soc. 88: 172–194. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, India.)—Data from 1982–86 compared with those from 1938.—M.V.H.
- ROSELAAR, C. S. 1992. A new species of mountain finch *Leucosticte* from western Tibet. Bull. Brit. Ornithol. Cl. 112: 225–231. (Inst. Taxon. Zoöl., Univ. Amsterdam, Postbus 4766, 1009 AT Amsterdam, Netherlands.)—*Leucosticte sillemi*.
- ROSS, C. A., & T. R. RAMOS. 1992. Distribution of *Centropus viridis* in the Babuyan Islands, northern Philippines. Bull. Brit. Ornithol. Club 122: 180–181. (Dept. Vert. Zool., Natl. Mus. Nat. Hist., Smithsonian Inst., Washington, DC 20560 USA.)
- UNNITHAN, S. 1992. Plumages, female dimorphism and polymorphism of the endemic Indian species *Parus xanthogenys*. J. Bombay Nat. Hist. Soc. 89: 126–128. (Bombay Nat. Hist. Soc., Hornbill House, Shaheed Bhagat Singh Rd., Bombay 400 023, Indi-

- a.)—No polymorphism; cline of darkness and sexual dimorphism from N to S.—M.V.H.
- VUILLEUMIER, F. 1993. **Notes on birds observed in beech (*Fagus*) forest in the Maershan Natural Reserve, Guangxi Autonomous Region, China.** Bull. Brit. Ornithol. Club 113: 152-166. (Dept. Ornithol., American Mus. Natl. Hist., Central Park W. at 79th St., New York, NY 10024 USA.)—Of 58 species identified only 33 were seen in beech forest (1300-1600 m) where, in general, bird density was low.—L.G.G.
- WADA, T. 1992. **[An analysis of factors affecting seasonal change in number of residents in a local avian community.]** Yamashina Inst. Ornithol. 24: 82-93. (Dept. Zool., Fac. Sci., Kyoto Univ., Sakyo-ku, Kyoto 606, Japan.) (Japanese, Engl. summ.)
- TAXONOMY, SYSTEMATICS, AND
FAUNISTICS—NEARCTIC**
- BACKSTROM, P. 1992. **Observations on a November 1992 Meeker County [Minnesota] Ruby-throated Hummingbird.** Loon 64: 183-188. (3409 Emerson Ave. S, #4, Minneapolis, MN 55408 USA.)—*Archilochus colubris*.
- BARDON, K. 1992. **First state record Neotropic Cormorant.** Loon 64: 176-178. (1430 100th Ave. NW, #212, Coon Rapids, MN 55433 USA.)—*Phalacrocorax brasilianus*.
- BIELEFELDT, J., & R. N. ROSENFELD. 1992. **Acadian Flycatchers nesting in conifer plantations in southeastern Wisconsin.** Passenger Pigeon 54: 43-49. (Pk. Planning, Racine Co. Public Works Div., Sturtevant, WI 53177 USA.)—*Empidonax virescens*.
- BLOM, R. 1991. **First record of Curlew Sandpiper (*Calidris ferruginea*) in Maryland.** Maryland Birdlife 47: 1-2. (1618 Somerville Rd., Bel Air, MD 21015 USA.)—Detailed description of bird seen by nine observers 16 Oct. 1985.—R.B.C.
- BOE, J. 1992. **A survey for breeding Horned Grebes in Minnesota.** Loon 64: 75-78. (683 Co. Rd. 10, Bovey, MN 55709 USA.)—Only one *Podiceps auritus* observed on 76 wetlands, nesting not confirmed.—D.L.E.
- BRAZIER, F. 1993. **Black Guillemot seen in Regina.** Blue Jay 51: 206-207. (2657 Cameron St., Regina, SK S4T 2W5, Can.)—Details of a 1988 *Cephus grylle* record with photo.
- BREWER, M. M. 1994. **Lewis's Woodpecker in Cherokee County.** Iowa Bird Life 64: 18. (1537-560th St., Cherokee, IA 51012 USA.)—Third Iowa record of *Melanerpes lewis*, on 14-18 Oct. 1992; first record since 1935.—J.J.D.
- BRISSE, P. 1990. **Double-crested Cormorants nesting in Georgia.** Oriole 55(2/3): 42-43. (4960 Gatehouse Way, Stone Mountain, GA 30088 USA.)—*Phalacrocorax auritus* nesting attempts in 1990 were the first for Georgia.—R.B.C.
- BROGIE, M. A. 1992. **Sighting of a Canyon Wren in Knox County, Nebraska.** Nebraska Bird Rev. 60: 163-165. (Box 316, Creighton, NE 68729 USA.)—*Catherpes mexicanus* seen and photographed 17 May 1992 and three weeks thereafter, is 2nd well-documented record for Nebraska and the 4th report.—R.B.C.
- BROWNING, M. R. 1993. **Comments on the taxonomy of *Empidonax traillii* (Willow Flycatcher).** West. Birds 24: 241-257. (Natl. Biol. Surv., Natl. Mus. Nat. Hist., Washington, DC 20560 USA.)—Confirms specific name *traillii* for "fitz-bew" birds, the lectotype of which is Audubon's painting, and recognizes five races.—L.C.B.
- BUETTIGREN, S., & K. HEIDEL. 1992. **A Green-tailed Towhee visits Lowry Nature Center [Minnesota].** Loon 64: 156-157. (Lowry Nat. Ctr./Hennepin Pks., P.O. Box 270, Victoria, MN 55386 USA.)—Third state record of *Pipilo chlorurus*.—D.L.E.
- BURKE, P. 1993. **Violet-green Swallow: new to Ontario.** Ontario Birds 11: 6-10. (R.R. 10, Peterborough, ON K9J 6Y2, Can.)—Second Canadian record of *Tachycineta thalassina* east of Manitoba; with review of North American records east of the Mississippi.—M.K.M.
- CARDIFF, S. W., & D. DITTMAN. 1991. **Comments on the first Arctic Tern record for Tennessee.** Migrant 62: 67-68. (Mus. Nat. Sci., Louisiana State Univ., Baton Rouge, LA 70803 USA.)—Letter indicating strengths and weaknesses of the 6 July 1990 *Sterna paradisaea* sight record. Characteristics of *S. hirundo* approach or overlap those of *S. paradisaea*.—R.B.C.
- CLARK, G. A., JR., & L. R. BEVIER. 1993. **Fifth report of the Connecticut Rare Records Committee.** Connecticut Warbler 13: 1-13. (Dept. Ecol. Evol. Biol., Univ. Connecticut, Box U-43, Storrs, CT 06269-3043 USA.)—Detailed reports for *Sterna sandvicensis* (1st state record), *Selasphorus rufus* (1st accepted), *Tyrannus melancholicus* (1st), *Vireo bellii* (1st), *Pipilo chlorurus* (2nd), and *Zonotrichia atricapilla* (1st).—R.B.C.
- CRISWELL, W. G. 1991. **The first Tennessee record of a Black-shouldered Kite.** Migrant 62: 69. (Rte. 4, Box 206, Dyersburg, TN 38024 USA.)—*Elanus [caeruleus] leucurus* sight record 20 May 1991.—R.B.C.
- CRISWELL, W. G. 1991. **Arctic Tern at Island 13, Lake County, Tennessee: the first state record.** Migrant 62: 66. (Rte. 4, Box 206, Dyersburg, TN 38024 USA.)—*Sterna paradisaea* sight record by single observer 6 July 1990.—R.B.C.
- DALMAS, J. H. 1993. **The 1992 Foray to Lee County [Virginia].** Raven 64: 3-18. (520 Rainbow Forest Dr., Lynchburg, VA 24502 USA.)—115 species recorded during survey 16-21 June.—R.B.C.
- DAULTON-DUNN, T. 1992. **Status of the Common Loon in Wisconsin.** Passenger Pigeon 54: 19-29. (Sigurd Olson Environ. Inst., Northland Coll., Ashland, WI 54806 USA.)—*Gavia immer*.
- DAVIS, W. H., & J. M. WILLIAMS. 1993. **A bird count at Cumberland Gap National Historical Park.** Kentucky Warbler 69: 24-26. (Sch. Biol. Sci., Univ.

- Kentucky, Lexington, KY 40506 USA.)—Comparison of counts in early June 1979 and 1990 showed no remarkable changes.—R.B.C.
- DICK, J. D., & J. D. RISING. 1993. **First record of Costa's Hummingbird for Kansas.** Kansas Ornithol. Soc. Bull. 44: 29-30. (Dept. Ornithol., R. Ontario Mus., Toronto, ON M5S 2C6, Can.)—*Calypte costae* in Wallace Co., July 1993. Specimen at University of Kansas Museum of Natural History, Lawrence, KS.—J.L.Z.
- DICKERMAN, R. W. 1993. **The subspecies of the Great Horned Owls of the central Great Plains, with notes on adjacent areas.** Kansas Ornithol. Soc. Bull. 44: 17-21. (Mus. Southwest Biol., Univ. New Mexico, Albuquerque, NM 87131 USA.)—*Bubo virginianus* breeds in easternmost Nebraska, Kansas, and Oklahoma, while pure *B. v. pallascens* is present in the westernmost counties of each state. Relationships with *B. v. subarcticus* requires a better sample of nesting season specimens.—J.L.Z.
- DILLARD, J. W. 1993. **Banding results at Kiptopeke Beach [Virginia]—1992.** Raven 64: 30-31. (7803 Brentford Dr., Richmond, VA 23225 USA.)
- DINSMORE, J. J., & S. J. DINSMORE. 1993. **Range expansion of Great-tailed Grackles in the 1900s.** J. Iowa Acad. Sci. 100: 54-59. (4024 Arkansas Dr., Ames, IA 50014 USA.)—*Quiscalus mexicanus* reported in 22 states and 3 provinces, nests in 14 states.—J.J.D.
- DINSMORE, S. J., & J. J. DINSMORE. 1993. **Range expansion of Great-tailed Grackles in Iowa, 1983-92.** Iowa Bird Life 63: 85-89. (Dept. Zool., N. Carolina State Univ., Box 7617, Raleigh, NC 27695 USA.)—*Quiscalus mexicanus* reported in 19 counties.—J.J.D.
- DORN, R. D., & J. L. DORN. 1994. **Further data on screech-owl distribution and habitat use in Wyoming.** West. Birds 25: 35-42. (Box 1471, Cheyenne, WY 82003 USA.)—*Otus kennicottii* and *O. asio* are restricted to west and east, respectively, of the continental divide.—L.C.B.
- DOUGLAS, H., & K. SOWL. 1993. **Northeastern extension of the breeding range of the Arctic Loon in northwestern Alaska.** West. Birds 24: 98-100. (660 Fuller Rd., Quilcene, WA 98376 USA.)—*Gavia arctica viridigularis*.
- DRALLE, B. 1990. **Glossy Ibises at the E. L. Huie Land Application facility [Georgia].** Oriole 55(2/3): 43-44. (515 Hollyridge Dr., Lilburn, GA 30247 USA.)—Two *Plegadis falcinellus* seen 1-15 Sept. 1990.—R.B.C.
- DRALLE, B. 1990. **Western Kingbird on the Jekyll Island Causeway.** Oriole 55(2/3): 49. (515 Hollyridge Dr., Lilburn, GA 30247 USA.)—*Tyrannus verticalis* seen 8 Sept. 1990 is the earliest fall arrival date for Georgia.—R.B.C.
- DUNBAR, D. L., ET AL. 1991. **Status of the Spotted Owl, *Strix occidentalis*, and Barred Owl, *Strix varia*, in southwestern British Columbia.** Can. Field-Nat. 105: 464-468. (Min. Environ., 10334-152A St., Surrey, BC V3R 7P8, Can.)
- ECKERT, K. R. 1992. **A record invasion of northern owls, fall-winter 1991-1992.** Loon 64: 189-195. (8255 Congdon Blvd., Duluth, MN 55804 USA.)—*Strix nebulosa*, *Surnia ulula*, *Nyctea scandiaca*.
- EDWARDS, M. E. 1991. **First record of a Varied Thrush in Tennessee.** Migrant 62: 57-65. (Dept. Biol., Univ. Tennessee, Chattanooga, TN 37403 USA.)—Adult male *Ixoreus naevius* seen 13 Dec. 1990-12 March 1991; summarizes eastern records.—R.B.C.
- EKHOF, D., & P. BACKSTROM. 1992. **Minnesota's second Fork-tailed Flycatcher.** Loon 64: 118-119. (Grand Marais, MN 55604 USA.)—*Tyrannus savana*.
- ELLISON, W. G. 1993. **Historical patterns of vagrancy by Blue-gray Gnatcatchers in New England.** J. Field Ornithol. 64: 358-366. (Dept. Biol. Sci., S.U.N.Y., Albany, NY 12222 USA.)—From 1937 to 1960 *Poliophtila caerulea* coastal reports predominate in both migratory seasons, with inland records more frequent in spring.—R.A.I.
- ESCOTT, N. 1992. **Green Violet-ear: first for Canada.** Ontario Birds 10: 86-89. (133 South Hill St., Thunder Bay, ON P2B 3T9, Can.)—*Colibri thalassinus* at Kakabeka Fall, Ontario; review of all records north of Mexico.—M.K.M.
- FITTON, S. 1993. **Screech-owl distribution in Wyoming.** West. Birds 24: 182-188. (3007 Skyline Blvd., Bakersfield, CA 93305 USA.)—*Otus asio* breeds in Plains Cottonwoods widely east of Continental Divide, while *O. kennicottii* breeds in Quaking Aspen at two localities west of the divide.—L.C.B.
- FLATH, D. L., R. M. HAZLEWOOD, & A. R. HARMATA. 1991. **Status of the Bald Eagle (*Haliaeetus leucocephalus*) in Montana: 1990.** Proc. Montana Acad. Sci. 51: 15-32. (No address given.)—Population grew from 25 territories in 1980 to 108 in 1990.—R.B.C.
- FLOWERS, T. L. 1992. **Golden Eagle nesting in Meade County, Kansas.** Kansas Ornithol. Soc. Bull. 43: 33-37. (P.O. Box 87, Meade, KS 67864 USA.)—Details for three pairs of nesting *Aquila chrysaetos* including data on nest construction and food items brought to nestlings. One tree nest site lost during wind storm; another cliff site lost to erosion of the cliff face.—J.L.Z.
- FORBES, G., M. RUNTZ, & R. TOZER. 1992. **New breeding record for Great Gray Owl: most southerly in Canada.** Ontario Birds 10: 117-118. (Dept. Geogr., Univ. Waterloo, Waterloo, ON N2L 3G1, Can.)—Three fledgling *Strix nebulosa* in boreal outlier south of previously known nesting range.—M.K.M.
- FOY, D. J. 1992. **Documented winter records of Swainson's Thrush in U.S.A. and Canada.** N. Am. Bird Bander 17: 48-52. (P.O. Box 457, Oriental, NC 28571 USA.)—24 records (most sight) of *Catharus minimus* between 6 Nov. and 4 Jan.—R.B.C.
- GASTON, A. J., & I. L. JONES. 1991. **Seabirds and marine mammals recorded in western Hecate Strait, British Columbia, in spring and early sum-**

- mer, 1984-1989. *Can. Field-Nat.* 105: 550-560. (Can. Wildl. Serv., 100 Gamelin Blvd., Hull, PQ K1A 0H3, Can.)
- GOOSEN, J. P. 1993. **Little Gull sighted at Buffalo Lake, Alberta.** *Blue Jay* 51: 88. (Can. Wildl. Serv., Rm. 210, 4999-98 Ave., Edmonton, AB T6B 2X3, Can.)—*Larus minutus*.
- GRANTMYRE, K. 1992. **A Ferruginous Hawk (*Buteo regalis*) in the Rockies.** *Alberta Nat.* 22(4): 14. (Alta. Soc. for Injured Birds of Prey, 51562 R. R. 222, Sherwood Park, AB T8C 1H4, Can.)—In mountain, instead of usual prairie, habitat.—M.K.M.
- GREEN, R. C. 1991. **Nature notes from Nebraska.** *N. Am. Bird Bander* 16: 137. (506 W 31st Ave., Bellevue, NE 68005 USA.)—Documents first definite nesting of *Empidonax virescens* in Nebraska since 1921.—R.B.C.
- GREENE, M. A., J. K. KNOX, & T. D. PITTS. 1991. **Status of the Reelfoot Lake Tennessee heron and egret colony: 1990-1991.** *Migrant* 62: 89-96. (Dept. Biol., Univ. Tennessee, Martin, TN 38238 USA.)—Colony that had ca. 90 nests in 1976 had 2150 in 1990, 90% *Ardea herodias*, and 10% *Casmerodius albus*; periodically also a pair of *A. anhinga*.—R.B.C.
- GRZYBOWSKI, J. A., ET AL. 1992. **Migration and vagrancy of Red-necked Grebes in Oklahoma and adjacent states.** *Bull. Oklahoma Ornithol. Soc.* 25: 25-31. (1701 Lenox, Norman, OK 73069 USA.)—Only one of 18 Oklahoma sightings of *Podiceps grisegena* has been reported in acceptable detail; records for surrounding areas reexamined.—R.B.C.
- HARRIS, W. C. 1993. **51st annual Saskatchewan Christmas bird count—1992.** *Blue Jay* 51: 10-29. (Box 414, Raymore, SK S0A 3J0, Can.)
- HECK, B. 1992. **1992 Anhinga nesting summary.** *Scissortail* 42: 31.—Record of *A. anhinga* nesting activities 1991-14 June 1992 at Little River NWR in Oklahoma.—R.B.C.
- HERBERT, L. 1993. **Winter raptor surveys, southwestern Missouri, winter 1992-1993.** *Bluebird* 60: 62-64. (1711 Goetz, Joplin, MO 64801 USA.)—Three surveys along 50 mi route with *Buteo jamaicensis* (46-56 birds), *Circus cyaneus* (8-11), and *Falco sparverius* (4-12) most common.—R.B.C.
- HERSHBERGER, W. L. 1991. **Breeding Loggerhead Shrikes in Maryland: results of 1989 and 1990 surveys.** *Maryland Birdlife* 47: 67-70. (9093 Fox Ridge Dr., Union Bridge, MD 21791 USA.)—Three pairs of *Lanius ludovicianus* found each year with two others reported by another observer in 1989.—R.B.C.
- HERTZL, A. 1992. **Lewis' Woodpecker in Grand Marais [Minnesota].** *Loon* 64: 160-161. (2509 Talmage Ave. SE, Minneapolis, MN 55414 USA.)—Second state record of *Melanerpes lewis*.—D.L.E.
- HILL, L. A. 1993. **Status and distribution of the Least Tern in Oklahoma.** *Bull. Oklahoma Ornithol. Soc.* 26: 9-24. (USFWS, 222 S. Houston, Suite A, Tulsa, OK 74127 USA.)—Detailed summary for *Sterna antillarum* "athallassos" with discussion of habitat trends, fledging success, threats, and recovery needs.—R.B.C.
- HOVINGH, P. 1992. **Avifauna of central Tule Valley, Western Bonneville Basin [Utah].** *Great Basin Nat.* 52: 278-283. (721 Second Ave., Salt Lake City, UT 84403 USA.)—List of 80 species seen on 36 visits to area between 1980 and 1991.—R.B.C.
- IVERSON, G. C. 1993. **Status and distribution of the Great Blue Heron in Indiana.** *Proc. Indiana Acad. Sci.* 102: 47-58. (P.O. Box 21628, Juneau, AK 99802 USA.)—*Ardea herodias*.
- JANSSEN, R. B. 1992. **The House Finch in Minnesota.** *Loon* 64: 79-81. (10521 S. Cedar Lake Rd., #212, Minnetonka, MN 55305 USA.)—Documents range expansion of *Carpodacus mexicanus*.—D.L.E.
- JOHNSON, A. 1994. **Western Flycatcher at Lake Ahquabi.** *Iowa Bird Life* 64: 6-8. (532 120th Ave., Norwalk, IA 50211 USA.)—First Iowa record of *Empidonax difficilis* group, 14-15 Nov. 1992.—J.J.D.
- JONES, E. G. 1992. **Capture and banding of a Brambling in northwest Montana.** *N. Am. Bird Bander* 17: 125. (71167 Hwy. 83, Bigfork, MT 59911 USA.)—*Fringilla montifringilla* captured in 1991 third record for state.—R.B.C.
- KAESTNER, H. 1991. **Winter record of Lark Sparrow (*Chondestes grammacus*) in Baltimore County.** *Maryland Birdlife* 47: 26-27. (322 Presway Rd., Timonium, MD 21093 USA.)—Seen 2-15 March 1986.—R.B.C.
- KENNEL, A. 1992. **First confirmed Loggerhead Shrike nesting in Pennsylvania since 1934, Adams County.** *Pennsylvania Birds* 6: 65. (2332 Bullfrog Rd., Fairfield, PA 17320 USA.)—*Lanius ludovicianus*; observation of apparent courtship feeding; small snakes among cached prey.—R.S.M.
- KNORR, O. A. 1993. **Breeding of the Black Swift in the Great Basin.** *West. Birds* 24: 197-198. (Inst. Alpine Ecol., 4535 Lakewood Ct., Reno, NV 89509 USA.)—*Cypseloides niger* nests behind waterfall in Alpine Co., California.—L.C.B.
- KRYCH, S. 1992. **Minnesota's third record of Black-necked Stilt.** *Loon* 64: 166-167. (1045 Hiawatha Ave. SE, #310, Hopkins, MN 55343 USA.)—*Himantopus mexicanus*.
- KWATER, E. 1992. **Pennsylvania's first Mew Gull, with notes on its racial identification.** *Pennsylvania Birds* 6: 8-9 (2469 Hammertown Rd., Narvon, PA 17555 USA.)—*Larus c. canus*.
- LAHRMAN, F. W. 1993. **A Glaucous-winged Gull seen in Regina.** *Blue Jay* 51: 208. (No. 7-3941 Retallack St., Regina, SK S4S 3C1, Can.)—*Larus glaucescens*.
- LANE, C. H. 1990. **Spring Willet sighting at Commerce Lake [Georgia].** *Oriole* 55(2/3): 44-45. (869 Clifton Rd., Atlanta, GA 30307 USA.)—*Catoptrophorus semipalmatus* seen 19 April 1990 is apparently the fourth record inland in Georgia.—R.B.C.
- LANGRIDGE, H. P., & B. CROSS. 1991. **Hurricane Hugo brings oceanic birds to Watauga Lake, Tennessee.** *Migrant* 62: 29-31. (11421 W. Ocean Ave., Lantana,

- FL 33462 USA.)—Coastal waterbirds seen inland 22–24 Sept. 1989 included *Sterna maxima* (1st state record), *Stercorarius pomarinus* (2nd), *S. parasiticus* (3rd), and unidentified storm-petrel, as well as other terns and gulls.—R.B.C.
- LEE, D. S., & S. W. CARDIFF. 1993. **Status of the Arctic Tern in the coastal and offshore waters of the southeastern United States.** J. Field Ornithol. 64: 158–168. (State Mus. Nat. Sci., P.O. Box 27647, Raleigh, NC 27611 USA.)—Examine 61 records of *Sterna paradisaea*. 88% are from spring, when migration is later and more protracted than previously indicated.—R.A.I.
- LENTZ, J. E. 1993. **Breeding birds of four isolated mountains in southern California.** West. Birds 24: 201–234. (433 Pimiento Ln., Santa Barbara, CA 93108 USA.)
- LOFTIN, R. W. 1992. **Species index to Louisiana bird records in American Birds; Volumes 1–45, 1947–1991.** J. Louisiana Ornithol. 2(2): 1–49. (Univ. N. Florida, 4567 St. Johns Bluff Rd., South Jacksonville, FL 32216 USA.)
- LOGAN, E. 1992. **Snow Bunting in McCurtain County, Oklahoma.** Bull. Oklahoma Ornithol. Soc. 25: 35. (P.O. Box 1534, Mena, AR 71953 USA.)—*Plectrophenax nivalis* photographed 20 Dec. 1991 is 4th state record.—R.B.C.
- MANNS, R. 1990. **Dickcissel pair in Georgia springtime.** Oriole 55(2/3): 51–52. (877 Glenbrook Dr., Atlanta, GA 30318 USA.)—*Spiza americana* seen 5–11 May 1990.—R.B.C.
- MCCASKIE, G. 1993. **A Little Bunting reaches California.** West. Birds 24: 95–97. (954 Grove St., Imperial Beach, CA 91932 USA.)—*Emberiza pusilla* photographed 21–24 Oct. 1991 in San Diego is first for N.Am. south of Alaska.—L.C.B.
- MCCCLINTOCK, E. 1990. **Sooty Tern seen among Black Skimmers at Jekyll Island's south beach.** Oriole 55(2/3): 46–47. (4712 Pool Rd., Winston, GA 31087.)—*Sterna fuscata* seen and photographed in Georgia 2 Sept. 1990.—R.B.C.
- McNAIR, D. B. 1994. **Reexamination of pre-1970 nest records of the Caspian Tern from South Carolina and Georgia.** Chat 58: 16–18. (303 Robinson St., Rockingham, NC 28379 USA.)—No unquestionably authentic breeding record for *Sterna caspia* from either state prior to 1970.—E.F.P.
- McRAE, D., Y. R. TYMSTRA, & S. SCHOLTEN. 1993. **Notes on birds observed at Netitishi Point, southern James Bay.** Ontario Birds 11: 11–17. (Box 130, St. Williams, ON N0E 1P0, Can.)—List of birds seen, average number per day, and maxima per day in poorly known area during two weeks of autumn, with annotations on 16 species.—M.K.M.
- McRAE, D. 1993. **A third winter Black Guillemot from Churchill, Manitoba.** Blue Jay 51: 186–187. (Box 130, St. Williams, ON N0E 1P0, Can.)—*Cephus grylle*.
- MEISENZAHL, K. A., & S. MEISENZAHL. 1992. **Another Inca Dove in Comanche County, Oklahoma.** Bull. Oklahoma Ornithol. Soc. 25: 33. (911 NE Bobwhite Rd., Lawton, OK 73507 USA.)—*Scardafella inca* photographed 8 Dec. 1991–16 Feb. 1992 is 11th state record, 2nd for area.—R.B.C.
- MONROE, B. L., JR. 1993. **Second report of the Kentucky Bird Records Committee.** Kentucky Warbler 69: 23–24. (P.O. Box 23447, Anchorage, KY 40223 USA.)—Includes first state record for *Pipilo chlorurus*.—R.B.C.
- MOORE, T. 1990. **Pine Siskins remain until June in Fulton County [Georgia].** Oriole 55(2/3): 51. (13000 Bucksport Ct., Roswell, GA 30075 USA.)—*Carduelis pinus* present 6 June 1990 is latest spring record for state.—R.B.C.
- MOORE, T. 1990. **Arctic Tern at Jekyll Island, Glynn County, Georgia.** Oriole 55(2/3): 45–46. (13000 Bucksport Ct., Roswell, GA 30075 USA.)—Adult *Sterna paradisaea* seen 5 May 1990 is the 2nd onshore record in Georgia.—R.B.C.
- MOSSMAN, M. J., & L. M. HARTMAN. 1992. **Turkey Vulture nest records from Wisconsin.** Passenger Pigeon 54: 31–41. (Dept. Nat. Resour., 1350 Femrite Rd., Monona, WI 53716 USA.)—*Cathartes aura*.
- MUNZY, P. L. 1992. **Northern Oriole in Payne County, Oklahoma, during winter.** Bull. Oklahoma Ornithol. Soc. 25: 33–34. (104 SW 68th St., Oklahoma City, OK 73139 USA.)—Adult male *Icterus galbula* photographed and banded at feeder 7–9 Jan. 1986 is 4th winter record for “Baltimore” orioles in state.—R.B.C.
- NERO, R. W. 1993. **Probable Barn Owl records for Manitoba.** Blue Jay 51: 170–171. (Box 24, 1495 St. James St., Winnipeg, MB R3H 0W9, Can.)—*Tyto alba*.
- NIKULA, B. 1992. **The great gannet wreck of '91.** Bird Obs. (Massachusetts) 20: 84–90. (% BOEM, P.O. Box 236, Arlington, MA 02174 USA.)—Northeasterly storm drives *Morus bassanus* inland; 1100 jaegers counted from shore in a single day.—W.E.D.
- NIKULA, B. 1993. **Common Black-headed Gull.** Birding 25: 54–60. (2 Gilbert Ln., Harwich Port, MA 02646 USA.)—History of occurrence and breeding and current status of *Larus ridibundus* in North America.—R.B.C.
- NIKULA, B. 1993. **Sighting of a Black-tailed Godwit in Massachusetts.** Bird Obs. (Massachusetts) 21: 265–266. (% BOEM, P.O. 236, Arlington, MA 02174 USA.)—Second sighting of *L. limosa* in Massachusetts.—W.E.D.
- O'SHEA, M. D. 1993. **Possible [Northern] Saw-whet Owl nesting records for Empress and Blindloss [Alberta].** Alberta Nat. 23(1): 12. (Box 38, Blindloss, AB T0J 0H0, Can.)—*Aegolius acadicus* may nest within grassland region's river valleys.—M.K.M.
- OBERLE, M. W. 1990. **Late nighthawk in Decatur, Georgia.** Oriole 55: 71–72. (2690 Briarlake Woods Way, Atlanta, GA 30345-3906 USA.)—Presumptive *Chordeiles minor* seen 10 Dec. 1990.—R.B.C.

- PARKES, K. C. 1992. **The subspecies of the Sharp-tailed Sparrow and the re-identification of a western Pennsylvania specimen.** *Pennsylvania Birds* 6: 13-14. (Carnegie Mus. Nat. Hist., 4400 Forbes Ave., Pittsburgh, PA 15213 USA.)—Five subspecies discussed; bird collected 3 Oct. 1972 in Westmoreland Co. is *Ammodramus c. caudacutus*, not *A. c. altera* as earlier reported.—R.S.M.
- PATTEN, M. A., & R. A. ERICKSON. 1994. **Fifteenth report of the California Bird Records Committee.** *West. Birds* 25: 1-34. (P.O. Box 8612, Riverside, CA 92515-8612 USA.)—Reports 232 records (73.7% accepted) of 91 species, including 4 new to California: *Aythya ferina*, *Hirundo fulva*, *Tarsiger cyanurus*, and *Calcarius pictus*.—L.C.B.
- PATTEN, M. A. 1993. **First record of the Common Pochard in California.** *West. Birds* 24: 235-240. (P.O. Box 8561, Riverside, CA 92515-8561 USA.)—Male *Aythya ferina*, first found 11 Feb. 1989, is first for North America outside Alaska.—L.C.B.
- PATTERSON, J. H. 1990. **Red Phalarope in Laurens County, Georgia.** *Oriole* 55: 69-71. (2271 Shenandoah Ave. NE, Atlanta, GA 30305 USA.)—*Phalaropus fulicaria* seen and taped 22 Dec. 1990 is first record inland in winter in Georgia, and the sixth record inland.—R.B.C.
- PATTI, S., & M. C. THOMPSON. 1992. **Pyrrhuloxia (*Cardinalis sinuatus*), a new bird for Kansas.** *Kansas Ornithol. Soc. Bull.* 43: 30-31. (US EPA, 230 S. Dearborn St., Chicago, IL 60604 USA.)—Sight records during Nov. 1989 in Morton Co. After bird disappeared, feathers were found and definitely identified.—J.L.Z.
- PEEPLES, W. R. 1991. **Red Crossbill feeding young in Shelby County, Tennessee.** *Migrant* 62: 107. (150 Bendle Circle, Memphis, TN 38117 USA.)—Two begging fledgling *Loxia curvirostra* 23-24 May 1991 suggest breeding in Tennessee away from the Appalachians.—R.B.C.
- PETERSON, J., ET AL. 1991. **Additions to the breeding avifauna of the Davis Mountains.** *Bull. Texas Ornithol. Soc.* 24: 39-48. (Dallas Mus. Nat. Hist., P.O. Box 150433, Dallas, TX 75315 USA.)—*Otus flammeolus*, *Aegolius acadicus*, *Contopus borealis*, *Empidonax wrightii*, *Myiarchus tuberculifer*, *Certhia americana*, *Vermivora celata*, *V. virginiae*, *Dendroica coronata*, *Pipilo chlorurus*, *Loxia curvirostra*.
- PINEL, H. W. 1993. **First verified record of Williamson's Sapsucker for Alberta.** *Blue Jay* 51: 209-210. (1017-19 Ave. NW, Calgary, AB T2M 0Z8, Can.)—*Sphyrapicus thyroideus*.
- PITTAWAY, R. 1993. **Subspecies and morphs of the Red-tailed Hawk.** *Ontario Birds* 11: 23-29. (Box 619, Minden, ON K0M 2K0, Can.)—Review of distinguishing features and taxonomy of *Buteo jamaicensis* races and morphs known to occur in Ontario.—M.K.M.
- POST, W., A. CRUZ, & D. B. MCNAIR. 1993. **The North American invasion pattern of the Shiny Cowbird.** *J. Field Ornithol.* 64: 32-41. (Charleston Mus., 360 Meeting St., Charleston, SC 29403 USA.)—*Molothrus bonariensis*.
- PRATT, P. D. 1992. **Black Rail: new to Ontario and Canada.** *Ontario Birds* 10: 90-92. (7100 Matchette Rd., LaSalle, ON N9C 2S3, Can.)—*Laterallus jamaicensis* documented in Ontario in 1987 after several previous unconfirmed records; second record confirmed in 1991.—M.K.M.
- PYLE, P., L. B. SPEAR, & D. G. AINLEY. 1993. **Observations of dark-winged Petrels off Oregon and California.** *West. Birds* 24: 110-112. (P.R.B.O., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—*Pterodroma phaeopygia*.
- PYLE, P. 1993. **A Markham's Storm-Petrel in the northeastern Pacific.** *West. Birds* 24: 108-110. (P.R.B.O., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—*Oceanodroma markhami* seen 27 July 1991 off southern California.—L.C.B.
- REINKING, D. L., & S. N. G. HOWELL. 1993. **An Arctic Loon in California.** *West. Birds* 24: 189-196. (P.R.B.O., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Juvenile *Gavia arctica* (*sensu stricto*) photographed 2-17 Nov. 1991 is first south of Alaska; summary of field marks.—L.C.B.
- RICH, D., H. MORRIN, & J. HELLER. 1992. **First Pennsylvania record of a Mew Gull, *Larus canus canus*, Berks County.** *Pennsylvania Birds* 6: 7. (2469 Hammertown Rd., Narvon, PA 17555 USA.)—2-3 Jan. 1992.—R.S.M.
- RICHARDSON, J. 1993. **Unusual Ruby-throated Hummingbird encounters and a late fall record.** *Blue Jay* 51: 143-146. (Box 31, Steinbach, MB R0A 2A0, Can.)—*Archilochus colubris*.
- ROBBINS, M. B. 1993. **Fifth annual report of the Missouri Bird Records Committee.** *Bluebird* 60: 39-43. (Univ. Kansas, Lawrence, KS 66045-2454 USA.)—Accepted records include those for *Gavia adamsii* (2nd state record), *Phalacrocorax brasilianus* (1st and 2nd), *Rhodostethia rosea* (1st), *Ixoreus naevius* (3rd and 4th), and *Zonotrichia atricapilla* (1st).—R.B.C.
- ROBERSON, D. 1993. **Fourteenth report of the California Bird Records Committee.** *West. Birds* 24: 113-166. (282 Grove Acre Ave., Pacific Grove, CA 93950 USA.)—Thorough report of 276 accepted and 136 rejected records of rarities, including *Pterodroma ultima* and *Lagopus leucurus* (introduced) new to California.—L.C.B.
- RODWAY, M. S., J. A. SEDGWICK, & N. C. SEDGWICK. 1992. **First record of Mew Gulls breeding in the Queen Charlotte Islands, British Columbia.** *Northwest Nat.* 73: 61-62. (Can. Wildl. Serv., P.O. Box 340, Delta, BC V4K 3Y3, Can.)—*Larus canus*.
- RUCKDESCHEL, C., R. SHOOP, & B. WINN. 1990. **Brown Pelican nesting in Georgia.** *Oriole* 55: 65-68. (Cumberland Is. Mus., P.O. Box 796, St. Marys, GA 31558 USA.)—Ca. 200 pairs *Pelecanus occidentalis* nesting off St. Catherines Island in 1988 first record for Georgia; also nested there the next year, but in 1990,

- 300–500 nests present at a second site in the mouth of the Satilla River.—R.B.C.
- SARGENT, R. R., & M. B. SARGENT. 1993. **First documented occurrence of Hammond's Flycatcher (*Empidonax hammondi*) in Alabama.** Alabama Birdlife 40(2): 1–3. (7570 Mac Hicks Rd., Trussville, AL 35173 USA.)
- SARGENT, R. R., & M. B. SARGENT. 1993. **Second record of Allen's Hummingbird (*Selasphorus sasin*) in Alabama.** Alabama Birdlife 40(2): 4–5. (7570 Mac Hicks Rd., Trussville, AL 35173 USA.)
- SCARPULLA, E. J. 1991. **First record of Ross' Gull for Maryland.** Maryland Birdlife 47: 31–37. (7906-B Knollwood Rd., Towson, MD 21286 USA.)—*Rhodostethia rosea* seen 3 March–24 April 1991 by about 2300 observers; sightings in lower 48 states summarized.—R.B.C.
- SCHUKMAN, J. M., & T. MOURAS. 1992. **Probable breeding of the Yellow-throated Warbler (*Dendroica dominica*) in northeast Kansas.** Kansas Ornithol. Soc. Bull. 43: 27–30. (14207 Robin Rd., Leavenworth, KS 66048 USA.)—Six territorial birds as well as paired birds observed in Leavenworth Co. 5 Apr.–22 July; no nests or young observed.—J.L.Z.
- SEWELL, J., & C. LAMBERT. 1990. **Summer sighting of *Selasphorus* hummingbird in the Atlanta [Georgia] area.** Oriole 55(2/3): 47–49. (4608 Westhampton Dr., Tucker, GA 30084 USA.)—Bird seen 6 Aug. 1990 is earliest report for state.—R.B.C.
- SEYFFERT, K. D. 1991. **Does the Cedar Waxwing nest in the Texas Panhandle?** Bull. Texas Ornithol. Soc. 24: 55–57. (2206 S. Lipscomb St., Amarillo, TX 79109 USA.)—Flightless juvenile observed with 2 adults on 19 Oct. 1989 in Hutchinson County.—B.O.
- SEYFFERT, K. D. 1993. **Nesting of the Yellow-headed Blackbird in the Panhandle of Texas.** Bull. Oklahoma Ornithol. Soc. 26: 1–4. (2206 S. Lipscomb St., Amarillo, TX 79109 USA.)—1978 and subsequent nestings of *X. xanthocephalus* are the first in Texas in over a century; evidently result from habitat modification by man.—R.B.C.
- SHACKFORD, J. S., & E. M. GRIGSBY. 1993. **Mountain Bluebird nests in Cimarron County.** Bull. Oklahoma Ornithol. Soc. 26: 7. (6008-A Northwest Expwy., Oklahoma City, OK 73132 USA.)—*Sialia currucoides* nestings in 1986 and 1991 are among few known for Oklahoma.—R.B.C.
- SIEBENHELLER, N., & W. A. SIEBENHELLER. 1992. **Pine Siskins build nest in Transylvania County, N.C.** Chat 56: 57–59. (187 Glen Cannon Dr., Pisgah Forest, NC 28768 USA.)—First published report of occupied *Carduelis pinus* nest in North Carolina (el. 2,650 feet); after nest failed, male removed lichens from abandoned nest and carried them away.—E.F.P.
- SILCOCK, R. 1992. **An additional Nebraska record of Common Eider?** Nebraska Bird Rev. 60: 149–150. (P.O. Box 300, Tabor, IA 51653 USA.)—*Somateria mollissima* in Missouri River in 1901 on Missouri/Iowa border could actually have been shot in either state.—R.B.C.
- SIMON, T. P., ET AL. 1992. **Checklist of the vertebrates of Indiana.** Proc. Indiana Acad. Sci. 101: 95–126. (Dept. Biol. Sci., Indiana Univ. NW, Gary, IN 46408 USA.)
- SNAVELY, R. R., & T. B. MOWBRAY. 1992. **Northern Raven (*Corvus corax*) nesting in Forsyth County, N.C.** Chat 56: 59–61. (115 Plymouth Ave., Winston-Salem, NC 27104 USA.)—First published breeding record for Piedmont North Carolina (el. 850 feet); nest situated 250 feet above quarry floor near top of sheer granite wall; two hatchlings seen 8 March 1991; four young fledged in late April; adults forced young to fledge by beginning to destroy nest.—E.F.P.
- STINSON, C. M. 1992. **Observations of a probable Pacific Loon in western Kentucky.** Kentucky Warbler 68: 62–63. (Dept. Biol., Univ. Louisville, Louisville, KY 40292 USA.)—*Gavia* sp.
- STIRLING, D. 1993. **Sight record of a Merlin (*Falco columbarius*) on Kaua'i.** Elepaio 53: 36. (330–1870 McKenzie Ave., Victoria, BC V8N 4X3, Can.)—Sight record 3 March 1993 is second from Hawaii.—R.B.C.
- STUCKER, S. P. 1992. **1991 bird surveys in Kittson and Roseau counties [Minnesota].** Loon 64: 107–113. (Dept. Nat. Resour., Box 7, 500 Lafayette Rd., St. Paul, MN 55155 USA.)
- STUCKER, S. P. 1992. **Minnesota's second Ross' Gull.** Loon 64: 157–158. (Dept. Nat. Resour., Box 7, 500 Lafayette Rd., St. Paul, MN 55155 USA.)—*Rhodostethia rosea*.
- SWIFT, B. L. 1991. **Timing and distribution of prairie Mallard band recoveries in New York.** Trans. Northeast Sect. Wildl. Soc. 48: 98–103. (Div. Fish & Wildlife, New York State DEC, Delmar, NY 12054 USA.)—Analysis of recoveries of *Anas platyrhynchos* banded in the Central Flyway and recovered in New York revealed that <1% of prairie Mallards were reported shot in New York (1955–1987). Female Mallards occur in New York pre-hunting season, whereas only males occur in winter.—R.D.A.
- TAYLOR, D. M. 1994. **Seasonal status of the American Pipit in Idaho.** West. Birds 25: 43–49. (244 N. 12th, Pocatello, ID 83201 USA.)—*Anthus rubescens*.
- TAYLOR, P. 1993. **Mid-continental jaegers: a Manitoba perspective.** Blue Jay 51: 157–164. (Box 597, Pinawa, MB R0E 1L0, Can.)—*Stercorarius pomarinus*, *S. parasiticus*, *S. longicaudus*.
- TYLER, J. D. 1993. **Cedar Waxwings in Cherokee County, Oklahoma, during June.** Bull. Oklahoma Ornithol. Soc. 26: 7–8. (Dept. Biol. Sci., Cameron Univ., Lawton, OK 73505 USA.)—20 June 1992 sighting of *Bombycilla cedrorum* suggests breeding by species found nesting only on four previous occasions in Oklahoma.—R.B.C.
- TYMSTRA, Y. R. 1992. **White-winged Tern: new to Ontario.** Ontario Birds 10: 81–86. (Box 2809, Sarnia, ON N7T 7W1, Can.)—One (presumably same) *Chli-*

- donias leucopterus* seen at four Ontario locations in 1991 and two locations in 1992, with review of North American and Caribbean records.—M.K.M.
- VOLKERT, W. K. 1992. **Survey of the birds of the northern kettle moraine region [Wisconsin].** Passenger Pigeon 54: 137-145. (Dept. Nat. Resour., 1210 N. Palmatory St., Horicon, WI 53032 USA.)
- WALLEY, W. J. 1993. **Summer Tanager at Dauphin, Manitoba.** Blue Jay 51: 47-48. (222 Bossons Ave., Dauphin, MB R7N 0R2, Can.)—*Piranga rubra*.
- WARKENTIN, I. G. 1993. **The wintering Merlins of Saskatoon.** Blue Jay 51: 91-101. (Dept. Zool. Res., Natl. Zool. Pk., Smithsonian Inst., Washington, DC 20008-2598.)—*Falco columbarius*.
- WATERS, A. R. 1990. **Wintering Wilson's Warblers found in August [Georgia].** Oriole 55(2/3): 50. (1621 Apple Valley Dr., Augusta, GA 30906 USA.)—Male and female *Wilsonia pusilla* seen 23 Dec. 1989 are 5th winter record for Georgia.—R.B.C.
- WIENS, G. 1993. **White-throated Swift (*Aeronautes saxatalis*) from Cowley County, Kansas.** Kansas Ornithol. Soc. Bull. 44: 30-31. (Chaplin Nat. Ctr., Arkansas City, KS 67005 USA.)—Second verified (photo) record for state.—J.L.Z.
- WILLIAMS, B., ET AL. 1993. **The 1992 colonial and beach-nesting waterbird survey of the Virginia barrier islands.** Raven 64: 24-29. (108 Deerwood Dr., Williamsburg, VA 23188 USA.)—Counts 21-24 June mostly for herons, gulls, and terns.—R.B.C.
- WITHGOTT, J. H. 1992. **Common Black-headed Gull and Little Gull in Oklahoma.** Bull. Oklahoma Ornithol. Soc. 25: 31-33. (Dept. Biol., Univ. Arkansas, Fayetteville, AR 72701 USA.)—Two *Larus ridibundus* photographed at two sites 1-21 Feb. 1992 are first well-documented records for state; three *L. minutus* photographed at three sites 21 Feb.-5 April 1992 are second to fourth records for state.—R.B.C.
- WLASNIEWSKI, M. 1992. **First Pennsylvania record of Ancient Murrelet, *Synthliboramphus antiquus*, Berks County.** Pennsylvania Birds 6: 143 (21 Scenic GDr., Hamburg, PA 19526 USA.)—8 Nov. 1992; photograph.—R.S.M.
- WOODLIFFE, P. A. 1992. **The recent nesting history of the Bald Eagle in Rondeau Provincial Park, Ontario.** Ontario Birds 10: 101-107. (Ontario Min. Nat. Res., Box 1168, 1023 Richmond St. W., Chatham, ON N7M 5L8, Can.)—History of nesting by *Haliaeetus leucocephalus* since 1943, with details of nest trees used since 1978.—M.K.M.
- YOUNG, E. A. 1992. **The status of the Barred Owl, *Strix varia*, in Kansas.** Kansas Ornithol. Soc. Bull. 43: 37-39. (Oklahoma Biol. Surv., 303 Sutton Hall, Univ. Oklahoma, Norman, OK 73019-0345 USA.)—Observations for Morton Co. during first week of Nov. 1992, including a dead bird identified as *S. v. georgica*.—J.L.Z.
- ZINGO, J. M. 1993. **First documented records of Bridled Tern from Connecticut.** Connecticut Warbler 13: 21-23. (Queens Coll. Center Environ. Teach. Res., 31 Lloyd Harbor Rd., Huntington, NY 11743 USA.)—*Sterna anaethetus* seen and photographed at Falkner Island 27 June-16 Aug. 1992.—R.B.C.

TAXONOMY, SYSTEMATICS, AND FAUNISTICS—NEOTROPICAL

- BEST, B. J., ET AL. 1993. **Distributional records, natural history notes, and conservation of some poorly known birds from southwestern Ecuador and northwestern Peru.** Bull. Brit. Ornithol. Club 113: 234-255. (118 Aldwyn Cres., Hazel Grove, Stockport, Cheshire SK7 5HX, UK.)—Data on a further 12 species, study sites, and complete list of 341 species recorded.—L.G.G.
- BLANCO, P., ET AL. 1993. **Occurrences of the Piping Plover in Cuba.** J. Field Ornithol. 64: 520-526. (J.P. Goossen: Can. Wildl. Serv., 4999-98 Ave., Edmonton, AB T6B 2X3, Can.)—14 *Charadrius melodus* records for 1965-92.—R.A.I.
- CAVALCANTI, R. B., & M. A. MARINI. 1993. **Body masses of birds of the cerrado region, Brazil.** Bull. Brit. Ornithol. Club 113: 209-212. (Depto. Ecol., Univ. Brasilia, DF, Brazil 70910.)—571 body masses of 79 species.—L.G.G.
- CISNEROS-PALACIOS, E., & C. BONILLA-RUZ. 1993. **New distributional information on Mexican birds III. Northern Oaxaca.** Bull. Brit. Ornithol. Club 113: 213-215. (Ctr. Interdisciplinario Invest. Desarrollo Integral Reg., Oaxaca, Apdo. Postal 24-Admon. 3, Oaxaca, Oaxaca, C.P. 68081, Mexico.)
- DANEMANN, G. D., & R. CARMONA. 1993. **Observations on Esteros El Coyote and La Bocana, Baja California Sur, Mexico, in September 1991.** West. Birds 24: 263-266. (Depto. Biol. Mar., Univ. Auton. Baja California Sur, Apdo. 19-B, La Paz, Baja California Sur 23000, México.)
- ERICKSON, R. A., A. D. BARRON, & T. E. WURSTER. 1994. **Northern Saw-whet Owl in the Sierra San Pedro Martir: first Baja California record.** West. Birds 25: 66-68. (LSA Associates, 1 Park Pl., Suite 500, Irvine, CA 92714 USA.)—*Aegolius acadicus* heard 5 July 1993.—L.C.B.
- HOWELL, S. N. G., & S. J. ENGEL. 1993. **Seabird observations off western Mexico.** West. Birds 24: 167-181. (P.R.B.O., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Counts from 28 April to 6 May 1992 off Jalisco to Guerrero; *Puffinus nativitatis* fairly common; new breeding colonies for *Phaethon aethereus*, *Sula leucogaster*, and *Sterna anaethetus*.—L.C.B.
- HOWELL, S. N. G., ET AL. 1992. **New and noteworthy bird records from Belize.** Bull. Brit. Ornithol. Club 112: 235-244. (Pt. Reyes Bird Obs., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Notes on 48 species, including 11 species new to Belize.—L.G.G.
- HOWELL, S. N. G., ET AL. 1993. **North American migrant birds on Clipperton Atoll.** West. Birds 24: 73-80. (P.R.B.O., 4990 Shoreline Hwy., Stinson

- Beach, CA 94970 USA.)—Lists 57 species new to this island off western Mexico.—L.C.B.
- HOWELL, S. N. G. 1993. **A taxonomic review of the Green-fronted Hummingbird.** Bull. Brit. Ornithol. Club 113: 179–187. (Pt. Reyes Bird Obs., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—New race *Amazilia viridifrons rowleyi* found in the interior of Oaxaca in upper reaches of Río Grande drainage; one form may warrant specific recognition as *A. wagneri*.—L.G.G.
- KRABBE, N. 1992. **A new subspecies of the Slender-billed Miner *Geositta tenuirostris* (Furnariidae) from Ecuador.** Bull. Brit. Ornithol. Club 112: 166–169. (Zool. Mus., Univ. Copenhagen, Universitetsparken 15, DK-2100 Copenhagen Ø, Denmark.)—*G. t. kalimayae*, found on NW side of Planadas de Guintza, Province of Cotopaxi.—L.G.G.
- KRATTER, A. W., ET AL. 1992. **Further notes on bird distribution in northeastern Dpto. Santa Cruz, Bolivia, with two species new to Bolivia.** Bull. Brit. Ornithol. Club 112: 143–150. (Mus. Nat. Sci. Dept. Zool. Physiol., Louisiana State Univ., Baton Rouge, LA 70803 USA.)—Data on 12 species; new species are *Thamnomanes caesius* and *Malacoptila rufa*.—L.G.G.
- MAYER, G. C., & R. M. CHIPLEY. 1992. **Turnover in the avifauna of Guana Island, British Virgin Islands.** J. Anim. Ecol. 61: 561–566. (Zool. Mus., Univ. Wisconsin, Madison, WI 53706 USA.)—There were no instances of species turnover during the 9 years of study.—R.A.N.
- MELLINK, E., & A. M. REA. 1994. **Taxonomic status of the California Gnatcatchers of northwestern Baja California, Mexico.** West. Birds 25: 50–62. (P.O. Box 434844, San Diego, CA 92143 USA.)—Describes a new subspecies, *Poliophtila californica atwoodi*, the middle of three races forming a step cline corresponding to different habitats.—L.C.B.
- NORES, M. 1992. **Bird speciation in subtropical South America in relation to forest expansion and retraction.** Auk 109: 346–357. (Cons. Nac. Invest. Cient. Téc. Ctro. Zool. Aplicada, C.C. 122, 5000 Córdoba, Argentina.)
- PALACIOS, E., & E. MELLINK. 1993. **Additional records of breeding birds from Montague Island, northern Gulf of California.** West. Birds 24: 259–262. (P.O. Box 434844, San Diego, CA 92143 USA.)—México.—L.C.B.
- PARKES, K. C., & R. K. PANZA. 1993. **A new Amazonian subspecies of the Ruddy-tailed Flycatcher *Myiobius (Terenotriccus) erythrurus*.** Bull. Brit. Ornithol. Club 113: 21–23. (Carnegie Mus. Nat. Hist., 4400 Forbes Ave., Pittsburgh, PA 15213 USA.)—*M. e. purusianus*, found at Arima, Labrea and Huitana on the middle Rio Purus, Amazonas, Brazil.—L.G.G.
- PATTEN, M. A., K. RADAMAKER, & T. E. WURSTER. 1993. **Noteworthy observations from northeastern Baja California.** West. Birds 24: 89–93. (P.O. Box 8561, Riverside, CA 92515-8561 USA.)—México.—L.C.B.
- PETERSON, A. T. 1993. **Species status of *Geotrygon carrikeri*.** Bull. Brit. Ornithol. Club 113: 166–168. (Div. Ornithol., Univ. Kansas Mus. Nat. Hist., Lawrence, KS 66045 USA.)
- PHILLIPS, A. R., & R. P. FARFAN. 1993. **Distribution, migration, ecology, and relationships of the Five-striped Sparrow, *Aimophila quinquestriata*.** West. Birds 24: 65–72. (Reforma 825-A, Col. Chapultepec, San Nicolas de los Garzas, 66450, Nuevo Leon, México.)—Northern race *septentrionalis* requires dense brush and grass on hillsides or flats for breeding, and is absent from riparian and arboreal habitats. Species best retained in *Aimophila*, with which *Amphispiza* perhaps should be merged.—L.C.B.
- POULSEN, B. O. 1992. **Range extensions of Orange-cheeked Parrot and White-browed Purpletuff in Amazonian Venezuela.** Bull. Brit. Ornithol. Club 112: 276–277. (Zool. Mus. Univ. Copenhagen, 2100 Copenhagen Ø, Denmark.)
- ROBBINS, M. B., & R. S. RIDGELY. 1993. **A new name for *Myrmeciza immaculata berlepschi* (Formicariidae).** Bull. Brit. Ornithol. Club 113: 190. (Div. Ornithol., Univ. Kansas Mus. Nat. Hist., Lawrence, KS 66045-2454 USA.)—*M. i. macrorhyncha*.
- STOTZ, D. F. 1992. **A new subspecies of *Aramides cajanea* from Brazil.** Bull. Brit. Ornithol. Club 112: 231–234. (Mus. Zool., Univ. São Paulo, C.P. 7172, São Paulo, SP, CEP 01064 Brazil.)—*A. c. avicenniae*.
- THOMAS, B. T. 1993. **Birds of a northern Venezuelan secondary-scrub habitat.** Bull. Brit. Ornithol. Club 113: 9–17. (Waterfield, Rt. 1 Box 212C, Castleton, VA 22716 USA.)—19 years of data; 69 resident species, 13 N. American and 6 austral migrants.—L.G.G.
- VILELLA, F. J., & P. J. ZWANK. 1993. **Geographic distribution and abundance of the Puerto Rican Nightjar.** J. Field Ornithol. 64: 223–238. (USF & WS, P.O. Box 488, Palmer, PR 00721 USA.)—Record 712 singing *Caprimulgus noctitherus* in 9839 ha in three areas in the coastal dry limestone forest and lower cordillera forest of the southwest.—R.A.I.
- WALTERS, R. 1993. **Some records of birds from Belize, Central America, including three first records.** Bull. Brit. Ornithol. Club 113: 145–147. (Morskade 18, 2332 GB Leiden, Netherlands.)
- WILLIS, E. O., & Y. ONIKI. 1993. **On a *Phoebetria* specimen from southern Brazil.** Bull. Brit. Ornithol. Club 113: 60–61. (Dept. Zool., UNESP, C P 199, 13.500 Rio Claro, SP, Brazil.)—Confirmed as *P. fusca* and not *P. palpebrata*.—L.G.G.
- WILLIS, E. O., & Y. ONIKI. 1992. **A new *Phylloscartes* (Tyrannidae) from southeastern Brazil.** Bull. Brit. Ornithol. Club 112: 158–165. (Dept. Zool., Univ. Estadual Paulista, C.P. 199, 13.500 Rio Claro, SP, Brazil.)—Data on habitat, behavior, voice, and measurements of *P. kromei*.—L.G.G.
- WILLIS, E. O., & Y. ONIKI. 1993. **New and reconfirmed birds from the state of Sao Paulo, Brazil, with notes on disappearing species.** Bull. Brit. Ornithol. Club 113: 23–24. (Dept. Zool. UNESP, C.P.

- 199, 13500 Rio Claro, SP, Brazil.)—Data on 26 (new), 22 (reconfirmed) and 19 other species.—L.G.G.
- WINKER, K., ET AL. 1992. **A note on *Campylopterus excellens* in southern Veracruz, with a guide to sexing captured individuals.** J. Field Ornithol. 63: 339–343. (Conserv. Res. Ctr., Natl. Zool. Pk., Smithsonian Institution, Front Royal, VA 22630 USA.)
- WOODS, R. W. 1993. **Cobb's Wren *Troglodytes (aedon) cobbi* of the Falkland Islands.** Bull. Brit. Ornithol. Club 113: 195–207. (68 Aller Pk. Rd., Newton Abbot, Devon TQ12 4NQ, UK.)—Data on biometrics, distribution, status, nest and nest sites, and population densities.—L.G.G.
- TAXONOMY, SYSTEMATICS, AND
FAUNISTICS – PALAEARCTIC**
- AGUILAR, J. S. 1991. **[The atlas of breeding seabirds of the Balearic Islands, 1991.]** Anuari Ornitol. Balears 6: 17–28. (% Bisbe Massanet, 5^a B-07005 Palma, Balears, Spain.) (Catalan, Engl. summ.)
- ALSTROM, P. 1991. **A Radde's Accentor *Prunella ocularis* from Oman reidentified as Black-throated Accentor *P. atrogularis*.** Sandgrouse 13: 106–108. (Kungsgatan 3, 462 33 Vanersborg, Sweden.)—First Arabian record.—P.J.C.
- ANDERSSON, R., K. NILSSON, & H. HIRSIMÄKI. 1993. **[Bonaparte's Gull at Getterön.]** Vår Fågelvärld 52(1): 38. (Adjunkst. 1, S-432 50 Varberg, Sweden.)—*Larus philadelphia*, first Swedish record. (Swedish, Engl. summ.)—M.E.
- AXELL, H. 1989. **[Invasion of Rose-coloured Starlings *Sturnus roseus* on the coast of Montenegro.]** Acrocephalus 41–42: 36–37. (Westleton, Saxmundham, Suffolk IP17 3AZ, UK.) (Slovene, Engl. summ.)
- BAHA EL DIN, S., & A. RIAD. 1992. **Booted Warbler in Egypt in September 1991.** Dutch Birding 14: 176–177. (Marriott Hotel, P.O. Box 33, Zamalek, Cairo, Egypt.)—First *Hippolais caligata*.—A.v.d.B.
- BAHA EL DIN, S. M. 1992. **Notes on recent changes in the status of breeding herons in the Egyptian Nile Valley and Delta.** Bull. Ornithol. Soc. Middle East 29: 12–15. (Exec. Bus. Serv., Cairo Marriott Hotel, P.O. Box 33, Zamalek, Cairo, Egypt.)—Ardeidae.
- BANNON, J. K., & C. RICHARDSON. 1993. **White-capped Buntings *Emberiza stewarti* in the United Arab Emirates: a new bird for Arabia.** Emirates Bird Rept. 17: 3–5. (11 Walton Heath Rd., Warrington, Cheshire WA4 6HZ, UK.)
- BARTHEL, P. H. 1993. **[Checklist of the birds of Germany.]** J. Ornithol. 134: 113–135. (Deutsche Seltenheitenkomm., Thieplatz 6 A, DW- 3410 Northeim 12, Germany.) (German, Engl. summ.)
- BOESMAN, P. 1992. **[Elegant Tern at Zeebrugge in June–July 1988.]** Dutch Birding 14: 161–169. (VICSON SA, Aptdo. Postal 555, Valencia, Venezuela.)—*Sterna elegans* in Belgium. (Dutch, Engl. summ.)—A.v.d.B.
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- MEISSNER, W. 1993. [Wintering of the Mute Swan (*Cygnus olor*) and the Whooper Swan (*Cygnus cygnus*) on the Gulf of Gdańsk during the seasons of 1984/1985-1986/1987.] Notatki Ornitol. 34: 39-54. (Katedra Ekol. Zool. Kręgowców UG, Legionów 9, 80 441 Gdańsk, Poland.)—Polish Baltic coast. (Polish, Engl. summ.)—T.W.
- MEISSNER, W. 1993. [Wintering of the Velvet Scoter (*Melanitta nigra*) and the Common Scoter (*Melanitta fusca*) on the Gulf of Gdańsk during the seasons of 1984/1985-1986/1987.] Notatki Ornitol. 34: 95-102. (Katedra Ekol. Zool. Kręgowców UG, Legionów 9, 80 441 Gdańsk, Poland.) (Polish, Engl. summ.)
- MICHNO, B., ET AL. 1993. [Wintering of the Pochard (*Aythya ferina*) the Tufted Duck (*Aythya fuligula*) and the Scaup (*Aythya marila*) on the Gulf of Gdańsk during the seasons of 1984/1985-1986/1987.] Notatki Ornitol. 34: 63-80. (Katedra Ekol. Zool. Kręgowców UG, Legionów 9, 80 441 Gdańsk, Poland.)—Polish Baltic coast hosts 1-5% of European winter population of Scaup and Tufted Duck. (Polish, Engl. summ.)—T.W.
- MIERAUSKAS, P., & E. GREIMAS. 1992. Taxonomic status of yellow-legged Herring Gulls in eastern Baltic. Dutch Birding 14: 91-94. (Lab. Ornith., Inst. Ecol., Akademijos Str. 2, Vilnius 232600, Lithuania.)—*Larus argentatus*.
- MILČEV, B. P. 1991. [A new nesting place of *Circus pygargus* (L) in Bulgaria.] Ecology (Sofia) 24: 53-57. (Biol. Fac. SU "Kl. Ochribski", BG-1421 Sofia, Bulgaria.)—14 pairs in south of country. (Bulgarian, Engl. summ.)
- MILLER, A. 1992. Twenty years of the Common Birds Census on Hollesley Heath. Suffolk Birds 41: 7-11. (64 High Corner, Butley, Woodbridge IP12 3QF, UK.)
- MORALES SAUCES, J. 1992. [Observation of Peregrine (*Falco peregrinus*) in the city center of Córdoba.] Oxyura 6: 103 (Plaza Poeta Juan Bernier 1, 14001-Córdoba, Spain.) (Spanish.)
- NIELSEN, Ó. K., & H. BJÖRNSSON. 1992. [Rare and vagrant birds in Iceland: Falconiformes.] Náttúrufr. 61: 195-215. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—A total of 14 species of diurnal raptors known as vagrants till end of 1980, of which *Falco tinnunculus* is the most common (46 records), *Pandion haliaetus* (14 records), *Buteo lagopus* (12), *F. subbuteo* (7), *Circus cyaneus* (6), *F. peregrinus* (4, including two *F. p. tundrius*), *F. vespertinus* (3), *Pernis apivorus* (3), *Accipiter nisus* (3), *C. pygargus* (2), and single records of *Milvus migrans*, *C. aeruginosus*, *B. buteo*, and *Hieraetus pennatus*. (Icelandic, Engl. summ.)—A.P.
- OGLVIE, M. A. 1992. Recent status change of some birds on Islay. Scottish Birds 16: 240-259. (Glencairn, Bruichladdich, Isle of Islay, PA49 7UN, UK.)
- ÓLAFSSON, E. 1992. [Rare and vagrant birds in Iceland: nightjars and swifts.] Náttúrufr. 61: 81-91. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—Four species recorded, *Caprimulgus europaeus* (2 records), *Chordeiles minor* (1 record), *A. apus* (min. 228 individuals), and *A. melba* (2 records). (Icelandic, Engl. summ.)—A.P.
- ÓLAFSSON, E., G. PÉTURSSON, & Ó. K. NIELSEN. 1992. [Little Egrets *Egretta garzetta* occur in Iceland.] Bliki 11: 26-30. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—First and second records, both museum specimens. First record in Europe of the African louse fly species *Ornithoica podicipis* on one of them. (Icelandic, Engl. summ.)—A.P.
- PÁLSSON, K. 1992. [Black-headed Gulls *Larus ridibundus* nesting in the Blönduós area, N Iceland.] Bliki 12: 55. (Húnabraut 10, 540 Blönduós, Iceland.)—Numbers of breeding pairs have not changed during the past 30 years. (Icelandic, Engl. summ.)—A.P.
- PÁLSSON, K. 1992. [Black-tailed Godwits *Limosa limosa* colonization in Húnavatnssýslur counties, N Iceland.] Bliki 12: 59-60. (Húnabraut 10, 540 Blönduós, Iceland.)—Continual increase in sightings during the past 30 years. (Icelandic, Engl. summ.)—A.P.
- PAMBOUR, B., & A. R. A. AL KARRAIRY. 1991. Notes on the birds of the eastern Rub' al Khali, Saudi Arabia. Sandgrouse 13: 80-91. (Natl. Wildl. Res. Ctr., P.O. Box 1086, Taif, Saudi Arabia.)
- PARTRIDGE, J. K., & K. W. SMITH. 1992. Breeding wader populations in Northern Ireland. 1985-87. Irish Birds 4: 497-518. (Env. Plus, 26 Templeburn Rd., Crossgar, Co. Down, N. Ireland, UK.)—5000 pr. *Numenius arquata*, 5700 pr. *G. gallinago*, 5200 pr.

- V. vanellus*, 550 pr. *Tringa totanus*, 42 pr. *Pluvialis apricaria*, 10–20 pr. *Calidris alpina*.—J.G.G.
- PAUL, J. P. 1993. **Breeding birds in the Famenne: first regional atlas of southern Belgium.** Bird Census News 6(1): 27–34. (Cent. Ornithol. Aves, 36 Rue de la Regence, B-4000 Liege, Belgium.)—Reports on the establishment of atlas of breeding birds in Belgium.—G.E.
- PCHELINTSEV, V. 1992. **[First record of Dipper's nest in Leningrad District.]** Russian J. Ornithol. 2 (1): 114–115. (Biol. Inst., Stary Petergoff, St. Petersburg 198904, Russia.)—*C. cinclus*. (Russ., Engl. summ.)
- PERIS, S. J. 1992. **A note on the geographical variation of the Spotless Starling *Sturnus unicolor* Temm.** Ardea 80: 311–315. (Dept. Zool., Univ. Salamanca, 37071 Salamanca, Spain.)—482 sampled starlings and 96 from collections were measured: wing, tarsus, total body. Only wing length showed significant clinal variation.—H.W.d.N.
- PERSSON, H. 1993. **[Occurrence of Red-breasted Goose *Branta ruficollis* in Skåne, South Sweden.]** Anser 32: 173–176. (Dept. Ecol., Ecol. Bldg., S-223 62 Lund, Sweden.) (Swedish, Engl. summ.)—H.K.
- PERUŠEK, M. 1991. **[Birds of Rajhenavski Rog and Pečka the remains of Slovene virgin forest.]** Acrocephalus 49: 124–136. (Jurjevica 4, 61310 Ribnica, Slovenia.) (Slovene, Engl. summ.)
- PETERSEN, A. 1992. **[American Merlin visits Iceland.]** Bliki 12: 11–14. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—A specimen record of *Falco c. columbarius* in October 1989, after what was left of Hurricane "Hugo" reached Iceland. (Icelandic, Engl. summ.)—A.P.
- PETERSEN, A. 1992. **[Turnstone *Arenaria interpres* holding territory in Iceland.]** Bliki 12: 57–58. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—Turnstone has never been recorded breeding in Iceland. A male held a territory for at least several days. (Icelandic, Engl. summ.)—A.P.
- PÉTURSSON, G., G. THRÁINSSON, & E. ÓLAFSSON. 1992. **[Rare birds in Iceland in 1990.]** Bliki 12: 15–54. (EÓ: Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—Lists 82 species, the fewest ever since rare bird reports were first published (in 1979). Additional five species recorded from previous years. No new species added to the Icelandic checklist, probably for the first time since 1929! (Icelandic, Engl. summ.)—A.P.
- PÉTURSSON, G., G. THRÁINSSON, & E. ÓLAFSSON. 1992. **[Rare birds in Iceland in 1989.]** Bliki 11: 31–63. (EÓ: Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—Lists 100 species, second-highest number of species per year since 1979 (when rare bird reports first published). Four new species added to the Icelandic list, *Cygnus olor* (non-assisted, formerly feral), *Merops apiaster*, *Calidris pusilla*, and *Sylvia melanocephala*. *Falco c. columbarius* was a new subspecies. (Icelandic, Engl. summ.)—A.P.
- PÉTURSSON, G. 1992. **[The first Semipalmated Sandpiper *Calidris pusilla* found in Iceland.]** Bliki 12: 1–8. (Gautlandi 21, 108 Reykjavik, Iceland.)—First record in 1989, two more since (in 1990 and 1991) and an unsubstantiated record from 1986. Identification problems with related species outlined, and a review of all European records. (Icelandic, Engl. summ.)—A.P.
- POLAK, S. 1993. **[Breeders of Lake Cerknica and its vicinity.]** Acrocephalus 56–67: 32–62. (Koritnice 65, 66353 Knežak, Slovenia.) (Slovene, Engl. summ.)
- RAMÍREZ, J. M., ET AL. 1992. **[Breeding and wintering of the White-headed Duck (*Oxyura leucocephala*) in endorreic lagoons in Málaga Province.]** Oxyura 6: 55–65. (Reserva Nat. Laguna Fuente de Piedra, Aptdo. n° 1, 29520 Fuente de Piedra, Málaga, Spain.)—Presents data from censuses carried out in 1990–91, and discusses the positive effect of the high amount of rainfall in 1989–90 in the breeding success of the species. (Spanish, Engl. summ.)—B.E.A.
- RASMUSSEN, S. A. 1992. **Some observations of birds in northwestern Iraq, 1983.** Bull. Ornithol. Soc. Middle East 29: 6–11. (Kvoedevvej 35, DK-2830, Virum, Denmark.)
- RIABININ, S., & M. OLEARNIK. 1985. **[From observation of biocenology of birds of Lublin during winter season.]** Ann. Univ. Mariae Curie-Skłodowska 40: 133–143. (Zaklad Ochrony Przyrody, Inst. Biol. UMCS, 20-033 Lublin, Akademicka 19, Poland.)—*Plectrophenax nivalis* only in 1952, total 46 species. (Polish, Engl. & Russian summ.)—J.P.
- RICHARDSON, C. (ED.) 1992. **Bird Report.** Emirates Bird Rept. 17: 11–42. (P.O. Box 50394, Dubai, United Arab Emirates.)—Includes 1st UAE records of *Amaurornis phoenicurus*, *Glareola maldivarum*, *Columba palumbus*, *Cercotrichas podobe*, *Passer moabiticus*.—P.J.C.
- RICHARDSON, C. 1991. **Digdaga and Hamraniyah, United Arab Emirates.** Phoenix 8: 12–13. (P.O. Box 2825, Dubai, United Arab Emirates.)—Ornithologically important irrigated fields.—P.J.C.
- RICHARDSON, C. 1993. **Radde's Warbler *Phylloscopus schwarzi* at the Emirates Golf Course: a first record for Arabia.** Emirates Bird Rep. 17: 53–55. (P.O. Box 50394, Dubai, United Arab Emirates.)
- RICHARDSON, C. 1993. **Reed Warbler *Acrocephalus scirpaceus* breeding in Dubai: the first breeding record for the United Arab Emirates.** Emirates Bird Rept. 17: 59–60. (P.O. Box 50394, Dubai, United Arab Emirates.)
- ROBLEDANO AYMERICH, F., & J. F. CALVO SENDÍN. 1992. **[Wintering of three waterfowl species (*Podiceps nigricollis*, *Phoenicopterus ruber* and *Tadorna tadorna*) in hypersaline wetlands of southeastern Spain.]** Oxyura 6: 5–21. (Area Ecol., Campus Univ., Espinardo, 30100-Murcia, Spain.)—Concerned with the within- and between-year numerical variation of the most representative waterfowl wintering

- species in three locations, between years 1980–87. (Spanish, Engl. summ.)—B.E.A.
- ROOTHAERT, N. 1990. **First record of Blyth's Pipit, *Anthus godlewskii*, in Belgium.** Gerfaut 80: 61–72. (Duinkerkekeiweg 16, B-8660 Adinkerke, Belgium.)—5 color plates.—J.I.
- SÁNCHEZ TORTOSA, F., ET AL. 1992. [Annual changes of the wintering population of Cattle Egret (*Bubulcus ibis*) in Córdoba: 1982–1990.] *Oxyura* 6: 67–71 (Depto. Biol. Anim., Fac. Cienc., Córdoba, Spain.) (Spanish, Engl. summ.)
- SÁNCHEZ TORTOSA, F. 1992. [Census of wintering White Stork (*Ciconia ciconia*) in the Córdoba Province in 1989 and 1990.] *Oxyura* 6: 95–96 (Depto. Biol. Anim., Fac. Cienc., Córdoba, Spain.) (Spanish.)
- SCHIEKERMANN, H. 1992. [Two-barred Greenish Warbler at Castricum in September 1990.] Dutch Birding 14: 7–10. (Mr Ludwigstr. 1, 1901 PS Castricum, Netherlands.)—First *Phylloscopus plumbeitarsus* for The Netherlands. (Dutch, Engl. summ.)—A.v.d.B.
- SHEDDEN, I. 1992. **Dark-eyed Junco in Hamilton.** Scottish Birds 16: 280–281. (37 Laburnum Lea, Hamilton ML3 7LY, UK.)—*Junco hyemalis*.
- SHRUBB, M., & P. C. LACK. 1991. **The numbers and distribution of Lapwings *V. vanellus* nesting in England and Wales in 1987.** Bird Study 38: 20–37. (Hillcrest, Llanwrtyd Wells, Powys LD5 4TL, UK.)
- SIKORA, A. 1993. [Distribution and numbers of waterfowl wintering on the Baltic Sea between Gdynia and Hel.] *Notatki Ornitol.* 34: 131–140. (Katedra Ekol. Zool. Kręgowców UG, Legionów 9, 80 441 Gdańsk, Poland.)—Counts from boat on Polish Baltic were over 80% Long-tailed Ducks *Clangula hyemalis*. (Polish, Engl. summ.)—T.W.
- SIREK, J. 1991. [Evaluation of the occurrence of Common Gull *Larus canus* L. in middle Moravia.] *Zprávy MOS* 91: 45–50. (Tyrsova 1227, 752 01 Kojetin, Czechoslovakia.) (Czech.)
- SKARPHÉDINSSON, K. H. 1991. [Rare and vagrant birds in Iceland: Shorebirds 1 (Recurvirostridae, Burhinidae, Glareolidae, and Charadriidae.)] *Náttúrufr.* 61: 29–46. (Icelandic Mus. Nat. Hist., P.O. Box 5320, 125 Reykjavik, Iceland.)—Deals with 7 species of vagrant shorebirds, *Recurvirostra avosetta*, *Burhinus oedicnemus*, *Glareola nordmanni*, *Charadrius vociferus*, *C. morinellus*, *Pluvialis dominica*, and *P. squatarola*. All known Icelandic records listed in detail. (Icelandic, Engl. summ.)—A.P.
- SMIDDY, P. 1992. **The waterfowl of Ballymacoda, Co. Cork.** *Irish Birds* 4: 525–548. (Ballykenneally, Ballymacoda, Co. Cork, Ireland.)—202 counts between 1971 and 1988. 20,000 waterbirds are present each winter, of which majority are *Pluvialis apricaria* and *V. vanellus*.—J.G.G.
- SNORRASON, P. 1992. [First breeding record for Shelduck in Iceland.] *Bliki* 12: 9–11. (Ósi, 603 Akureyri, Iceland.)—First breeding record for *T. tadorna* summer 1990. (Icelandic, Engl. summ.)—A.P.
- SOLOV'ÉVA, D. 1992. [New passerine species in the Lower Lena River.] *Russian J. Ornithol.* 2 (2): 254–255. ("Ust-Lensky" Reserve, Tiksi, 678400, Russia.) (Russ., Engl. summ.)
- SOUČEK, J. 1993. [Contribution to the breeding biology of Scarlet Grosbeak (*Carpodacus erythrinus*)] *C.S.O. News* 36: 22–23. (Fibichova 11, Šumperk, CZ-787 01, Czech Republic.)—Mating display, nest site. (Czech, Engl. summ.)—P.M.
- SOVINC, A., ET AL. 1993. [Ornithological Atlas of Ljubljansko barje—preliminary report.] *Acrocephalus* 60: 145–151. (Pod Kostanji 44, 61000 Ljubljana, Slovenia.) (Slovene, Engl. summ.)
- SPIEKMAN, H. 1992. **Results of wader ringing activities in Tunisia 1962–1986.** *WIWO Rept.* 44: 1–31. (% Driebergseweg 16c, 3708 JB Ziest, Netherlands.)
- ŠTANCL, L. 1992. [Some notes on supposed nesting of Cormorant, *Phalacrocorax carbo*, at the Rozhrana pond in Pardubice region in 1983.] *Sylvia* 28 (1991): 121–122. (Rohovládova Bělá 43, CZ-533 43, Czech Republic.) (Czech, Engl. summ.)
- ŠTANCL, L. 1992. [The occurrence of the Thrush Nightingale in East Bohemia.] *Panurus* 4: 53–60. (Rohovládova Bělá 43, 533 43, Czech Republic.)—44 records of *L. luscinia* during 1967–1990. (Czech, German summ.)—P. V.
- ŠTANCL, L., & H. ŠTANCOVÁ 1992. [Record of the Whiskered Tern in Pardubice region after 100 years.] *Panurus* 4: 89–90. (Rohovládova Bělá 43, 533 43, Czech Republic.)—*Chlidonias hybrida*. (Czech, German summ.)
- STĘPNIEWSKI, J. 1993. [The Red-rumped Swallow (*Hirundo daurica*)—a new species for the Wielkopolska region.] *Notatki Ornitol.* 34: 173–174.—One in Poland. (Polish, Engl. summ.)—T.W.
- STEWART-SMITH, J. 1992. **Socotra Cormorants *Phalacrocorax nigrogularis* breeding in the UAE.** *Tribulus* 2: 22–24. (24 Carneton Close, Crantock, Cornwall TR8 5RY, UK.)
- ŠTUMBERGER, B. 1990. [Distribution of White Stork's *Ciconia ciconia* nest sites in area of Ptuj in 1989.] *Acrocephalus* 43–44: 11–18. (41 Cirkulane 62282, Slovenia.) (Slovene, Engl. summ.)
- SUMMERS-SMITH, J. D. 1992. **The Tree Sparrow *Passer montanus* in Sardinia.** *Bull. Brit. Ornithol. Cl.* 112: 270–274. (Merlewood, The Avenue, Guisborough, Cleveland TS14 8EE, UK.)
- SYMENS, P., & E. HIRSCHFELD. 1992. **Grey Hypocolius in Arabia.** *Dutch Birding* 14: 144–146. (NCWCD, P.O. Box 61681, 11575 Riyadh, Saudi Arabia.)—*Hypocolius ampelinus*.
- SYMENS, P. 1991. **First breeding record of Sandwich Tern in Arabia.** *Phoenix* 8: 3. (NCWCD, P.O. Box 61681, 11575 Riyadh, Saudi Arabia.)—*Sterna sandvicensis*.
- TOMKOVICH, P. S. 1992. **Spoon-billed Sandpiper in northeastern Siberia.** *Dutch Birding* 14: 37–41.

- (Zool. Mus., Moscow State Univ., Herzen Str. 6, 103009 Moscow K-9, Russia.)—Breeding biology of *Eurynorhynchus pygmaeus*.—A.v.d.B.
- TRONTEJ, P. 1992. [Avifauna of Zbilje and Trboje Reservoirs on the River Sava.] *Acrocephalus* 50: 2–16. (C. na Laza 27, 61000 Ljubljana, Slovenia.)—Ecology phenology of birds between Ljubljana and Kranj in SLO. (Slovene, Engl. summ.)—M.V.
- TÜLLINGHOFF, R., & H.-H. BERGMANN. 1993. [Curlew habitats (*Numenius arquata*) in Lower Saxonia—preferred and avoided structures of agricultural landscapes.] *Vogelwarte* 37: 1–11. (Gartenstr. 4, DW-4553 Voltlage, Germany.) (German, Engl. summ.)
- TYRBERG, T. 1992. [Bird report for 1991.] *Vår Fågelvärld* 51:(7–8): 33–63. (Kimstadsv. 37, S610 20 Kimstad, Sweden.)—Records of uncommon birds in Sweden, 1991. (Swedish, Engl. summ.)—M.E.
- TYRBERG, T. 1993. [A history of the first records of bird species in Sweden.] *Vår Fågelvärld* 52: (1): 14–28. (Kimstadsv. 37, S-610 20 Kimstad, Sweden.)—List of 468 species, the oldest documented record is *Corvus corax*, named on rune-stone from 500 A.D. (Swedish.)—M.E.
- VAN DEN BERG, A. B. 1992. Recent WP reports. *Dutch Birding* 14: 24–30, 62–65, 110–113, 149–152, 185–189, 230–233. (Duinlustparkweg 98, 2082 EG Santpoort-Zuid, Netherlands.)—Recent records of rare and interesting birds in the Western Palearctic, focusing on NW Europe, from Sept. 1991 to Oct. 1992.—A.v.d.B.
- VAN DEN BERG, A. B. 1992. [Two Whiskered Terns in Flevoland in winter of 1991/92.] *Dutch Birding* 14: 214–218. (Duinlustparkweg 98, 2082 EG Santpoort-Zuid, Netherlands.)—First winter record of *Chlidonias hybridus* for The Netherlands.—A.v.d.B.
- VAN DER SPEK, A., & V. VAN DER SPEK. 1992. [Lesser Yellowlegs near Flaauwersinlaag in October 1991.] *Dutch Birding* 14: 50–52. (Dasseburcht 39, 3892 WC Zeewolde, Netherlands.)—Second *Tringa flavipes* for The Netherlands. (Dutch, Engl. summ.)—A.v.d.B.
- VAN DUIN, G. 1992. [Rare birds in Azores in October 1991.] *Dutch Birding* 14: 173–176. (Laplacestr. 20, 1098 HW Amsterdam, Netherlands.)—*Phalacrocorax auritus*, *N. nycticorax*, *Anas strepera*, *A. discors*, *Haematopus ostralegus*, *V. vanellus*, *Charadrius semipalmatus*, *Calidris fuscicollis*, and *Actitis macularia*. (Dutch, Engl. summ.)—A.v.d.B.
- VAN SANDEN, P., & J. VAN DEN STEEN. 1992. [Rare birds in Flanders in 1989.] *Oriolus* 58: 44–49. (Chrysantenpad 3, B-3930 Achel, Belgium.)—*Sterna anaethetus*, *Locustella certhiola*, and *Lanius isabellinus* new for Belgium. (Dutch, Engl. summ.)
- VOGRIN, M., & A. HUDOKLIN. 1993. [Birds of the lower course of the Sava River.] *Acrocephalus* 61: 191–200. (Hotinja vas 164/a, 62312 Orehova vas, Slovenia.) (Slovene, Engl. summ.)
- VOGRIN, M. 1990. [Ornithological observations in Central Macedonia.] *Acrocephalus* 45: 47–52. (Hotinja vas 164/a, 62312 Orehova vas, Slovenia.)—Including some interesting observations (*Oenanthe pleschanka*—probable breeder in Macedonia.) (Slovene, Engl. summ.)—M.V.
- VOGRIN, M. 1991. [A new colony of Black-headed Gull *Larus ridibundus* and Common Tern *Sterna hirundo* at Hoče near Maribor.] *Acrocephalus* 49: 121–123. (Hotinja vas 164/a, 62312 Orehova vas, Slovenia.)—Colony discovered in gravel pit. (Slovene, Engl. summ.)—M.V.
- VOTIER, S. C. 1992. Semi-palmated Sandpiper on Fair Isle: a first record for Scotland. *Scottish Birds* 16: 277–279. (% Fair Isle Bird Obs., Shetland ZE2 9JU, UK.)—*Calidris pusilla*.
- WRUSS, W. 1992. [Significant avifaunistic records from Austrian Carinthia.] *Acrocephalus* 54: 139–144. (Klagenfurt, Walddorf 62, Austria.) (Slovene, Engl. summ.)
- ZIÓLKOWSKI, M. 1991. [The first record of breeding of the Herring Gull *Larus argentatus* Pontoppidan 1763 on the roofs of buildings in Poland.] *Przegł. Zool.* 35: 349–353. (Zakład Zool. WSP, ul. Arciszewskiego 22b, 76-200 Slupsk, Poland.) (Polish, Engl. summ.)

TECHNIQUES AND METHODS

- AFANASYEV, V., & P. A. PRINCE. 1993. A miniature storing activity recorder for seabird species. *Ornis Scand.* 24: 243–246. (Brit. Antarct. Surv., NERC, High Cross, Madingley Rd., Cambridge CB3 0ET, UK.)—Description of 24 g on-board data recorder, plus data from field tests on *Diomedea exulans*.—R.T.B.
- ANDERSEN, D. E. 1994. Longevity of solar-powered radio transmitters on buteonine hawks in eastern Colorado. *J. Field Ornithol.* 65: 122–132. (Dept. Fish. Wildl., Univ. Minnesota, St. Paul, MN 55108 USA.)—*Buteo jamaicensis*, *B. regalis*, *B. swainsoni*.
- BELANT, J. L., & T. W. SEAMANS. 1993. Evaluation of dyes and techniques to color-mark incubating Herring Gulls. *J. Field Ornithol.* 64: 440–451. (Great Lakes Indian Fish & Wildl. Comm., 1908 ½ W. Superior St., Duluth, MN 55806 USA.)—To color-mark *Larus argentatus*, recommend a mixture of 37.5 g Rhodamine B and 50 ml isopropyl alcohol (35%) with 500 ml of an oil-based silica gel, and use of a dummy egg or marking only 1 egg of a clutch late in incubation.—R.A.I.
- BELANT, J. L., J. F. OLSON, & R. K. ANDERSON. 1993. Evaluation of the single survey technique for assessing Common Loon populations. *J. Field Ornithol.* 64: 77–83. (Denver Wildl. Res. Ctr., 6100 Columbus Ave., Sandusky, OH 44870 USA.)—Conclude that method is ineffective in estimating territorial adult *Gavia immer* but will yield good estimates of fledging success.—R.A.I.
- BELAY, T., ET AL. 1993. A detailed colostomy procedure and its application to quantify water and nitrogen balance and urine contribution to thermobalance in broilers exposed to thermoneutral

- and heat-distressed environments. *Poultry Sci.* 72: 106-115. (Dept. Anim. Sci. & Dept. Med. & Surgery, Oklahoma State Univ., Stillwater, OK 74078 USA.)—Describes a surgical procedure that can be used to separate avian urinary and fecal excrement in chickens, *G. gallus*, as young as 3.5 weeks of age.—I.L.B.
- BERRY, J. 1993. **Finding nests.** *Birding* 25: 110-117. (136 County Rd., Ipswich, MA 01938 USA.)—Techniques and rationale for developing one of the least common of field skills.—R.B.C.
- BITTNER, R. A. 1993. **Bluebird boxes: unusual designs.** *Blue Jay* 51: 49-51. (Box 97, Abernethy, SK 50A 0A0, Can.)—*Sialia currucoides*.
- BORRAS, A., ET AL. 1993. **Sexing fledglings of cardueline finches by plumage color and morphometric variables.** *J. Field Ornithol.* 64: 199-204. (Mus. Zool., Apdo. 593, 08080 Barcelona, Spain.)—Color allows for sexing 69% of 34 *Serinus citrinella* and use of morphometrics increases correct classification to 97%.—R.A.I.
- BRISKIE, J. V., & T. R. BIRKHEAD. 1993. **A review of the methods used to study the anatomy of avian sperm storage.** *Ornis Scand.* 24: 323-329. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—Describe and evaluate simple technique for studying anatomy of sperm storage using whole mount preparations of unstained oviducal tissue.—R.T.B.
- BRODIN, A. 1993. **Radio-ptilochronology—tracing radioactively labelled food in feathers.** *Ornis Scand.* 24: 167-173. (Dept. Zool., Stockholm Univ., S-10691 Stockholm, Sweden.)—Lab and field study of *Parus montanus* and *P. palustris* to assess accuracy of ptilochronology and to test its usefulness for studies of retrieval in food-hoarding species.—R.T.B.
- BURNHAM, K. P. 1990. **Survival analysis of recovery data from birds ringed as young: efficiency of analyses when numbers ringed are not known.** *Ring* 13: 115-132. (Colorado Coop. Fish & Wildl. Res. Unit, USFWS, 201 Wager Bldg., Colorado State Univ., Fort Collins, CO 80523 USA.)
- BUSSE, P. 1990. **Studies of long-term population dynamics based on ringing data.** *Ring* 13: 221-234. (Bird Migr. Res. Stn., Univ. Gdansk, Przebendowo, 84-210 Choczewo, Poland.)—Interpretation of the results of population dynamics studies, based on ringing data, is very difficult if the migration pattern of the species is not well described.—J.P.
- CALVO, B., & R. W. FURNESS. 1992. **A review of the use and the effects of marks and devices on birds.** *Ring* 13: 129-151. (Appl. Ornith. Unit, Dept. Zool., Univ. Glasgow G12 8QQ, UK.)—Little reporting on effects to date. Assumption of no influence needs to be critically tested in future.—I.M.S.
- CAVANAGH, P. M., & C. R. GRIFFIN. 1993. **Suitability of Velcro® leg tags for marking Herring and Great Black-backed gull chicks.** *J. Field Ornithol.* 64: 195-198. (Dept. For. & Wildl. Manage., Univ. Massachusetts, Amherst, MA 01003-0130 USA.)—*Larus argentatus* and *L. marinus*.
- CAVANAGH, P. M., C. R. GRIFFIN, & E. M. HOOPES. 1992. **A technique to color-mark incubating gulls.** *J. Field Ornithol.* 63: 264-267. (Dept. For. & Wildl. Manage., Univ. Massachusetts, Amherst, MA 01003-0130 USA.)—*Larus argentatus*, *L. marinus*, and *L. atricilla* mark themselves by incubating artificial eggs treated with petroleum jelly/Rhodamine B mixture.—R.A.I.
- CIBULKOVÁ, M. 1993. **[Methods of catching Icterine Warblers (*Hippolais icterina*)]** *C.S.O. News* 36: 3-11. (Zahradní 32, Jablonec nad Nisou, CZ-466 02, Czech Republic.)—Catching, territoriality, nest site. (Czech, Engl. summ.)—P.M.
- CONROY, M. J., & J. E. HINES. 1990. **Flexible models for analysing ring recovery data to estimate survival rates.** *Ring* 13: 173-192. (USF&WS, Georgia Coop. Fish & Wildl. Res. Unit., Sch. For. Resour., Univ. Georgia, Athens, GA 30602 USA.)—*Anas platyrhynchos*, *Aythya collaris*, *Branta bernicla*.
- DELANY, M. F., D. R. PROGULSKÉ, JR., & S. D. COLTMAN. 1992. **Netting and banding Florida Grasshopper Sparrows.** *N. Am. Bird Bander* 17: 45-47. (Florida Game Freshwater Fish Comm., 4005 S. Main St., Gainesville, FL 32601 USA.)—Step insertion poles with nets unfurled when birds were encountered were highly effective in capturing *Ammodramus savannarum floridanus*.—R.B.C.
- DUFEU, C., & J. MCMEEKING. 1991. **Does constant effort netting estimate juvenile abundance?** *Ring* 13: 118-123. (66 High St., Beckingham, Notts. DN10 4PF, UK.)—Yes.—I.M.S.
- EBBINGE, B. S., & H. VAN DER VOTE. 1990. **Have all Barnacle Geese *Branta leucopsis* the same probability of being sighted? Implications for estimation of survival rate.** *Ring* 13: 37-44. (Res. Inst. Nat. Manage., Posbus 9201, NL-6800 HB Arnhem, Netherlands.)
- EVANS, D. R., E. M. HOOPES, & C. R. GRIFFIN. 1993. **Discriminating the sex of Laughing Gulls by linear measurements.** *J. Field Ornithol.* 64: 472-476. (Dept. For. Wildl. Manage., Univ. Massachusetts, Amherst, MA 01003-0130 USA.)—Bill, total body and wing lengths best discriminate New York *Larus atricilla*.—R.A.I.
- FANCY, S. G., ET AL. 1993. **Identifying sex and age of Apapane and Iiwi on Hawaii.** *J. Field Ornithol.* 64: 262-269. (USF & WS, P.O. Box 44, Hawaii Natl. Pk., HI 96718 USA.)—Use wing chord and exposed culmen lengths to sex adult *Himatione sanguinea* and *Vestiaria coccinea*; can distinguish between juvenile, first basic, and adult plumages for each species.—R.A.I.
- FERRER, M., & C. DE LE COURT. 1992. **Sex identification in the Spanish Imperial Eagle.** *J. Field Ornithol.* 63: 359-364. (Est. Biol. Doñana, CSIC Av. María Luisa, Pabellón del Perú 41013 Sevilla,

- Spain.)—Classify 94.7% of *Aquila [heliaca] adalberti* using forearm length.—R.A.I.
- FLEMING, T. L., J. B. BUCHANAN, & L. L. IRWIN. 1991. **Footpad dimorphism as a possible means to determine sex of adult and juvenile Northern Spotted Owls (*Strix occidentalis caurina*).** N. Am. Bird Bander 16: 66–68. (Natl. Coun. Paper Industry for Air & Stream Improvement, 720 SW Fourth, Corvallis, OR 97339 USA.)—Ca. 85% of adults sexable on footpad length; too few sexed juvenile specimens for determination.—R.B.C.
- FREEMAN, S. N., & B. J. T. MORGAN. 1990. **Studies of the analysis of ring-recovery data.** Ring 13: 271–288. (Inst. Math., Univ. Kent, Canterbury, Kent CT2 7NF, UK.)—Gulls, geese, herons age dependence, time dependence, survival analysis, ring-loss.—J.P.
- FREEMAN, S. N., & P. M. NORTH. 1990. **Estimation of survival rates of British, Irish and French Grey Herons.** Ring 13: 139–166. (Mathematical Inst., Univ. Kent, Canterbury, UK.)—*Ardea cinerea*.
- FREEMAN, S. N., B. J. T. MORGAN, & E. A. CATCHPOLE. 1992. **On the augmentation of ring recovery data with field information.** J. Anim. Ecol. 61: 649–657. (Renewable Res. Assessment Group, Imperial Coll., 8 Prince's Gardens, London SW7 1NA, UK.)—Estimation of avian annual survival rates combining data from two separate studies: a ring-recovery experiment and radio-tracking study.—R.A.N.
- GARGALLO, G. 1992. **Ageing in the Dartford Warbler *Sylvia undata*.** Ringing & Migr. 13: 52–56. (Sant Pere 38, El Masnou 08320, Barcelona, Spain.)
- GEMMILL, D. 1993. **Film in bird photography.** Birding 25: 169–177. (215 10th St. SE, Washington, DC 20560 USA.)—Compares various color films with Kodachrome 64 being best overall.—R.B.C.
- GRATTO-TREVOR, C. L. 1994. **Banding and foot loss: an addendum.** J. Field Ornithol. 65: 133–134. (Prairie North. Wildl. Res. Ctr., 115 Perimeter Rd., Saskatoon, SK S7N 0X4, Can.)—0.3% natural, healed leg injuries in 2583 adult shorebirds; no injuries from metal bands in 278 *Calidris pusilla*.
- GREEN, R. E., S. R. BAILLIE, & M. I. AVERY. 1990. **Can ringing recoveries help to explain the population dynamics of British terns?** Ring 13: 133–137. (B.T.O., Beech Grove, Tring, Hertfordshire HP23 5NR, U.K.)
- GREENWOOD, J. J. D. 1992. **Fat scores: a statistical observation.** Ringing & Migr. 13: 59–60. (BTO, The Nunnery, Thetford, Norfolk IP24 2PU, UK.)—Analyses of fat score need great care.—I.M.S.
- GRUYS, R. C., & S. J. HANNON. 1993. **Sex determination of hunter-killed and depredated Willow Ptarmigan using a discriminant analysis.** J. Field Ornithol. 64: 11–17. (SJH: Dept. Zool., Univ. Alberta, Edmonton, AB T6G 2E9, Can.)—Find a model incorporating wing chord and rectrix length best separates *L. lagopus* sexes.—R.A.I.
- HAFFER, J. 1994. **[The Seebohm-Hartert-"school" of European ornithology.]** J. Ornithol. 135: 37–54. (Tommesweg 60, D-45149 Essen, Germany.) (German, Engl. summ.)
- HAMER, K. C., & R. W. FURNESS. 1991. **Sexing Great Skuas *Catharacta skua* by discriminant analysis using external measurements.** Ringing & Migr. 12: 16–22. (Appl. Ornithol. Unit, Dept. Zool., Univ., Glasgow G12 8QQ, UK.)—Discriminant functions derived by different workers seem not to be reliable.—I.M.S.
- HANSROTE, C., & M. HANSROTE. 1991. **Using two survey methods to determine a suburban bird population.** N. Am. Bird Bander 16: 114–118. (24 Greenwell Ct., Lynchburg, VA 24502 USA.)—Comparison of the number of species noted during three years of informal field observation with five years of mist-netting.—R.B.C.
- HARRIS, P. 1992. **Ageing finches in southern Portugal.** Ringing & Migr. 13: 175–176. (A Rocha BO & Field St. Ctr., Cruzinha, Mexilhoeira Grande, 8500 Portimao, Portugal.)—*Fringilla coelebs*, *S. serinus*, *Carduelis chloris*, *C. carduelis*.
- HAUG, E. A., & A. B. DIDIUK. 1993. **Use of recorded calls to detect Burrowing Owls.** J. Field Ornithol. 64: 188–194. (314 Egbert Ave., Saskatoon, SK S7N 1X1, Can.)—Male *Speotyto cunicularia* are very responsive (84%); technique increases detection of all owls by 53%.—R.A.I.
- HAYWARD, G. D., & J. W. DEAL. 1993. **An optic device to inspect nest boxes from the ground.** J. Field Ornithol. 64: 179–187. (Rocky Mtn. Exp. Stn., 222 S. 22nd St., Laramie, WY 82070 USA.)
- HENDERSON, I. G. 1991. **Sexing a population of Jackdaws on the basis of biometric characteristics.** Ringing & Migr. 12: 23–27. (Dept. Zool., Adrian Bldg., Univ., Leicester LE1 7RH, UK.)—After correct ageing of *Corvus monedula*, combinations of wing and tarsus lengths may sex c.95%.—I.M.S.
- HIGUCHI, H., ET AL. 1992. **Satellite tracking of the migration routes of cranes from southern Japan.** Strix 11: 1–20. (Res. Ctr., Wild Bird Soc. Japan, Higashi 2-24-5, Shiuya-ku, Tokyo 150, Japan.)—Description of the migration routes and problems with the techniques used.—M.R.E.
- HOLDER, K., & R. MONTGOMERIE. 1993. **Red colour bands do not improve the mating success of male Rock Ptarmigan.** Ornithol. Scand. 24: 53–58. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—A posteriori study of *Lagopus mutus*.—R.T.B.
- JACKSON, C. H. W. 1992. **A cautionary tale on the ageing of Firecrests *Regulus ignicapilis* using rectrix shape.** Ringing & Migr. 13: 127. (A Rocha BO & Field St. Ctr., Cruzinha, Mexilhoeira Grande, 8500 Portimao, Portugal.)
- JEFFREY, J. J., ET AL. 1993. **Sex and age identification of Palila.** J. Field Ornithol. 64: 490–499. (Hakalau For. NWR, 154 Waiuanueue St., Hilo, HI 96720 USA.)—Use distinctness of nape-line and amount of gray feathers on the head to sex adult *Loxioides*

- bailloui*; after-second-year birds show no wing-bars.—R.A.I.
- JESKE, C. W., ET AL. 1993. Use of a restraining board and wing bands to immobilize and mark Mallards. *J. Field Ornithol.* 64: 84–89. (Nat. Wetlands Res. Ctr., 700 Cajun Dome Blvd., Lafayette, LA 70506 USA.)—*Anas platyrhynchos*.
- KAISER, A., & H.-G. BAUER. 1994. [Field experiments to determine the size of breeding populations by means of capture-recapture and visual/acoustical census methods.] *Vogelwarte* 37: 206–231. (Max-Planck-Inst. Verhaltensphysiol., Vogelwarte Radolfzell, Am Obstberg, D-78315 Radolfzell-Möggingen, Germany.) (German, Engl. summ.)
- KAISER, A. 1993. A new multi-category classification of subcutaneous fat deposits of songbirds. *J. Field Ornithol.* 64: 246–255. (Max-Planck-Inst. Behav. Physiol., Vogelwarte Radolfzell, D-7760 Radolfzell, Germany.)—Reports technique using 9 main classes with up to 4 subclasses each; demonstrates a clear correlation between fat score and fat content, with low variability for 9 different species.—R.A.I.
- KARLSSON, L., ET AL. 1993. Ageing of Tree Pipits *Anthus t. trivialis*. *Ornis Svecica* 3: 69–80. (Falsterbo Bird Obs., S-230 11 Falsterbo, Sweden.)—Criteria for ageing, with color photos of useful characters.—H.K.
- KAUTZ, J. E., & T. W. SEAMANS. 1992. Techniques for Feral Pigeon trapping, tagging and nest monitoring. *N. Am. Bird Bander* 17: 53–59. (New York Coop. Fish Wildl. Res. Unit., Fernow Hall, Cornell Univ., Ithaca, NY 14853 USA.)—*Columba livia*.
- KENWARD, R. E., ET AL. 1993. Techniques for radio-tagging pheasant chicks. *Bird Study* 40: 51–54. (ITE, Furzebrook Rd., Wareham, Dorset BH20 5AS, UK.)—*Phasianus colchicus*.
- KERRY, K. R., J. R. CLARKE, & G. D. ELSE. 1993. Identification of sex of Adelle Penguins from observations of incubating birds. *Wildl. Res.* 20: 725–732. (Austral. Antarct. Div., Channel Hwy., Kingston, Tas. 7050, Australia.)—*Pygoscelis adeliae*.
- KITOWSKI, I. 1993. [Method of determining numbers of Hen Harriers (*Circus cyaneus*) in a non-breeding period.] *Notatki Ornitol.* 34: 163–165. (Zakład Ochrony Przyrody UMCS, Akademicka 19, 20 033 Lublin, Poland.)—Counts at roosts. (Polish, Engl. summ.)—T.W.
- KLEINTJES, P. K., & D. L. DAHLSTEN. 1992. A comparison of three techniques for analyzing the arthropod diet of Plain Titmouse and Chestnut-backed Chickadee nestlings. *J. Field Ornithol.* 63: 276–285. (Div. Biol. Control, Univ. California, Berkeley, CA 94720 USA.)—Compared with either fecal sac or gut analysis, photography is the most effective and complete method for *Parus inornatus* and *P. rufescens*.—R.A.I.
- LAKHANI, K. H. 1990. Choice of models for estimating age-specific bird survival rates using data from ringing recoveries. *Ring* 13: 23–36. (Nat. Environ. Res. Council, I.T.E., Monks Wood Exp. Stn., Abbots Ripton, Huntingdon, Cambs PE17 2LS, UK.)
- LOWE, K. W. 1991. Preliminary experiments on the reporting of the recovery of banded birds in southeastern Australia. *Wildl. Res.* 18: 413–419. (Arthur Rylah Inst., P.O. Box 137, Heidelberg, Vic. 3084, Australia.)—Examines the reporting rate from pilot trials with live and dead banded birds.—M.G.B.
- MARKOVETZ, M. Y. 1991. [Sex determination of Common Treecreepers (*Certhia familiaris familiaris* L.).] *USSR Acad. Sci. Proc. Zool. Inst. Ecol. Fauna Eurasiatic Birds* 239: 80–84. (Zool. Inst. AN SSSR, Univ. St. Petersburg, St. Petersburg, Russia.) (Russian, Engl. summ.)
- MARKOVETZ, M. 1992. [Sexing of Willow Tits (*Parus montanus*).] *Russian J. Ornithol.* 2(1): 111–113. (Zool. Inst., Universitetskaya nab. 1, St. Petersburg 199034, Russia.)—Discriminant equation incorporating wing and tail length of birds is given. (Russ., Engl. summ.)—E.P.
- MARTIN, A. L. 1992. Ageing Siskins—a cautionary note. *Ring* 13: 181–182. (Orchard House, 44 Chertsey Rd., Windlesham, Surrey GU20 6EP, UK.)—*Carduelis spinus*.
- MARTIN, T. E., & G. R. GEUPEL. 1993. Nest-monitoring plots: methods for locating nests and monitoring success. *J. Field Ornithol.* 64: 507–519. (Dept. Biol. Sci., Univ. Montana, Missoula, MT 59812 USA.)—Describe standardized methods and cues that can provide data on habitat influences on nesting productivity and causes of population trends.—R.A.I.
- MATSUOKA, S. 1989. [Scaring effect of face of mannequin on the Rufous Turtle Dove *Streptopelia orientalis*.] *Japan. J. Ornithol.* 38: 79–92. (Ornithol. Lab., Natl. Agric. Res. Ctr., Min. Agr., For. Fish., Tsukuba, Ibaraki 305, Japan.)—Difference in response of individual doves in different flock sizes to mannequins as a type of scarecrow. (Japanese, Engl. summ.)—Y.E.
- MATSUOKA, S. 1991. [Effect of the site preference on the two-dish choice experiments a model simulated by Monte Carlo method.] *Japan. J. Ornithol.* 39: 83–92. (For. For. Prod. Res. Inst., Min. Agric. For. Fish., Kukizaki-machi, Ibaraki 305, Japan.) (Japanese, Engl. summ.)
- MCNICHOLL, M. K., A. LLANES SOSA, & B. SANCHEZ ORIA. 1993. Appropriate band-size for Key West Quail Dove. *N. Am. Bird Bander* 18: 11–12. (218 First Ave., Toronto, ON M4M 1X4, Can.)—3A/4 recommended for *Geotrygon chrysis*.—R.B.C.
- MELLOTT, R. S., & P. E. WOODS. 1993. An improved ligature technique for dietary sampling in nestling birds. *J. Field Ornithol.* 64: 205–210. (Inst. Wildl. & Environ. Toxicol., Clemson Univ., P.O. Box 709, Pendleton, SC 29670-0709 USA.)—*Sturnus vulgaris*.
- MEYBURG, B.-U., W. SCHELLER, & C. MEYBURG. 1993. [Satellite tracking of a juvenile Lesser Spotted Ea-

- gle (*Aquila pomarina*) during autumn migration.] J. Ornithol. 134: 173-179. (Wangenheimstr. 32, DW-1000 Berlin 33, Germany.) (German, Engl. summ.)
- MEYERS, J. M., & K. L. PARDIECK. 1993. Evaluation of three elevated mist-net systems for sampling birds. J. Field Ornithol. 64: 270-277. (USF & WS, P.O. Box N, Palmer, PR 00721 USA.)—Recommend an aluminum telescoping-pole system without pulleys over one with pulleys or a plastic-pole system.—R.A.I.
- MITCHELL, A. D., ET AL. 1991. Assessment of body composition of poultry by nuclear magnetic resonance imaging and spectroscopy. Poultry Sci. 70: 2494-2500. (USDA, Agric. Res. Serv., Livestock & Poultry Sci. Inst., Beltsville, MD 20705 USA.)—Whole-body nuclear magnetic resonance imaging and spectroscopy can be used to measure total body water, protein, and lipid in growing birds.—I.L.B.
- MOELLER, E. 1993. The problem of counting Lichtenstein's Sandgrouse *Pterocles lichtensteinii*. Emirates Bird Rept. 17: 9-10. (Parkstr. 13, 4900, Herford, Germany.)
- MULVIHILL, R. S. 1993. Using wing-molt to age passerines. N. Am. Bird Bander 18: 1-10. (Powdermill Nat. Reserve, HC64, Box 453, Rector, PA 15677-9605 USA.)—Review discusses recognition of retained juvenal feathers. A useful table shows feather groups to check and the degree to which molt is useful in ageing a variety of North American species.—R.B.C.
- MURIE, J. O., L. S. DAVIS, & I. G. MCLEAN. 1991. Identifying the sex of Fiordland Crested Penguins by morphometric characters. Notornis 38: 233-238. (Dept. Zool., Univ. Alberta, Edmonton T6G 2E9, Can.)—*Eudyptes pachyrhynchus*.
- MUSIL, P. 1993. [Methodical problems with estimation of abundance in Water Rail (*Rallus aquaticus*).] C.S.O. News 36: 42-49. (Inst. Appl. Ecol., Kostelec n.Č.l., CZ-281 63, Czech Republic.)—Acoustic activity, census methods, changes in numbers. (Czech, Engl. summ.)—P.M.
- MUSIL, P. 1993. [Five years of monitoring water birds breeding population by the two-check method (1988-1992).] C.S.O. News 36: 29-41. (Inst. Appl. Ecol., Kostelec n.Č.l., CZ-281 63, Czech Republic.)—General information, methods, changes in numbers, clutch size, brood size. (Czech, Engl. summ.)—P.M.
- NISBET, I. C. T. 1991. Problems with Darvic color-bands on Common Terns: band losses and foot injuries. N. Am. Bird Bander 16: 61-63. (I.C.T. Nisbet & Co., 150 Alder Ln., North Falmouth, MA 02556 USA.)—High rates of loss and injuries to *Sterna hirundo* can be diminished by heat-sealing bands, but further studies may show that use of Darvic butt-end bands is inadvisable.—R.B.C.
- NORMAN, S. C. 1992. Ageing Yellowhammers throughout the year. Ringing & Migr. 13: 117-119. (62 Birkdale Rd., Errington Pk., New Marske, Cleveland TS11 8JB, UK.)—*Emberiza citrinella*.
- NORTH, P. M. 1990. Analysis of avian ring recovery and live recapture data: where have we come from Wageningen to Sempach? Ring 13: 1-2: 11-22. (Applied Stat. Res. Unit, Univ. Kent, Canterbury, Kent CT2 7NF, UK.)
- PALMEIRIM, J. M., & J. E. RABACA. 1994. A method to analyze and compensate for time-of-day effects on bird counts. J. Field Ornithol. 65: 17-26. (Dept. Zool., Univ. Lisbon, P-1700 Lisbon, Portugal.)—Use moving averages to generate a curve portraying changes in *Certhia brachyactyla*, which can then compensate.—R.A.I.
- PARDIECK, K., & R. B. WAIDE. 1992. Mesh size as a factor in avian community studies using mist nets. J. Field Ornithol. 63: 250-255. (USF & WS, P.O. Box N, Palmer, PR 00721 USA.)—Report catching 530 tropical birds representing 17 species differentially in 30 and 36 mm nets depending on weight class.—R.A.I.
- PATON, P. W. C., C. J. RALPH, & J. SEAY. 1991. A mist net design for capturing Marbled Murrelets. N. Am. Bird Bander 16: 123-126. (Utah Coop. Fish Wildl. Res. Unit, Utah State Univ., Logan, UT 84322 USA.)—Elevated rigging system for capturing *Brachyramphus marmoratus* combines features of two previous systems.—R.B.C.
- PATTERSON, K., C. A. HASKELL, & J. H. SCHULZ. 1993. A modified restraining device for Mourning Doves. J. Field Ornithol. 64: 413-416. (Fish & Wildl. Res. Ctr., 1110 S. College Ave., Columbia, MO 65201 USA.)—*Zenaida macroura*.
- PEACH, W. J., S. T. BUCKLAND, & S. R. BAILLIE. 1990. Estimating survival rates using mark-recapture data from multiple ringing sites. Ring 13: 87-102. (B.T.O., Beech Grove, Tring, Hertfordshire HP23 5NR, UK.)
- PETERSON, M. R. 1992. Intraspecific variation in egg shape among individual Emperor Geese. J. Field Ornithol. 63: 344-354. (Dept. Wildl. & Fish. Biol., Univ. California, Davis, CA 95616 USA.)—Suggests that shape variables may be used to separate and identify individual *Chen canagica* within and among years; differences within a nest are viable criteria for identifying parasitic eggs.—R.A.I.
- POCHOP, P. A., & R. J. JOHNSON. 1993. Pentagon milk-carton nest box. J. Field Ornithol. 64: 239-243. (RJJ: Dept. For., Fish. & Wildl., Univ. Nebraska, Lincoln, NE 68583-0819 USA.)—*Passer domesticus*.
- POKORNÝ, P. 1990. A qualitative and quantitative study of ornithocenoses of four housing districts of Prague, Czechoslovakia. Acta Univ. Carolinae-Biol. 34: 241-261.—Bird density (46-200 pairs/km²) was estimated by means of mapping method. *Passer domesticus* was dominant (26-93%) in all areas.—K. W.
- POYSA, H., & P. NUMMI. 1992. Comparing two methods of data collection in waterfowl habitat use studies. Bird Study 39: 124-131. (Finnish Game &

- Fish. Res. Inst., Evo Game Res. St., SF-16970 Evo, Finland.)
- PRADEL, R., J. CLOBERT, & J. D. LEBRETON. 1990. Recent developments for the analysis of capture-recapture multiple data sets an example concerning two Blue Tit populations. *Ring* 13: 193-204. (Ctr. de'Ecol. Function. Evol., CNRS, BP 5051, 34033 Montpellier Cedex, France.)—Compares an insular and a continental population of *Parus caeruleus*.—J.P.
- RAPPOLE, J. H., W. J. MCSHEA, & J. VEGA-RIVERA. 1993. Evaluation of two survey methods in upland avian breeding communities. *J. Field Ornithol.* 64: 55-70. (Conserv. & Res. Ctr., Smithsonian Inst., Front Royal, VA 22630 USA.)—Conclude that song counts are inappropriate for determination of detailed information on population dynamics in the Appalachian Oak Forest community of northern Virginia. A combination of mist nets and song counts can determine presence/absence.—R.A.I.
- REED, J. M., & L. W. ORING. 1993. Banding is infrequently associated with foot loss in Spotted Sandpipers. *J. Field Ornithol.* 64: 145-148. (Dept. Range, Wildl., & For., Univ. Nevada, Reno, NV 89512 USA.)—7 of 267 *Actitis macularia*.—R.A.I.
- RINNE, J., H. LOKKI, & P. SAUROLA. 1990. Survival estimates of nestling recoveries: forbidden fruits of ringing? *Ring* 13: 225-270. (P. Saurola—Ringing Ctr., Zool. Mus., Univ. Helsinki, Pohj. Rautatiekatu 13, SF-00100 Helsinki, Finland.)—Age-specific survival rates of Tawny Owls, *Strix aluco*.—J.P.
- ROHNER, C., & F. I. DOYLE. 1992. Methods of locating Great Horned Owl nests in the boreal forest. *J. Raptor Res.* 26: 33-35. (Dept. Zool., Univ. British Columbia, Vancouver, BC V6T 2A9, Can.)—*Bubo virginianus*.
- ROMANOWSKI, J., ET AL. 1993. [Color marking American Crows (*Corvus brachyrhynchos*) for individual recognition.] *Notatki Ornitol.* 34: 157-161. (Inst. Ekol. PAN, 05 092 Łomianki, Poland.) (Polish, Engl. summ.)
- SENAR, J. C., & J. L. COPETE. 1992. [Variation in the number of tertials molted and its use as an age criterion for Siskins *Carduelis spinus*.] *Butll. GCA* 9: 7-9. (Mus. Zool., Apdo. 593, 08080 Barcelona, Spain.)—80% of yearling with unmolted tertials and 1% with all three molted. Tertian 1 preferably used for ageing. (Spanish, Engl. summ.)—J.L.C.
- SERVAT, G. 1993. A new method of preparation to identify arthropods from stomach contents of birds. *J. Field Ornithol.* 64: 49-54. (Dept. Entomol., MRC 169, Smithsonian Inst., Washington, DC 20560 USA.)—Technique involves sorting fragments, mounting with gum tragacanth onto numbered grids of micropaleontological slides, and comparing with museum reference collections.—R.A.I.
- SHINODA, K. 1991. [Bird-banding research at Koshinokata, Toyama.] *Bull. JBBA* 6: 61-63. (Hachiyamasou, 1721 5ku, Gofuku, Toyama-Shi, Toyama 930, Japan.) (Japanese.)
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- WEINBERG, H. J., & R. R. ROTH. 1994. **Rectrix shape as an indicator of age in the Wood Thrush.** *J. Field Ornithol.* 65: 115-121. (Dept. Entomol. Appl. Ecol., Univ. Delaware, Newark, DE 19717-1303 USA.)—Show novices can classify single *Hylocichla mustelina* rectrices with 70-80% accuracy.—R.A.I.
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- WILSON, S. F. 1993. **Use of Wood Duck decoys in a study of brood parasitism.** *J. Field Ornithol.* 64: 337-340. (P.O. Box 640, Creston, BC V0B 1G0, Can.)—Finds parasitic eggs only in simulated nests with *Aix sponsa* decoys floating nearby.—R.A.I.
- YUNICK, R. P. 1991. **Another assessment of gape color in the Purple Finch.** *N. Am. Bird Bander* 16: 109-113. (1527 Myron St., Schenectady, NY 12309 USA.)—Colors brighter than yellow-orange are rare in female *Carpodacus purpureus*; gape color should allow identification of nearly 20% of the HY-M birds.—R.B.C.
- YUNICK, R. P. 1992. **A method for age determination of Blue Jays in northeastern United States and southeastern Canada.** *N. Am. Bird Bander* 17: 10-15. (1527 Myron St., Schenectady, NY 12309 USA.)—Wing chord, tail length, and white tipping on rectrix and secondaries of *Cyanocitta cristata* usually differ between sex/age classes but overlap is extensive, so characters not usable for aging or sexing, except amount of white tipping on first two secondaries, which allowed ageing of ca. 60-65% of HY/SY birds and 24% of AHY/ASY birds.—R.B.C.

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