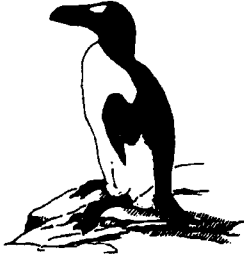


SUPPLEMENT TO *THE AUK*
Vol. 113, No. 3, April 1996¹

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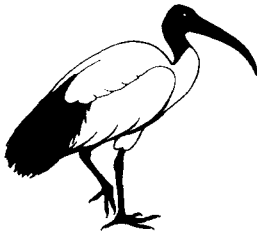
SUPPLEMENT TO *THE EMU*
Vol. 96, No. 2, June 1996²

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SUPPLEMENT TO *THE IBIS*
Vol. 138, No. 3, June 1996³

Edited by
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Published by the AMERICAN ORNITHOLOGISTS' UNION, the BRITISH ORNITHOLOGISTS' UNION, and the ROYAL AUSTRALASIAN ORNITHOLOGISTS UNION

RECENT ORNITHOLOGICAL LITERATURE

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¹ Citation: AMERICAN ORNITHOLOGISTS' UNION. 1995. Recent Ornithological Literature. *Auk* 112 (4, Suppl.): 1C-45C.

² Citation: ROYAL AUSTRALASIAN ORNITHOLOGISTS UNION. 1996. Recent Ornithological Literature. *Emu* 96 (2, Suppl.): 1C-45C.

³ Citation: BRITISH ORNITHOLOGISTS' UNION. 1996. Recent Ornithological Literature. *Ibis* 138 (3, Suppl.): 1C-45C.

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NEW JOURNALS

BAHAMAS JOURNAL OF SCIENCE. ISSN 1022-2189. Three issues per academic year. (Media Enterprises Ltd., P.O. Box N-9240, Nassau, Bahamas.) Editor: Neil E. Sealey, % same address. Annual subscription U.S. \$29. Vol. 1, 1993/4, 126 pp.—Goal is “to promote awareness of the nature of the Bahamian environment from a scientific point of view.” Vol. 1 contains 18 papers, half biological, many of them reprints, one original ornithology paper. Future vols. should attract more original material. Journal’s primary aim is to make the results of scientific research more available to the nation where the research was conducted.—P.W.S.

BEHAVIOR AND VOCALIZATIONS

AMOTZ, Z. 1995. **Altruism as a handicap—the limitations of kin selection and reciprocity.** *J. Avian Biol.* 26: 1–3. (Inst. Nat. Cons. Res., Tel-Aviv Univ., Tel-Aviv 69978, Israel.)—A point of view.—R.T.B.

BELL, B. D. 1994. **House Sparrows collecting feathers from live feral pigeons.** *Notornis* 41: 144–145. (Sch. Biol. Sci., Victoria Univ. Wellington, Wellington,

New Zealand.)—*Passer domesticus* collecting feathers directly from an incubating *Columba livia*.—E.O.M.

BOHM, C., & A. LANDMANN. 1995. **Nest-site selection and nest construction in the Water Pipit (*Anthus spinoletta*).** *J. Ornithol.* 136: 1–16. (Alpenzoo, Weiherburggasse 37, A-6020 Innsbruck, Austria.) (German, Engl. summ.)

BOWLER, J., & J. TAYLOR. 1989. **Aggressive behaviour displayed by the Grey-necked Friarbird.** *Kukila* 4: 148. (The Orchard, South Road, Englefield Green, Egham, Surrey, UK.)—*Philemon subcorniculatus*.

BROWN, S. D., & R. J. DOOLING. 1992. **Perception of conspecific faces by Budgerigars (*Melopsittacus undulatus*): I. Natural faces.** *J. Comp. Psychol.* 106(3): 203–216. (Dept. Psychol., Univ. Maryland, College Park 20742 USA.)

BROWN, S. D., & R. J. DOOLING. 1993. **Perception of conspecific faces by Budgerigars (*Melopsittacus undulatus*): II. Synthetic models.** *J. Comp. Psychol.* 107(1): 48–60.

BSHARY, R., & J. LAMPRECHT. 1994. **Reduction of aggression among domestic hens (*Gallus domesticus*) in the presence of a dominant third party.** *Behaviour* 128: 311–324. (Max-Planck-Inst. Verhaltensphysiol., D-82319 Seewiesen, Post Starnberg, Germany.)

- BUITRON, D., & G. L. NUECHTERLEIN. 1993. **Parent-young vocal communication in Eared Grebes.** Behaviour 127: 1–20. (Zool. Dept., N. Dakota State Univ., Fargo, ND 58105 USA.)—Cross-fostered chicks of Eared Grebe (*Podiceps nigricollis*) and Western Grebe (*Aechmophorus occidentalis*) respond mainly to food calls of foster species, but to alarm calls of their own species.—T.B.J.
- CATCHPOLE, C. K., & A. ROWELL. 1993. **Song sharing and local dialects in a population of the European Wren *Troglodytes troglodytes*.** Behaviour 125: 67–78. (Dept. Biol., R. Holloway, Univ. London, Egham, Surrey TW20 OEX, UK.)—Most song types in the repertoire of birds on two sides of a lake only 200 m wide were found to be unique to one side.—T.B.J.
- CHAIKEN, M., J. BOHNER, & P. MARLER. 1994. **Repertoire turnover and the timing of song acquisition in European Starlings.** Behaviour 128: 25–39. (Inst. Anim. Behav., Behav. Neural Sci. Program, Rutgers Univ., 101 Warren Str., Newark, NJ 07102 USA.)—Experiments with caged birds showing that *Sturnus vulgaris* continue to learn new song motifs up to the age of at least 18 months.—T.B.J.
- COATE, K. H. 1994. **Another instance of Thick-billed Grasswrens hiding in burrows.** Australian Bird Watcher 15: 278–279. (21 Acanthus Rd., Willetton, WA 6155, Australia.)—*Amytornis textilis* seek refuge in rabbit burrow.—I.D.E.
- CONOVER, M. R. 1994. **Stimuli eliciting distress calls in adult passerines and response of predators and birds to their broadcast.** Behaviour 131: 19–37. (Dept. Fish. Wildl., Utah State Univ., Logan, UT 84322-5210 USA.)—Experiments with 11 different species.—T.B.J.
- CYXN, J. 1993. **Conspecific song perception in Zebra Finches (*Taeniopygia guttata*).** J. Comp. Psychol. 107(4): 395–402. (Rockefeller Univ. Field Ctr. Ecol. Ethol., Willbrook, NY 12545 USA.)—There are 3 levels of song perception: a bird's own song, other males' songs as processed by males, and songs as processed by females.—G.S.
- CZECHURA, G. V., & R. E. CZECHURA. 1994. **Observations of an aerial display of Red Goshawks.** Austral. Bird Watcher 15: 325–327. (Queensland Mus., P.O. Box 3300, S. Brisbane, Qld. 4101, Australia.)—Mutual soaring of *Erythrotriorchis radiatus* with male approaching from alternate sides.—I.D.E.
- DE VOS, G. J., & H. S. VAN KAMPEN. 1993. **The effects of primary imprinting on the subsequent development of secondary filial attachments in the chick.** Behaviour 125: 245–263. (Zool. Lab., Univ. Groningen, P.O. Box 14, 9750 AA Haren, Netherlands.)—Experiments with junglefowl (*Gallus gallus spadiceus*).—T.B.J.
- DOOLING, R. J., ET AL. 1992. **Auditory perception of conspecific and heterospecific vocalizations in birds: evidence for special processes.** J. Comp. Psychol. 106(1): 20–28. (Dept. Psychol., Univ. Maryland, College Park 20742 USA.)—*Melospittacus undulatus*, *Serinus canaria*, and *Poephila guttata* all showed an enhanced ability to discriminate among calls of their own species over the calls of others.—G.S.
- DOS ANJOS, L., & J. M. E. VIELLIARD. 1993. **Repertoire of the acoustic communication of the Azure Jay *Cyanocorax caeruleus* (Vieillot) (Aves, Corvidae).** Rev. Brasil. Zool. 10: 657–664. (Depto. Biol., Univ. Est. Londrina, C. P. 6001, 86051-970 Londrina, Paraná, Brasil.)—14 basic and several intermediate calls; discusses simplified repertoire in American jays.—Y.O.
- DOS SANTOS, A. S. R. 1994. **[The importance of vocalizations for identification of birds.]** Bol. CEO 10: 27–33. (Bol. CEO, C. P. 64532, 05497-970 São Paulo, SP, Brasil.)
- DU PLESSIS, M. A. 1993. **Helping behaviour in cooperatively-breeding Green Woodhoopoes: selected or unselected trait?** Behaviour 127: 49–65. (Percy FitzPatrick Inst. African Ornithol., Univ. Cape Town, Rondebosch 7700, S. Africa.)—Field experiments with *Phoeniculus purpureus* show that both auditory and visual stimuli play a role in eliciting feeding response from adults, that adults do not distinguish between kin and non-kin nestlings, and that helping has no effect on number of young fledged.—T.B.J.
- EENS, M., R. PINXTEN, & R. F. VERHEYEN. 1993. **Function of the song and song repertoire in the European Starling (*Sturnus vulgaris*): an aviary experiment.** Behaviour 125: 51–66. (Dept. Biol., Univ. Antwerp, U.I.A., Universiteitsplein 1, B-2610 Wilrijk, Belgium.)—Individually caged male birds sang more and with more variation when confronted with females than with males. Whistles and warbling did not seem to have separate intrasexual and intersexual functions.—T.B.J.
- FARABAUGH, S. M., A. LINZENBOLD, & R. J. DOOLING. 1994. **Vocal plasticity in Budgerigars (*Melospittacus undulatus*): evidence for social factors in the learning of contact calls.** J. Comp. Psychol. 108(1): 81–92. (Dept. Psychol., Univ. Maryland, College Park 20742 USA.)—Budgerigars can learn calls as adults; call type convergence is achieved through mutual vocal imitations of social companions.—G.S.
- FRITH, C., D. FRITH, & J. WIENEKE. 1994. **An exceptionally elaborate bower structure of the Great Bowerbird *Chlamydera nuchalis* (Ptilonorhynchidae).** Austral. Bird Watcher 15: 314–319. (P.O. Box 581, Malanda, Qld. 4885, Australia.)—Two additional walls half-encircling normal bower.—I.D.E.
- FRYDAY, S. L., & P. W. GREIG-SMITH. 1994. **The effects of social learning on the food choice of the House Sparrow (*Passer domesticus*).** Behaviour 128: 281–300. (Central Sci. Lab., Min. Agric., Fish. & Food, Tangley Place, Worplesdon, Guildford, Surrey GU3 3LQ, UK.)—Experiments with caged birds.—T.B.J.
- GIBB, J. A., & J. E. C. FLUX. 1994. **Rain-bathing by pigeons.** Notornis 41: 146–147. (3 Wairere Rd., Low-

- er Hutt, New Zealand.)—Observations of *Hemiphaga novaeseelandiae*.—E.O.M.
- HAMPTON, R. R. 1994. **Sensitivity to information specifying the line of gaze of humans in sparrows (*Passer domesticus*).** Behaviour 130: 41–51. (Dept. Psychol., Univ. Toronto, Toronto, ON M5S 1A1, Can.)—Reactions of captured House Sparrows to experimenter's face and various painted faces.—T.B.J.
- HEALEY, C. 1994. **Dispersal of newly hatched Orange-footed Scrubfowl *Megapodius reinwardt*.** Emu 94: 220–221. (Sch. Social Sci., North. Territories Univ., Darwin, NT 0800, Australia.)—Suggests sustained flights of tens of kilometers possible.—S.R.P.
- HEG, D., ET AL. 1993. **Why does the typically monogamous Oystercatcher (*Haematopus ostralegus*) engage in extra-pair copulations?** Behaviour 126: 247–289. (Zool. Lab., Univ. Groningen, Kerklaan 30, 9751 NN Haren, Netherlands.)—Extensive field study.—T.B.J.
- HOI-LEITNER, M., H. NECHTELBERGER, & J. DITTAMI. 1993. **The relationship between individual differences in male song frequency and paternal care in Blackcaps.** Behaviour 126: 1–12. (Inst. Zool., Univ. Wien, Althanstr. 14, A-1090 Vienna, Austria.)—High song rate in male *Sylvia atricapilla* is correlated with early arrival, low male parental care and high nesting success, which suggests that song rate advertises territorial quality.—T.B.J.
- HUNTER, J. 1994. **Urban antics—Musk Duck.** Landscape 9: 54. (Dept. Conserv. & Land Manage., 50 Hayman Rd., Como, WA 6152, Australia.)—Appearance and behavior of *Biziura lobata* in urban environment.—V.T.S.
- JURISEVIC, M. A., & K. J. SANDERSON. 1994. **Alarm vocalisation in Australian birds: convergent characteristics and phylogenetic differences.** Emu 94: 69–77. (Sch. Biol. Sci., Flinders Univ. S. Austral., G.P.O. Box 2100, Adelaide, SA 5001, Australia.)—Lower frequency alarm calls than Northern Hemisphere species.—S.R.P.
- JURISEVIC, M. A., & K. J. SANDERSON. 1994. **The vocal repertoires of six honeyeater (*Meliphagidae*) species from Adelaide, South Australia.** Emu 94: 141–148. (Sch. Biol. Sci., Flinders Univ. S. Austral., G.P.O. Box 2100, Adelaide, SA 5001, Australia.)
- KARPOV, F. F. 1994. **[Behaviour of Broad-billed Sandpipers *Limicola falcinellus* at stopover sites in south and southeast Kazakhstan during autumn migration.]** Russ. J. Ornithol. 3: 47–51. (Inst. Zool., Natl. Acad. Sci., Akademgorodok, Alma-Ata, 480032, Rep. Kazakhstan.) (Russian, Engl. summ.)
- KEAST, A. 1994. **Temporal vocalisation patterns in members of a eucalypt forest bird community: the effects of weather on song production.** Emu 94: 172–180. (Dept. Biol., Queen's Univ., Kingston, ON K7L 3N6, Can.)—In most of nine species, peak singing was in the hour centered on sunrise, and rain the major influence amongst weather conditions.—S.R.P.
- KENT, J. P. 1993. **The chick's preference for certain features of the maternal cluck vocalization in the domestic fowl (*Gallus gallus*).** Behaviour 125: 177–187. (Ballyrichard House, Arklow, Co. Wicklow, Ireland.)—Experiments with artificially altered vocalizations.—T.B.J.
- KIRKCONNELL, A., ET AL. 1989. **[Behavioral observations at two nests of *Xiphidiopicus percusces*.]** Poeyana 371: 1–18. (% Prot. Flora y Fauna, Acad. Cienc. Cuba, La Habana, Cuba.)—Items carried to nests of Cuban Green Woodpecker included insects (59%) and fruits (21%); females fed at higher rates than males. (Spanish, Engl. summ.)—R.B.
- LANTERMAN, W. 1993. **[Observations on the aggressive behaviours of captive Blue-fronted Amazon parrots *Amazona aestiva*.]** Bonn. Zool. Beitr. 44: 57–62. (Inst. für Papageienforschung, Drostenkampstr. 15, D-46147 Oberhauser, Germany.) (German, Engl. summ.)
- LAWN, M. R. 1994. **Late territorial behaviour of Willow Warblers *Phylloscopus trochilus*.** J. Avian Biol. 25: 303–307. (20 Croft Rd., Godalming, Surrey GU7 1BY, UK.)—9-year study of color-ringed birds in S. England.—R.T.B.
- LIMA, S. L. 1994. **Collective detection of predatory attack by birds in the absence of alarm signal.** J. Avian Biol. 25: 319–326. (Dept. Life Sci., Indiana State Univ., Terre Haute, IN 47809 USA.)—A mathematical exploration of flock "departure information" in relation to alarm calls.—R.T.B.
- LOESCHE, P., M. D. BEECHER, & P. K. STODDARD. 1992. **Perception of Cliff Swallow calls by birds (*Hirundo pyrrhonota* and *Sturnus vulgaris*) and humans (*Homo sapiens*).** J. Comp. Psychol. 106(3): 239–247. (Dept. Psychol., Univ. Washington, Seattle 98195 USA.)
- LOGAN, C. A. 1994. **Fluctuations in intra-pair calling across breeding phases in Northern Mockingbirds (*Mimus polyglottos*).** Behaviour 130: 123–141. (Dept. Psychol., Univ. N. Carolina Greensboro, Greensboro NC 27412-5001 USA.)—Field observations suggest that frequency of 'hew' calls reflect intra-pair aggression and that a drop in 'hew' exchange signals increased readiness to reneest.—T.B.J.
- MACIEJOK, J., B. SAUR, & H.-H. BERGMANN. 1995. **[Behaviour of Chaffinches (*Fringilla coelebs*) inside and outside their territories during the breeding period.]** J. Ornithol. 136: 37–45. (AG Öko-Ethol., FB Biol./Chemie, Univ. Osnabrück, D-49069 Osnabrück, Germany.) (German, Engl. summ.)
- MARGOLIASH, D., C. STAIKER, & S. A. INOUE. 1994. **The process of syllable acquisition in adult Indigo Buntings (*Passerina cyanea*).** Behaviour 131: 39–64. (Dept. Organismal Biol. Anat., Univ. Chicago, Chicago, IL 60637 USA.)—Experiments with captive birds.—T.B.J.
- MCCALLAN, I. A. W., & L. W. C. FILEWOOD. 1994. **Pos-**

- sible protective behaviour in a group of Red-browed Treecreepers. *Austral. Bird Watcher* 15: 327-328. (46 Yeramba St., Turrumurra, NSW 2074, Australia.)—Male *Climacteris erythrops* guarded female in tree hollow as response to predator.—I.D.E.
- MCDONALD, D. B., & W. K. POTTS. 1994. **Cooperative display and relatedness among males in a lek-mating bird.** *Science* 266: 1030-1032. (Dept. Zool., Univ. Florida, Box 118525, Gainesville, FL 32611-8525 USA.)—Alpha males of *Chiroxiphia linearis*, responsible for all mating, and beta males, assisting in displays, are not related. The benefits to the beta male are usually long-delayed, and include rare copulations, ascension to alpha status and female lek fidelity.—G.S.
- MCNABB, E. G. 1994. **Predator calls and prey response.** *Vic. Nat.* 111: 190-195. (P.O. Box 408, Emerald, Vic. 3782, Australia.)—Yellow-bellied gliders approached and called at taped recordings of Powerful Owl, *Ninox strenua* and Sooty Owl, *Tyto tenuirostris*.—I.D.E.
- MEL'NIKOV, U. I. 1994. [Distraction displays in Asian Dowitcher *Limnodromus semipalmatus* during the breeding period.] *Russ. J. Ornithol.* 3: 31-46. (Fac. Game Manage., Irkutsk Agric. Inst., Irkutsk, 664023, Russia.) (Russian, Engl. summ.)
- MILLS, J. A. 1994. **Extra-pair copulations in the Red-billed Gull: females with high-quality, attentive males resist.** *Behaviour* 128: 41-64. (Sci. & Res. Div., Dept. Conserv., P.O. Box 10420, Wellington, New Zealand.)—*Larus novaezelandiae scopulinus*.
- ONIKI, Y., & A. Z. ANTUNES. 1993. [Behavior of birds in association with other animals.] *Atual. Ornitol.* 56: 3. (Depto. Zool., UNESP, C. P. 199, 13.506-960 Rio Claro, SP, Brasil.)—*Machetornis rixosus* and *Molothrus bonariensis*. (Portuguese.)
- QUESNEL, V. C. 1993. **Patterns in the calling activity of the Pauraque Nightjar *Nyctidromus albicollis*.** *J. Trinidad & Tobago Field Nat. Club* 1993: 42-47. (P.O. Box 47, Port of Spain, Trinidad.)—Relates calling frequency to lunar cycle, breeding activity, and weather.—R.P.ff.
- RÄTTI, O., & P. SUKAMÄKI. 1993. **Female attraction behaviour of radio tagged polyterritorial Pied Flycatcher males.** *Behaviour* 127: 279-288. (Dept. Biol., Univ. Jyväskylä, Yliopistonkatu 9, SF-40100 Jyväskylä, Finland.)—Once a female *Ficedula hypoleuca* has arrived in the second territory of a polyterritorial male, the male spends much more of his time in the second territory, making it difficult for the prospecting female to assess his status correctly.—T.B.J.
- REID, J. 1994. **Galahs play in a willy-willy in the Northern Territory.** *Emu* 94: 221-222. (CSIRO Div. Wildl. Ecol., Ctr. Arid Zone Res., P.O. Box 2111, Alice Springs, NT 0871, Australia.)—Another observation of this behavior in *Eolophus roseicapilla* suggests it may be widespread.—S.R.P.
- ROBERTS, G., & P. R. EVANS. 1993. **Responses of foraging Sanderlings to human approaches.** *Behaviour* 126: 29-43. (Computing Service, Univ. Durham, Durham DH1 3LE, UK.)—Simple field experiments with *Calidris alba*.—T.B.J.
- SANDBRINK, J., & D. ROBINSON. 1994. **An observation of communal breeding by Southern Whitefaces.** *Corella* 18: 88. (7 Dempsey Ct., Epping, Vic. 3076, Australia.)—First record for *Aphelocephala leucopsis*.—I.D.E.
- SCHOTTLE, B., & F. HENNING. 1993. [The calls of *Parus fasciiventer* in central Africa.] *Bonn. Zool. Beitr.* 44: 63-68. (Inst. für Zool., Saarstr. 21, D-55122 Mainz, Germany.) (German, Engl. summ.)
- SHELDON, B. C. 1994. **Timing and use of paternity guards by male Chaffinches.** *Behaviour* 129: 79-97. (Dept. Zool., Uppsala Univ., Villavägen 9, S-75236, Uppsala, Sweden.)—Field study of relative extent and timing of frequent copulation and close guarding in *Fringilla coelebs*.—T.B.J.
- SHKARAN, V. I. 1994. [Unusual nest construction in the Blackbird.] *Berkut* 3: 29. (L.D.Y. Biogeographical Station, Volinska Region, 264648, Ukraine.)—*Turdus merula*. (Ukrainian, Engl. summ.)
- SITTE, K., & D. JONES. 1994. **Captive studies reveal extensive vocal range in the Sacred Kingfisher.** *Austral. Bird Watcher* 15: 298-305. (Fac. Environ. Sci., Griffith Univ., Nathan, Qld. 4111, Australia.)—Sonagrams and context of eight previously unrecorded calls of *Halcyon sancta*.—I.D.E.
- SLAGSVOLD, T., S. DALE, & G.-P. SÆTRE. 1994. **Dawn singing in the Great Tit (*Parus major*): mate attraction, mate guarding, or territorial defence?** *Behaviour* 131: 115-138. (Dept. Biol., Univ. Oslo, P.O. Box 1050, Blindern, N-0316 Oslo, Norway.)—Field experiments involving female removal and playback. Song may have multiple purposes.—T.B.J.
- SURMAN, C. A. 1994. **Alarm behaviour of Lesser Noddies.** *Corella* 18: 43. (Sch. Biol. Environ. Sci., Murdoch Univ., Murdoch, WA 6150, Australia.)—Greater reaction of *Anous tenuirostris melanops* handled in previous year.—I.D.E.
- UEDA, K., H. UCHIDA, & T. MATSUDA. 1993. **Egg-dumping by the Moorhen, *Gallinula chloropus*, in Japan.** *Japan J. Ornithol.* 42: 21-25. (Lab. Biol., Rikkyo Univ., Nishi-ikebukuro, Tokyo 171, Japan.)
- VAN KAMPEN, H. S. 1994. **Courtship food-calling in Burmese Red Junglefowl: I. The causation of female approach.** *Behaviour* 131: 261-275. (Dept. Psychol., Univ. Toronto, Toronto ON M5S 1A1, Can.)—Experiments with captive *Gallus gallus spadiceus*.—T.B.J.
- VEERMAN, P. A. 1994. **Batesian acoustic mimicry by the Regent Honeyeater *Xanthomyza phrygia*.** *Austral. Bird Watcher* 15: 250-259. (24 Castley Circuit, Kambah, ACT 2902, Australia.)—The context appears to be defence of a food source or reduction of aggression.—I.D.E.
- VESTERGAARD, K. S., & L. LISBORG. 1993. **A model of feather pecking development which relates to**

- dustbathing in the fowl.** Behaviour 126: 291–308. (R. Vet. Agric. Univ., Dept. Anim. Sci. Anim. Health, 13 Bülowsvej, DK-1870 Frederiksberg C (Copenhagen), Denmark.)—*Callus gallus domesticus*.
- VOLMAN, S. F. 1993. **Development of neural selectivity for birdsong during vocal learning.** J. Neurosci. 13(11): 4737–4747. (Dept. Zool., Div. Biol., Caltech, Pasadena, CA 91125 USA.)—During song learning the response properties of HVC neurons appear to be dynamically modified, perhaps by auditory feedback from the bird's own vocalizations. The emergence of song selectivity during plastic song may be significant both for song learning and for song perception in adult birds.—G.S.
- VOS, D. R. 1994. **Sex recognition in Zebra Finch males results from early experience.** Behaviour 128: 1–14. (Zool. Lab., Univ. Groningen, P.O. Box 14, 9750 AA Haren, Netherlands.)—Experiments with caged *Taeniopygia guttata*.—T.B.J.
- VOS, D. R., J. PRIJS, & C. TEN CATE. 1993. **Sexual imprinting in Zebra Finch males: a differential effect of successive and simultaneous experience with two colour morphs.** Behaviour 126: 137–154. (Zool. Lab., Univ. Groningen, P.O. Box 14, 9750 AA Haren, Netherlands.)—Experiments with captive *Taeniopygia guttata*.—T.B.J.
- WEISMAN, R., ET AL. 1994. **Sexual preferences of female Zebra Finches: imprinting on beak colour.** Behaviour 128: 15–24. (Dept. Psychol., Queen's Univ., Kingston ON, K7L 3N6, Can.)—Caged *Taeniopygia guttata* reared by parents with painted beaks.—T.B.J.
- WILEY, R. H., ET AL. 1993. **Singing in relation to social dominance and testosterone in White-throated Sparrows.** Behaviour 127: 175–190. (Dept. Biol., Univ. N. Carolina, Chapel Hill, NC 27599-3280 USA.)—Field study of wintering *Zonotrichia albicollis* and experiments with captive birds.—T.B.J.
- WILEY, R. H., R. GODARD, & A. D. THOMPSON, JR. 1994. **Use of two singing modes by Hooded Warblers as adaptations for signalling.** Behaviour 129: 243–278. (Dept. Biol., Univ. N. Carolina, Chapel Hill, NC 27599-3280 USA.)—The frequency of repeat mode (one pattern sung repeatedly) and mixed mode (2–4 patterns sung in irregular sequence) throughout the nesting cycle of *Wilsonia citrina* is documented.—T.B.J.
- ZILLETI, B., E. VENTURATO, & L. BEANI. 1993. **[Antipredator behaviour in the Red-legged Partridge *Alectoris rufa*: influence of rearing method.]** Suppl. Ric. Biol. Selvaggina 21: 661–667. (Dept. Anim. Biol. Univ. Via Romana 17, 50125 Firenze, Italy.) (Italian, Engl. summ.)
- CONSERVATION**
- ALAGAR RAJAN, S. 1994. **Impact of forest degradation on the avifauna.** In Daniel, J. C. & Y. N. Rao (Investigators) Ecology of Point Calimere Wildlife and Bird Sanctuary—An endangered ecosystem. Final Report 1988–1991 to U.S. Fish & Wildlife Service, Bombay Natural History Society, Bombay, India.—Bird species were used as indicators to assess the healthy state of the forest ecosystem. 56 species of forest birds were recorded from 4 sites with varying degrees of degradation. Species composition, diversity, evenness, and density of birds varied considerably depending on the rate of anthropogenic disturbances. A total of 45 species of plants were recorded to be utilized by these birds for various activities. Marked differences were noticed on the use of vertical foliage strata, canopy, and nesting habitat.—S.A.R.
- ALLPORT, G. A., & J. R. FANSHAW. 1994. **Is the Thick-billed Cuckoo *Pachycoccyx audeberti* a forest dependent species in West Africa?** Malimbus 16: 52–53. (BirdLife Intl., Wellbrook Crt., Girton Rd., Cambridge CB3 0NA, UK.)—Yes, for breeding.—P.W.P.B.
- ANON. 1993. **An urgent appeal from Israel.** Austral. Rapt. Assoc. News 14: 19. (Box 33, Huonville, Tas. 7109, Australia.)—The Society for the Protection of Nature in Israel protests against construction of Voice of America (VOA) radio station in Negev Desert.—V.T.S.
- BALTZER, M. C. 1990. **A report on the wetland avifauna of South Sulawesi.** Kukila 5: 27–55. (c/o Asian Wetland Bureau, Inst. Advanced Stud., Univ. Malaya, Lembah Pantai, 59100 Kuala Lumpur, Malaysia.)—Results of surveys of South Sulawesi wetlands. Tempe lake system found to be a wetland of international importance.—I.A.W.M.
- CHI, W., ET AL. 1994. **Observations on the impact of trade regulations on bird populations in Taiwan.** Traffic Bull. 15(1): 41–44. (No address given.)—Trade of protected species in the study area of Taichung has declined after the Taiwanese government enacted the Wildlife Conservation Law.—G.S.
- CHRISTIANSEN, M. B., & E. PITTER. 1992–1993. **Aspects of behaviour of juvenile Red-fronted Macaws, *Ara rubrogenys*, in the wild.** Gerfaut 82–83: 63–69. (Zool. Mus., Univ. Copenhagen, Universitetsparken 15, DK-2100 Copenhagen, Denmark.)
- CHRISTIANSEN, M. B., & E. PITTER. 1992–1993. **Aspects of breeding behaviour of Red-fronted Macaws, *Ara rubrogenys*, in the wild.** Gerfaut 82–83: 51–61. (Zool. Mus., Univ. Copenhagen, Universitetsparken 15, DK-2100 Copenhagen, Denmark.)
- DANKO, Š. 1994. **[Report on the activity of the Group for Research and Protection of Birds of Prey and Owls in Czechoslovakia in 1992.]** Buteo 6: 121–151. (Zemplínske Mus., 070 01 Michalovce, Slovak Republic.)—Population dynamics, faunistics, ringing recoveries, and conservation. (Slovak, Engl. summ.)
- DANKO, Š. 1994. **[Report on the activity of the Group for Research and Protection of Birds of Prey and Owls in Czechoslovakia in 1991.]** Buteo 6: 90–120. (Zemplínske Mus., 070 01 Michalovce, Slovak Re-

- public.)—Population dynamics, faunistics, ringing recoveries, and conservation. (Slovak, Engl. summ.)
- DOLATA, P. T. 1993. [The **Przygodzickie Ponds—the menace for their habitats and conservation recommendation.**] *Przegl. Przyr.*, 4(3): 181–192. (ul. Wroclawska 60 A/7, 63-400 Ostrów Wielkopolski, Poland.)—The large fish-pond complex (700 ha) had 70 pr. *Podiceps griseigena*, 80 pr. *P. nigricollis*; 24 pr. *Circus aeruginosus*; 80 pr. *Chlidonias niger*; 28 pr. *Remiz pendulinus*. (Polish, Engl. summ.)—J.P.
- HOLMES, D. A. 1989. **Status report on Indonesian galliformes.** *Kukila* 4: 133–143. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—34 species examined; *Eulipoa wallacei* and *Megapodius bernsteinii* considered endangered; *Aepyodius bruijnii*, *Macrocephalon maleo*, *Arborophila charltonii*, *Lophura erythrophthalma* and *Polyplectron schleiermacheri* considered vulnerable. However the status of many other species was considered rare or indeterminable. Major threats were identified as hunting, egg-collecting (primarily for food), and loss of habitat.—I.A.W.M.
- HOLMES, D. A. 1991. **Note on the status of the White-shouldered Ibis in Kalimantan.** *Kukila* 5: 145–148. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—Review of records of *Pseudibis davisoni* from the isolated population of Kalimantan.—I.A.W.M.
- HURRELL, P. 1989. **Schneider's Pitta rediscovered in Sumatra.** *Kukila* 4: 53–56. (51 Manor Close, Kingsbury, London NW9, UK.)—*Pitta schneideri* rediscovered on Mount Kerinci in the Barisan Range. It is suggested that it may be threatened by loss of habitat through clearing at elevations below 1,400 m.—I.A.W.M.
- JERMACEK, D. 1993. [Nature values of the Lłanka river valley near Tworzym (West Poland).] *Przegl. Przyr.*, 4/2/: 15–20. (Muzeum Regionalne, Plac Obrońców Pokoju, 66-200 Swiebodzin, Poland.)—Breeding of *Grus grus*, *Columba oenas*, *Motacilla cinerea*, *Rallus aquaticus*. (Polish, Engl. summ.)—J.P.
- KENTISH, B. 1994. **The effect of revegetation on Silver Gull and Sacred Ibis populations at Winter Swamp, Ballarat.** *Corella* 18: 71–76. (Sch. Biol. Chem. Sci., Univ. Ballarat, P.O. Box 663, Ballarat, Vic. 3353, Australia.)—Closed canopy trees reduced nesting density of *Larus novaehollandiae* and increased that of *Threskiornis [aethiopica] molucca*.—I.D.E.
- LAMBERT, F. R., & J. R. HOWES. 1989. **A recent sighting of Salvadori's Pheasant.** *Kukila* 4: 56–58. (15 Bramble Rise, Brighton BN1 5GE, UK.)—*Lophura inornata* seen on Mount Kerinci in the Barisan Range, Sumatra. It is suggested that its preferred habitat may be threatened through clearing at low elevations.—I.A.W.M.
- LEACH, G. J. 1994. **Effects of dam size on waterbirds at farm dams in south-east Queensland.** *Corella* 18: 77–82. (P.O. Box 568, Kenmore, Qld. 4069, Australia.)—Significant correlation between numbers of species or individuals and dam surface area.—I.D.E.
- LEE, D. S., & N. VINA. 1993. **A re-evaluation of the status of the endangered Black-capped Petrel, *Pterodroma hasitata*, in Cuba.** *Ornitol. Neotrop.* 4: 99–101. (N. Carolina State Mus. Nat. Sci., P.O. Box 27647, Raleigh, NC 27611 USA.)—No confirmed nesting records for Cuba.—R.T.C.
- LEMBERK, V. 1993. [Influence of antropic intervention to ornithocenose around Pardubice in 1976–1988.] *Panurus* 5: 3–23. (Přerovská 831, 530 06, Pardubice, Czech Republic.)—Total density, number of species, diversity, equitability, and customer satisfaction index decreased after highway building on a locality. (Czech, Engl. summ.)—P.V.
- LIU NAIFA. 1993. [Studies of species diversity of gallinaceans in Gansu.] *Zool. Res.* 14(3): 233–239. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.)—An analysis of the species diversity of gallinaceans in the Gansu region, in relation to geographical, altitudinal, meteorological, and vegetation variables, to test theories of the mechanisms of diversity control. (Chinese, Engl. summ.)—J.L.M.
- MARTENS, U. 1994. [Demands of legislation on the ornithological assessments of landscapes.] *Acta Ornithorecologica* 3: 97–109. (HOLOS, Valentin-Becker-Str. 1 1/2, 97072 Würzburg, Germany.) Assessment of avifauna does not serve as a basis for protection under German laws. (German, Engl. summ.)—T.P.W.
- MEENKEN, D., T. FECHNEY, & J. INNES. 1994. **Population size and breeding success of North Island Kokako in the Waipapa Ecological Area, Pureora Forest Park.** *Notornis* 41: 109–115. (Jl. Manaaki Whenua-Landcare Res. NZ Ltd., Private Bag 3127, Hamilton, New Zealand.)—The population of *Callaeus cinerea* has declined by up to 60% from 1981 to this survey in 1991 and now has a density of about 0.04 Kokako ha⁻¹. In 1991, seven chicks fledged from the 17 confirmed pairs on 34 territories.—E.O.M.
- MORGAN, A. 1993. **Effects of habitat manipulation on the waterbird populations of Hellshire [Jamaica].** *Gosse Bird Club Broadsheet* 60: 16–17. (Dept. Zool., Univ. West Indies, Mona, Kingston 7, Jamaica, W.I.)
- NOWAK, E. 1995. [Record of the Slender-billed Curlew (*Numenius tenuirostris*) from Algeria.] *J. Ornithol.* 136: 76. (Bundesamt f. Natursch., Konstantinstr. 110, D-53177 Bonn, Germany.) (German, Engl. summ.)
- OLEŚ, T. 1993. [Observations concerning the vanishing birds in the protective belt of the Pieniny National Park.] *Chrońmy Przyr. Ojczystą* 49: 62. (Polish.)
- OREN, D. C. 1992. [Nature conservation in the Brazilian Amazon: priorities based on birds.] *Bol. Mus. Para. Emilio Goeldi, Zool.* 8: 259–268. (Depto. Zool., Mus. Para. Emilio Goeldi, C. P. 399, 66.040

- Belém, PA, Brasil.)—Geographical distribution of rare birds indicates 12 important areas for preservation. (Portuguese, Engl. summ.)—Y.O.
- PACHECO, S., ET AL. 1994. [Effect of management of "cerrado" on the populations of some Tinamidae at Três Marias, state of Minas Gerais.] Rev. Brasil. Biol. 54: 435–441. (Depto. Biol. Geral., Univ. Fed. Viçosa, MG, Brasil.)—*Rhynchotus rufescens*, *Nothura maculosa*, and *Crypturellus parvirostris*; smaller species recolonized burned area rapidly, areas planted with *Eucalyptus* more slowly. (Portuguese, Engl. summ.)—Y.O.
- PETERSEN, S. 1991. A record of White-shouldered Ibis in East Kalimantan. Kukila 5: 144–145. (Bram-slykke vej 40, 1th, 2500 Valby, Denmark.)—*Pseudibis davisoni*, a threatened species, recorded during survey on the River Mahakam.—I.A.W.M.
- PRAMANO, A. H. 1991. Maleo on Buton. Kukila 5: 150. (Jl. Cipayung 1/7, Jakarta 12180, Indonesia.)—Strong evidence that the threatened *Macrocephalon maleo* breeds on Buton, S.E. Sulawesi.—I.A.W.M.
- SCHUCKARD, R. 1994. New Zealand Shag *Leucocarbo carunculatus* on Duffers Reef, Marlborough Sounds. Notornis 41: 93–108. (Te Towaka, R.D.3, Rai Valley, New Zealand.)—The King Shag is a New Zealand endemic with a total population of 524 individuals. Foraging trips from the colony are described for both the breeding and non-breeding season.—E.O.M.
- SILVIUS, M. J., & W. J. M. VERHEUGT. 1989. The status of storks, ibises and spoonbills in Indonesia. Kukila 4: 119–132. (Asian Wetland Bureau (Indonesia), P.O. Box 254/Boo, Bogor, Indonesia.)—Eleven species discussed, of these *Ciconia stormi*, *Pseudibis davisoni* and *Platalea regia* were identified as endangered within Indonesia, while several others were considered vulnerable or rare.—I.A.W.M.
- SMITH, L. H. 1994. A critical analysis of the factors responsible for the decline of the Superb Lyrebird *Menura novaehollandiae* in Sherbrooke Forest, Victoria. Austral. Bird Watcher 15: 238–249. (36 Duke St., Kew, Vic. 3101, Australia.)—Advocates clearance of exotic plants, foxes, and undergrowth.—I.D.E.
- THORSTROM, R., ET AL. 1995. Repeated sightings and first capture of a live Madagascar Serpent-eagle *Eutriorchis astur*. Bull. Brit. Ornithol. Cl. 115: 40–45. (5666 West Flying Hawk Lane, Boise, ID 83709 USA.)
- VELASQUEZ S., M. P. 1995. [Changes in the avifauna of a neighborhood in Medellín.] Bol. SAO 5(10): 26–27. (% SAO, A. A. 60010, Medellín, Colombia.)—Most species increased from 1985–1994, possibly due to a decline in fumigation in the area. (Spanish.)—R.T.C.
- VUILLEUMIER, F. 1994. Status of the Ruddy-headed Goose *Chloephaga rubidiceps* (Aves, Anatidae): a species in serious danger of extinction in Fuego-Patagonia. Rev. Chil. Hist. Nat. 67: 341–349. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Population numbers have undergone a dramatic decline in the past 4 decades; discusses possible conservation measures.—R.T.C.
- YU YUQUN, LIU WULIN, & SANG JIE. 1993. [A preliminary study on the overwintering ecology of Black-necked Crane (*Grus nigricollis*) in the upper Lhasa river] Zool. Res. 14(3): 251. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.) (Chinese.)
- ZHAO ZHENGJIE, ET AL. 1993. [Breeding population density of Chinese Merganser in Changbai mountain.] Zool. Res. 14(3): 221–225. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.)—Documents the population decline of *Mergus squamatus*, a Red Data Book species, between 1962 to 1991 in the Changbai mountains and its causes. (Chinese, Engl. summ.)—J.L.M.
- ZHILA, S. M. 1994. [Causes of decreasing numbers and conservation of the Black Stork in the north of the Zhitomir Region.] Berkut 3: 52–53. (Police, Salezivka, Zhitomir Region, 260025, Ukraine.)—*Ciconia nigra*. (Ukrainian, Engl. summ.)

A Special Publication

- MEYBURG, B.-U., & R. D. CHANCELLOR (ED.). 1994. Raptor conservation today. Proceedings of the 4th World Conference on Birds of Prey and Owls. World Working Group on Birds of Prey and Owls. 799 pp. (Available from World Working Group on Birds of Prey and Owls, 15b Bolton Gardens, London SW5 0AL, UK.)—Contains 101 papers (listed below) from a conference held in Berlin, Germany, 10–17 May 1992.—A.R.J.
- ABULADZE, A. Birds of prey in Georgia in the 20th century. Pp. 23–28. (Inst. of Zool., 31 Chavcharadse pr. Tbilisi, Georgia 380030.)
- BAGYURA, J., L. HARASZTHY, & T. SZITTA. Methods and results of Saker Falcon *Falco cherrug* management and conservation in Hungary. Pp. 391–395. (Hungarian Ornithol. & Nat. Conserv. Soc., Költő u. 21, 1121 Budapest, Hungary.)
- BAGYURA, J., L. HARASZTHY, & T. SZITTA. Feeding biology of the Saker Falcon *Falco cherrug* in Hungary. Pp. 397–401. (Hungarian Ornithol. & Nat. Conserv. Soc., Költő u. 21, 1121 Budapest, Hungary.)
- BAKER-GABB, D. J. Threatened raptors of Australia's tropical forests. Pp. 241–244. (Wildlife Branch, Dept. Conserv. Natural Res., 123 Brown St., Heidelberg, Vic. 3084, Australia.)
- BASIL, G., P. CARDINALE-PIZANI, & R. W. RISEBROUGH. Organochlorines in Venezuelan raptor eggs. Pp. 693–696. (Dept. Wildl. Ecol., 1630 Linden Dr., Univ. Wisconsin, Madison, WI 53706 USA.)
- BERKELMAN, J. The ecology of the Madagascar

- Buzzard *Buteo brachypterus*.** Pp. 255–256. (Biol. Dept., Boise State Univ., Boise, ID 83725 USA.)
- BEST, D. A., ET AL. **Reproductive impairment of Bald Eagles *Haliaeetus leucocephalus* along the Great Lakes shorelines of Michigan and Ohio.** Pp. 697–702. (USF&WS, East Lansing Field Office, 1405 S. Harrison Rd., East Lansing, MI 48823 USA.)
- BÖGEL, R. **Measuring locations and flight altitudes of Griffon Vultures *Gyps fulvus* by an automatic telemetry system.** Pp. 325–333. (Berchtesgaden Natl. Pk., Doktorberg 6, W-8240 Berchtesgaden, Germany.)
- BOSAK, A. **A honeycomb repeater radiotelemetry system and migration dataloggers for raptor research.** Pp. 335–336. (P.O. Box 12, Kiev 254123, Ukraine.)
- BOWERMAN, W. W., ET AL. **The influence of environmental contaminants on Bald Eagle *Haliaeetus leucocephalus* populations in the Laurentian Great Lakes, North America.** Pp. 703–707. (Dept. Fish. Wildl., Pesticide Res. Ctr. Inst. Env. Toxicol., Michigan State Univ., East Lansing, MI 48824 USA.)
- BURNHAM, W. A., D. F. WHITACRE, & P. JENNY. **The Maya Project: use of raptors as tools for conservation and ecological monitoring of biological diversity.** Pp. 257–264. (Peregrine Fund Inc., World Ctr. Birds of Prey, 5666 West Flying Hawk Ln., Boise, ID 83709 USA.)
- BURNS, S. A., ET AL. **Organochlorines and eggshell thinning in Peregrine Falcon *Falco peregrinus* eggs from the eastern United States, 1986–1988.** Pp. 709–716. (Inst. Mar. Sci., Univ. California Santa Cruz, Santa Cruz, CA 95064 USA.)
- CHANDLER, S. K., ET AL. **Using a geographic information system to analyse Bald Eagle *Haliaeetus leucocephalus* habitat on the Chesapeake Bay, Maryland.** Pp. 337–345. (Dept. Fish. & Wildl. Sci., Virginia Polytechnic Inst. & State Univ., Blacksburg, VA 24061 USA.)
- CORTONE, P., ET AL. **Population trends of the Red Kite (*Milvus milvus*) in Italy.** Pp. 29–32. (Via Galluppi 10, 87100 Cosenza, Italy.)
- DAVYGORA, A. V., & V. P. BELIK. **The Pallid Harrier *Circus macrourus* as an endangered species in the Palaearctic.** Pp. 93–96. (Orenburg Pedagogical Inst., Orenburg, Russia.)
- DELOV, V. G. & G. S. STOYANOV. **Ecological aspects of long-term changes in population density of the Kestrel *Falco tinnunculus* around Sofia.** Pp. 33–38. (Fac. Biol., 8 Dragan Tzancov St., 1421 Sofia, Bulgaria.)
- ENRIQUEZ-ROCHA, P., J. L. RANGEL-SALAZAR, & D. W. HOLT. **The distribution of Mexican owls.** Pp. 567–574. (GEB-Mex, Ap. Postal 4-071, 06400 México, D. F. México.)
- EVANS, I. M., ET AL. **Population and range restoration of threatened raptors in the United Kingdom.** Pp. 447–457. (Vert. Ecol. & Conserv. Branch, Joint Nat. Conserv. Committee, Monkstone House, City Road, Peterborough PE1 1JY, UK.)
- FALANDYSZ, J., & T. MIZERA. **Trace element concentrations in feathers of White-tailed Sea Eagles *Haliaeetus albicilla* collected recently in Poland.** Pp. 717–723. (Env. & Toxicol. Chem. Res. Gp., Dept. Chem. Res. Gp., Dept. Chem., Univ. Gdansk, ul. Sobieskiego 18, PL 80-952, Gdansk, Poland.)
- FALANDYSZ, J., ET AL. **Highly toxic non-ortho-chlorine substituted coplanar PCBs in White-tailed Sea Eagles *Haliaeetus albicilla* from Poland.** Pp. 725–730. (Env. & Toxicol. Chem. Res. Gp., Dept. Chem. Res. Gp., Dept. Chem., Univ. Gdansk, ul. Sobieskiego 18, PL 80-952, Gdansk, Poland.)
- FARALLI, U. **Breeding biology, habitat selection and conservation of Montagu's Harrier *Circus pygargus* in the Northern Apennines, Italy.** Pp. 97–101. (LIPU, Nat. Conserv. Dept., Vicolo S. Tiburzio 5, Parma, Italy.)
- FREY, H., & M. B. VAN LEXMOND. **The reintroduction of the Bearded Vulture *Gypaetus barbatus aureus* into the Alps.** Pp. 459–464. (Inst. Parasitol. Allgem. Zool., Veterinärmedizinische Univ., Linke Bahngasse 11, 1030 Vienna, Austria.)
- GALEOTTI, P., & A. GARIBOLDI. **Territorial behaviour and habitat selection by the Scops Owl *Otus scops* in a Karstic Valley (NE Italy).** Pp. 501–505. (Dip. Biol. Anim., Univ. Pava, Piazza Botta 9, 27100 Pavia, Italy.)
- GAMAUF, A. **The influence of tourism on Marsh Harriers *Circus aeruginosus* in the Neusiedlersee-Seewinkel National Park, Austria.** Pp. 103–108. (Inst. Wildbiol. Jagdwirtschaft, Peter-Jordan-Strasse 76, Univ. Bodenkultur, 1190 Wien, Austria.)
- GAUCHER, P., W. D. DAUNICHT, & X. EICHACHER. **The Sooty Falcon *Falco concolor* in Saudi Arabia.** Pp. 109–116. (Nat. Wildl. Res. Ctr., P.O. Box 1086 Taif, Saudi Arabia.)
- GEHLBACH, F. R. **Recruitment in an Eastern Screech-Owl *Otus asio* population: on components of fitness and inheritance.** Pp. 507–509. (Dept. Biol., Baylor Univ., Waco, TX 76798 USA.)
- GÉNOT, J.-C. **Breeding biology of the Little Owl *Athene noctua* in France.** Pp. 511–520. (Regional Nat. Pk. Northern Vosges, 67290 La Petite-Pierre, France.)
- GIACCHINI, P., & M. PANDOLEI. **Feeding habits of Montagu's Harrier *Circus pygargus* in Central Italy.** Pp. 117–122. (Inst. Sci. Morfologiche, Univ. Urbino, Via M. Oddi, 23, 61029 Urbino, Italy.)
- GRUBB, T. G., W. W. BOWERMAN, & P. H. HOWEY. **Tracking local and seasonal movements of wintering Bald Eagles *Haliaeetus leucocephalus* from Arizona and Michigan with satellite telemetry.** Pp. 347–358. (USDA For. Serv., Rocky

- Mtn. For. & Range Exp. Stn., 2560 S. Pine Knoll Dr., Flagstaff, AZ 86001 USA.)
- HELANDER, B. **Pre-1954 breeding success and productivity of White-tailed Sea Eagles *Haliaeetus albicilla* in Sweden.** Pp. 731-733. (Swedish Soc. Nat. Conserv., Box 4625, S-116 92, Stockholm, Sweden.)
- HELANDER, B. **Productivity in relation to residue levels of DDE in the eggs of White-tailed Sea Eagles *Haliaeetus albicilla* in Sweden.** Pp. 735-738. (Swedish Soc. Nat. Conserv., Box 4625, S-116 92, Stockholm, Sweden.)
- HELBIG, A. J., ET AL. **Phylogenetic relationships among falcon species (genus *Falco*) according to DNA sequence variation of the cytochrome b gene.** Pp. 593-599. (M. Wink: Inst. Pharmazeutische Biol., Univ. Heidelberg, 1m Neuenheim et feld, 69120 Heidelberg, Germany.)
- HENNY, C. J., ET AL. **Organochlorine pesticides, chlorinated dioxins and furans, and PCBs in Peregrine Falcon *Falco peregrinus* eggs from the Kola Peninsula, Russia.** Pp. 739-749. (USF&WS, Patuxent Wildl. Res. Ctr., 3080 SE Clearwater Dr., Corvallis, OR 97333 USA.)
- HERHOLDT, J. J. **Aspects of the breeding ecology of the Red-necked Falcon *Falco chicquera horsbrughii* and its hunting association with the Gabar Goshawk *Micronisus gabar* in the south-eastern Kalahari.** Pp. 123-132. (Transvaal Nat. Conserv., Bird Monitoring Unit, P/Bag X 1088, Lydenburg 1120, S. Africa.)
- HOHMANN, U. **Status specific habitat use in the Common Buzzard *Buteo buteo*.** Pp. 359-366. (Schloß Nienover, 3417 Bodenfelde, Germany.)
- HOLDAWAY, R. N. **An exploratory phylogenetic analysis of the genera of the Accipitridae with notes on the biogeography of the family.** Pp. 601-649. (Dept. Zool., Univ. Canterbury, Private Bag, Christchurch, New Zealand.)
- HOUSTON, D. C. **Observations on Greater Yellow-headed Vultures *Cathartes melambrotus* and other *Cathartes* species as scavengers in forest in Venezuela.** Pp. 265-268. (Dept. Zool., Univ. Glasgow, Glasgow G12 8QQ, Scotland, UK.)
- IANKOV, P., K. KHRISTOV, & S. AVRAMOV. **Changes in status of the Black Vulture *Aegypius monachus* in Bulgaria for the period 1980-1990.** Pp. 139-142. (Bulgarian Soc. Prot. Birds, 8 Dragan Tzankov St., 1421 Sofia, Bulgaria.)
- IANKOV, P., ET AL. **Past and present status of the Lesser Kestrel *Falco naumanni* in Bulgaria.** Pp. 133-137. (Bulgarian Soc. Prot. Birds, 8 Dragan Tzankov St., 1421 Sofia, Bulgaria.)
- JENKINS, J. M., ET AL. **DDE contamination and population parameters of Bald Eagles *Haliaeetus leucocephalus* in California and Arizona, USA.** Pp. 751-756. (Tech. & Ecol. Serv., Pacific Gas & Electric Co., 3400 Crow Canyon Rd., San Ramon, CA 94583 USA.)
- KEMP, A., & T. CROWE. **A morphometric analysis of *Accipiter* species.** Pp. 651-665. (Dept. Birds, Transvaal Mus., P.O. Box 413, Pretoria 0001, S. Africa.)
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- MANZI, A., & P. PERNA. **Relationships between Peregrine and Lanner in the Marches (Central Italy).** Pp. 157–162. (Dip. Bot. Ecol., Via Pontoni 5, 62032 Camerino (MC), Italy.)—*Falco peregrinus*, *Falco biarmicus*.
- MARINKOVIC, S., & O. LJILJANA. **Status of the Griffon Vulture *Gyps fulvus* in Serbia.** Pp. 163–172. (Inst. Biol. Res., "Sinisa Stankovic", 29. Novembra 142, 11060 Belgrade, Yugoslavia.)
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- PLESNIK, J., & M. DUSIK. **Reproductive output of the Tawny Owl *Strix aluco* in relation to small mammal dynamics in intensively cultivated farmland.** Pp. 531–535. (Czech Inst. Nat. Conserv., Slezská 9, 120 2a Prague 2, Czech Rep.)
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- Falco rusticolus* populations in the Northwest Territories, Canada. Pp. 421–435. (Dept. Renewable Res., Yellowknife, Gov. Northwest Territories NT X1A 2L9, Can.)
- SULKAVA, S., K. HUHTALA, & R. TORNBORG. **Regulation of Goshawk *Accipiter gentilis* breeding in Western Finland over the last 30 years.** Pp. 67–76. (Dept. Zool., Univ. Oulu, SF-90670 Oulu, Finland.)
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- XIANJI, W., & Y. LAN. **The distribution and conservation of Strigiformes in Yunnan Province, China.** Pp. 579–586. (Inst. Zool., Acad. Sinica, Kunming, Yunnan, P. R. China.)
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- ZOLLINGER, R., & G. MUSKENS. **Population dynamics and lifetime reproductive success in Sparrowhawks *Accipiter nisus* in a Dutch-German area.** Pp. 77–85. (DLO Inst. For. Nat. Res., P.O. Box 9201, 6800 HB Arnhem, Netherlands.)
- ZOLLINGER, R., & W. J. M. HAGEMEIJER. **The Lesser Kestrel *Falco naumanni*: review of the status of a globally threatened species.** Pp. 219–228. (% SOVON, Rijkswaagweg 178, 6573 DG Beek-Ubbbergen, Netherlands.)

DISEASES, ABNORMALITIES, AND PARASITES

- ARTSOB, H., ET AL. 1992. **Isolation of the Lyme disease spirochete, *Borrelia burgdorferi*, from *Ixodes dammini* (Acari: Ixodidae) collected on Prince Edward Island, Canada.** J. Med. Entomol. 29(6): 1063–1066. (Natl. Lab. Special Pathogens, Lab. Ctr. Disease Control, Ottawa, ON, Can.)—Documents the first isolate of *B. burgdorferi* in Atlantic Canada, possibly because of the introduction of *I. dammini* on migratory birds.—G.S.
- BATTALY, G. R., & D. FISH. 1993. **Relative importance of bird species as hosts for immature *Ixodes dammini* (Acari: Ixodidae) in a suburban residential landscape of southern New York State.** J. Med. Entomol. 30(4): 740–747. (Dept. Comm. Prev. Med., New York Med. Coll., Valhalla, NY 10595 USA.)—25 of 36 bird species studied were parasitized by ticks. *Turdus migratorius* and *Troglodytes aedon* are reservoirs for the Lyme disease spirochete and may contribute to the risk of the disease for humans.—G.S.
- BELLEAU, E. 1993. [Parasite load of the Rock Par-

- tridge in the French Alps.] Bull. Mens. O.N.C. 175: 31–36.—*Alectoris graeca saxatilis*. (French.)
- BENNETT, G. F., ET AL. 1995. A comparison of the blood parasites of three Fenno-Scandian populations of the Pied Flycatcher *Ficedula hypoleuca*. J. Avian Biol. 26: 33–38. (Intl. Ref. Ctr. Avian Haematology & Dept. Biol., Memorial Univ. Newfoundland, St. John's, NF A1B 3X9, Can.)
- CHASTEL, C., ET AL. 1993. A rickettsia-like organism from *Ixodes uriae* ticks collected on the Kerguelen Islands (French Subantarctic Territories). Acta Virol. (Praha) 37(1): 11–20. (Virus Lab., Fac. Med., Brest, France.)—Isolated from ticks collected from penguins breeding on Mayes Is. Exact taxonomic position of this microorganism remains to be clarified.—G.S.
- COTGREAVE, P., & D. H. CLAYTON. 1994. Comparative analysis of time spent grooming by birds in relation to parasite load. Behaviour 131: 171–187. (A.F.R.C. Unit Ecol. Behav., Dept. Zool., Univ. Oxford, S. Parks Rd., Oxford OX1 3PS, UK.)—Literature study comparing 62 species.—T.B.J.
- DE LA CRUZ, J. 1990. [Nest mites of Cuba. I. A new species from the genus *Michaelopus* Fain and Johnston, 1974 (Acari, Acaridae).] Poeyana 399: 1–6. (Inst. Ecol. y Syst., La Habana, Cuba.) (Spanish.)
- DEL VALLE, M. T., & A. COY OTERO. 1990. [New records of parasites on Cuban birds.] Poeyana 401: 1–4. (Fac. Biol., Univ. La Habana, Cuba.) (Spanish, Engl. summ.)
- DÉGALIER, N., ET AL. 1992. [Birds as arbovirus hosts in Brazilian Amazonia.] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 69–111. (ORSTOM, a/c Inst. Evandro Chagas, C. P. 75, 66.017-970 Belém, PA, Brasil.)—Over 12,000 samples, 14% with antibodies for one or more of 70 strains of 17 arboviruses; forest cycles are important. (Portuguese, Engl. summ.)—Y.O.
- EZEALOR, A. U. 1993. Albinism in Spur-winged Goose *Plectropterus gambensis*. Malimbus 15: 93–94. (Dept. Biol. Sci., Ahmadu Bello Univ., Zaria, Nigeria.)
- HILL, L. A., & F. CLARK. 1993. Ectoparasites of Portuguese House Martins *Delichon urbica*. Airo 4(1): 7–11. (64 North Parade, Grantham, Lincolnshire NG31 8AN, UK.)—Describes ectoparasites found on 44 birds examined at 4 different locations. Extends current knowledge on the distribution of the species' ectoparasites in Iberian Peninsula.—R.R.
- HUMAIR, P. F., ET AL. 1993. *Ixodes ricinus* immatures on birds in a focus of Lyme borreliosis. Folia Parasitol. (Praha) 40(3): 237–242. (Inst. Zool., Neuchatel, Switzerland.)—13 passerine species in a Swiss woodland were found to be parasitized, especially *Turdus merula*, *Turdus philomelos*, and *Erithacus rubecula*.—G.S.
- JAENSON, T. G., ET AL. 1994. Geographic distribution, host associations, and vector roles of ticks (Acari: Ixodidae, Argasidae) in Sweden. J. Med. Entomol. 31(2): 240–256. (Dept. Zool., Univ. Uppsala, Sweden.)—*Ixodes persulcatus* and *Hylomma marginatum* may be regarded as not indigenous to Sweden although they may be regularly introduced by spring-migrating birds. *Ixodes ricinus*, medically the most important arthropod in northern Europe, has been recorded from 56 bird species.—G.S.
- JIANG GUOFU, ET AL. 1993. [A note on three testes in a cock—*Gallus gallus domesticus* Brisson.] Sichuan J. Zool. 12(1): 42. (Chinese.)
- KITA, J. 1993. [Progress in research on the influenza virus—a review.] Medycyna Wet. 49: 500–504. (Katedra Epizootologii Wydział Weterynarii SGGW, ul. Grochowska 272, 03–849 Warszawa, Poland.)—Waterfowl most important reservoir of influenza in humans and domestic animals. (Polish.)—J.P.
- LEHTONEN, J. T., & M. HARIO. 1994. [The role of different gammarid communities in transmission of *Polymorphus minutus* (Acanthocephala) to eiders.] Suomen Riista 40: 50–60.—Parasite loading in four *Gammarus* spp. and the risks of infection of Common Eider, *Somateria mollissima*, feeding on these spp., in Finland on the Baltic coast. (Finnish, Engl. summ.)
- MALLET-RODRIGUES, F. 1995. [Note on albinism in *Columbina talpacoti* (Temminck, 1811) in Rio de Janeiro.] Atual. Ornitol. (64): 12. (Dep. Zool. UFRJ, 21944-970 Rio de Janeiro, RJ, Brasil.) (Portuguese.)—Ruddy Ground-Dove.
- MATUCHKA, F. R., & A. SPIELMAN. 1992. Loss of Lyme disease spirochetes from *Ixodes ricinus* ticks feeding on European Blackbirds. Exp. Parasitol. 74(2): 151–158. (Dept. Trop. Publ. Health, Harvard School Publ. Health, Boston, MA 02115 USA.)—Although birds may burden human health by establishing new infestations of *I. ricinus* ticks, observations indicate that *T. merula* may benefit human health by locally diminishing transmission of the Lyme disease spirochete.—G.S.
- MINTON, C. 1994. Greenshank with deformed bill. Austral. Bird Watcher 15: 323. (165 Dalgetty Rd., Beaumaris, Vic. 3193, Australia.)—Adult *Tringa nebularia* with bill half normal length.—I.D.E.
- OLSÉN, B., ET AL. 1993. A Lyme borreliosis cycle in seabirds and *Ixodes uriae* ticks. Nature 362: 340–342. (Dept. Microbiol. & Dept. Infect. Diseases, Univ. Umeå, S-90187 Umeå, Sweden.)—Lyme disease spirochaete *Borrelia burgdorferi* isolated from *Alca torda* on a mammal-free island in the Baltic Sea.—G.S.
- POIANI, A. 1994. Host-ectoparasite interactions in the Bell Miner *Manorina melanophrys* (Meliphagidae) and other sympatric passerines. Vic. Nat. 111: 102–109. (Sch. Genetics Human Variation, La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Parasite load related to age, colony density, body condition, and social behavior.—I.D.E.
- PRZYDRYGA, M. 1994. [A case of hermaphroditism in a sea gull.] Medycyna Wet. 50: 71–72. (ul. 19 Sty-

- cznia, 12 B, m.1, 64-820 Szamocin, Poland.)—The reproductive tract of a *Larus ridibundus* was composed of the testicles and two excretory ducts of the testicles joined to the ovary, as well as a left ovary and oviduct. (Polish, Engl. summ.)—J.P.
- ZHANG LUPING, ET AL. 1993. [A new species of *Acuarioides* from birds (Spirurida: Acuariidae).] *Sichuan J. Zool.* 12(2): 1-3. *Acuaria cincli* sp. nov., similar to *A. microcaea* and *A. minuta* is described. The specimens were collected from the gizzard of a *Cinclus pallasi*. (Chinese, Engl. summ.)
- ECOLOGY AND POPULATIONS**
- ALAGAR RAJAN, S. 1990. The ecology of the Indian Ring Dove *Streptopelia decaocto decaocto* (Frisvalzky) and the Indian Spotted Dove *Streptopelia chinensis suratensis* (Gmelin) at Point Calimere Wildlife Sanctuary, Tamil Nadu. M. Sc. Thesis, (Zoology) Univ. Bombay, India. (3/15, Dennis St., Nagercoil 629 001, Tamil Nadu, India.)—Data are provided on habitat preference, daily movements, population density, food plants, and predators.
- APARICIO, J. M. 1994. The effect of variation in the laying interval on proximate determination of clutch size in the European Kestrel. *J. Avian Biol.* 25: 275-280. (Mus. Nac. Cienc. Nat. (CSIC), J. Guiterrez Abascal 2, E-28006 Madrid, Spain.)—Supplementary feeding experiment on *Falco tinnunculus*.—R.T.B.
- BAIRLEIN, F., & U. HARMS. 1994. [Movements, mortality and causes of death of raptors and owls ringed in northwestern Germany.] *Vogelwarte* 37: 237-246. (Inst. f. Vogelforschung, An der Vogelwarte 21, D-26386 Wilhelmshaven, Germany.) (German, Engl. summ.)
- BARMAN, R., & P. C. BHATTACHARJEE. 1994. An evaluation of the Habitat Suitability Index model as applied to the Bronze-winged Jacana *Metopidius indicus* in Assam, India. *Stilt* 24: 31-34. (Dept. Zool., Gauhati Univ., Guwahati 781014, Assam, India.)—Vegetation species, edge index and water quality determine habitat suitability.—I.D.E.
- BEZZEL, E., & H.-J. FUNESTÜCK. 1994. [Breeding biology and population dynamics of the Golden Eagle (*Aquila chrysaetos*) in the Werdenfelser Land, Southern Bavaria.] *Acta Ornithorecologica* 3: 5-32. (Bay. Landesanst. f. Bodenkultur und Pflanzenbau—Inst. f. Vogelkunde, Gsteigerstr. 43, 82467 Garmisch-Partenkirchen, Germany.)—Reports the abundance, productivity and mortality of Golden Eagles in the northern Alps of Germany. (German, Engl. summ.)—T.P.W.
- BRIDGES, L. 1994. Territory and mate fidelity in a migratory population of the Rufous Whistler *Pachycephala rufiventris*. *Emu* 94: 156-165. (2/40 Templeton St., Cook, ACT 2614, Australia.)—Both territory and mate fidelity high within and between seasons.—S.R.P.
- CLARKE, M. F., & G. F. FITZ-GERALD. 1994. Spatial organisation of the cooperatively breeding Bell Miner *Manorina melanophrys*. *Emu* 94: 96-105. (Sch. Zool., La Trobe Univ., Bundoora, Vic. 3083, Australia.)—Extreme interspecific territoriality achieved by cooperative group-defence does not fit within current classifications of breeding systems.—S.R.P.
- DANCHIN, E., G. GONZÁLEZ-DAVILA, & J. D. LEBRETON. 1995. Estimating bird fitness correctly by using demographic models. *J. Avian Biol.* 26: 67-75. (Univ. Pierre et Marie Curie, Inst. d'Écol., CNRS-URA258, Bât. A., 7^e étage, 7 quai St. Bernard, Case 237, F-75252 Paris Cedex 05, France.)
- DU PLESSIS, C. J., Y. M. VAN HEEZIK, & P. J. SEDDON. 1994. Timing of King Penguin breeding at Marion Island. *Emu* 94: 216-219. (Irene Anim. Production Inst., Private Bag X2, Irene 1675, S. Africa.)—Similar to results for *Aptenodytes patagonicus* from Possession and Heard is.—S.R.P.
- DUNLOP, J. N., & J. JENKINS. 1994. Population dynamics of the Bridled Tern *Sterna anaethetus* colony on Penguin Island, South-western Australia. *Corolla* 18: 33-36. (P.O. Box 518, Karratha, WA 6714, Australia.)—Colony expansion from surplus of young breeding-age birds.—I.D.E.
- FORBES, L. S. 1994. The good, the bad and the ugly: Lack's brood reduction hypothesis and experimental design. *J. Avian Biol.* 25: 338-343. (Dept. Biol., Univ. Winnipeg, 515 Portage Ave., Winnipeg, MB R3B 2E9, Can.)—Outline of experiment design allowing strong test of Lack's hypothesis.—R.T.B.
- GRAVES, G. R., & N. J. GOTELLI. 1993. Assembly of avian mixed-species flocks in Amazonia. *Proc. Natl. Acad. Sci. USA* 90: 1388-1391. (Dept. Vert. Zool., Natl. Mus. Nat. Hist., Smithsonian Inst., Washington, DC 20560 USA.)—Interspecific territoriality may prevent ecologically similar congeners from joining the same flock. Local competitive exclusion may enhance regional species diversity.—G.S.
- GRUBB, T. C., JR., & V. V. PRAVOSUDOV. 1994. Toward a general theory of energy management in wintering birds. *J. Avian Biol.* 25: 255-260. (Behav. Ecol. Gp., Dept. Zool., Ohio State Univ., Columbus, OH 43210-1293 USA.)—A point of view.—R.T.B.
- GRUNSKY, B. 1994. [Guillemots (*Uria aalge*) in the breeding colony on Heligoland: colony attendance of adults, colony size and feeding ecology of chicks.] *Acta Ornithorecologica* 3: 33-45. (Von-Claer-Str. 118, 53757 St. Augustin, Germany.)—Colony consists of 2,000 pairs of which 2/3 bred. Chicks were mainly fed with sandeels. (German, Engl. summ.)—T.P.W.
- HARRIS, M. P., ET AL. 1994. Post fledging survival to breeding age of Shags *Phalacrocorax aristotelis* in relation to year, date of fledging and brood size. *J. Avian Biol.* 25: 268-274. (Inst. Terr. Ecol., Hill of Brathens, Banchory, Kincardineshire AB31 4BY,

- UK.)—Long-term ringing study in SE Scotland.—R.T.B.
- JONES, I. L., & F. M. HUNTER. 1993. **Mutual sexual selection in a monogamous seabird.** *Nature* 362: 238–239. (Dept. Biol., Univ. British Columbia, 6270 Univ. Blvd., Vancouver, BC V6K 1Z4, Can.)—Responses of Crested Auklet, *Aethia cristatella* to experimentally accentuated male and female models show that ornaments expressed in both sexes are favored by mutual mating preferences.—G.S.
- KNYSH, N. P. 1994. [Influence of the disturbance factor and the pressure of investigators on nest failure in passerine birds (a case study of the Red-backed Shrike).] *Berkut* 3: 38–39. (Zoological Institute, 87 Romen St., Sumy, 244027, Ukraine.)—*Lanius collurio*. (Russian, Engl. summ.)
- KÖNIGSTEDT, B., & D. G. W. KÖNIGSTEDT. 1994. [Behaviour and food composition of an Eagle Owl (*Bubo bubo*) in an urban habitat.] *Acta Ornithologica* 3: 47–51. (Hauptstr. 33, 19273 Tripkau, Germany.) *Bubo bubo*. (German, Engl. summ.)
- KOOKER, G. 1994. [Structure and quality of the urban avifauna in Osnabrück.] *Acta Ornithologica* 3: 73–96. (Fachbereich Biol./Chem., Univ. Osnabrück, Barbarastr. 11, 49069 Osnabrück, Germany.)—Highest densities in residential areas and parks, lowest densities in industrial and agricultural areas. (German, Engl. summ.)—T.P.W.
- LAHTI, K., K. KOIVULA, & M. ORELL. 1994. **Is the social hierarchy always linear in tits?** *J. Avian Biol.* 25: 347–348. (Dept. Zool., Univ. Oulu, Linnanmaa, SF-90570 Oulu, Finland.)—Description of nonlinear hierarchy in *Parus montanus*.—R.T.B.
- LUO SHIYOU, ET AL. 1993. [Ecology of White-capped Water-redstart.] *Sichuan J. Zool.* 12(2): 21–22. (Chinese.)—*Chaimarrornis leucocephalus*.
- MADLOW, W. 1994. [Habitat selection of passerines on passage at a North German lake.] *Acta Ornithologica* 3: 57–72. (Am Stadtpark 4, 16303 Schwedt, Germany.)—Niche segregation is found between and within species. (German, Engl. summ.)—T.P.W.
- MARCHETTI, K. 1993. **Dark habitats and bright birds illustrate the role of the environment in species divergence.** *Nature* 362: 149–152. (Sect. Zool. Ctr. Popul. Biol., Univ. Calif. Davis, Davis, CA 95616 USA.)—Experimentally altered conspicuousness of wingbars directly affected territory size in *Phylloscopus inornatus*. Variation in environment can cause species divergence whether or not perceptual systems are variable.—G.S.
- MARINI, M. A., & R. B. CAVALCANTI. 1993. **Habitat and foraging substrate use of three *Basileuterus* warblers from central Brazil.** *Ornitol. Neotrop.* 4: 69–76. (Depto. Ecol., Univ. Brasília, Brasília, DF 70000, Brasil.)—Competitive exclusion and differences in vertical foraging distribution are important factors in the comparative ecology of *B. leucophrys* (White-striped Warbler), *B. flaveolus* (Flavescent Warbler), and *B. hypoleucus* (White-bellied Warbler).—R.T.C.
- MARTUCCI, O., & C. CONSIGLIO. 1991. **Activity rhythm and food choice of Cormorants (*Phalacrocorax carbo sinensis*) wintering near Rome, Italy.** *Gerfaut* 8: 151–160. (Via Dragoncello 577, I-00126 Rome, Italy.)
- MAWSON, P. R., & J. L. LONG. 1994. **Size and age parameters of nest trees used by four species of parrot and one species of cockatoo in south-west Australia.** *Emu* 94: 149–155. (Agric. Protection Board WA, Bougainvillea Ave., Forrestfield, WA 6058, Australia.)—Lowest mean age for nest trees of species examined was 275 years which necessitates changes in forest management practices to ensure a continued supply of suitable nest sites.—S.R.P.
- McFARLAND, D. C. 1994. **Responses of territorial New Holland Honeyeaters *Phylidonyris novaehollandiae* to short-term fluctuations in nectar productivity.** *Emu* 94: 193–200. (Dept. Zool., Univ. New England, Armidale, NSW 2351, Australia.)—Alterations in aggressive behavior rather than territory size.—S.R.P.
- NOGLES, M. 1995. **Breeding strategies of Ravens *Corvus corax* in an oceanic island ecosystem (El Hierro, Canary Islands).** *J. Ornithol.* 136: 65–71. (Depto. Biol. Anim. (Zool.), Univ. La Laguna, E-38206 Tenerife, Canary Islands, Spain.)
- NORRIS, K. 1993. **Heritable variation in a plumage indicator of variability in male Great Tits *Parus major*.** *Nature* 362: 537–539. (Edward Grey Inst., Dept. Zoology, Oxford Univ., S. Parks Rd., Oxford OX1 3PS, UK.)—Cross-fostering experiment shows that the plumage trait associated with attractiveness in males is heritable and that the viability of male offspring is correlated with the plumage traits of their father.—G.S.
- PILASTRO, A., G. BERTORELLE, & G. MARIN. 1995. **Winter fattening strategies of two passerine species: environmental and social influences.** *J. Avian Biol.* 26: 25–32. (Dip. Biol., Univ. Padova, via Trieste 75, I-35121 Padova, Italy.)—2-year winter study of *Erethacus rubecula* and *Troglodytes* in northern Italy.—R.T.B.
- PIMM, S. L., ET AL. 1993. **Times to extinction for small populations of large birds.** *Proc. Natl. Acad. Sci. USA* 90: 10871–10875. (Dept. Zool., Univ. Tennessee, Knoxville, TN 37996 USA.)—Median lifetimes are calculated as only 1–5 years for populations of 1–2 breeding pairs. Lifetimes rise by a factor of 3–4 for each additional pair up to 3 pairs, but more slowly thereafter.—G.S.
- POULSEN, B. O. 1993. **Change in mobility among crepuscular ground-living birds in an Ecuadorian cloud forest during overcast and rainy weather.** *Ornitol. Neotrop.* 4: 103–105. (Zool. Mus., Sect. Ornithol., Univ. Copenhagen, Universitetsparken 21, 2100 Copenhagen, Denmark.)
- POULSEN, B. O. 1994. **Poison in pitohui birds: against**

- predators or ectoparasites?** *Emu* 94: 128–129. (Zool. Mus., Univ. Copenhagen, Universitetsparken 15, DK 2100, Denmark.)—Extremely low toxin concentrations and other evidence suggest pitohui poison has an anti-ectoparasite rather than an anti-predator role.—S.R.P.
- PRZYBYLO, R. 1995. **Intersexual niche differentiation—field data on the Great Tit *Parus major*.** *J. Avian Biol.* 26: 20–24. (Dept. Zool. & Ecol., Agric. Univ., Al. Mickiewicza 24/28, 30-059 Cracow, Poland.)—One-season nest-box study of the effects of sexual dimorphism, diversity of prey items, and laying date on reproductive success did not confirm intersexual niche differentiation hypothesis.—R.T.B.
- RICHMAN, A. D., & T. PRICE. 1992. **Evolution of ecological differences in the Old World leaf warblers.** *Nature* 355: 817–821. (Dept. Biol. O-116, Univ. California San Diego, La Jolla, CA 92093 USA.)—Phylogeny of 8 sympatric *Phylloscopus* warblers (based on DNA sequences) suggests that the evolution of prey-size choice and feeding method occurred rapidly and early in the diversification of these warblers, and that habitat differentiation has changed more recently.—G.S.
- SANDERCOCK, B. K. 1994. **The effect of manipulated brood size on parental defence in a precocial bird, the Willow Ptarmigan.** *J. Avian Biol.* 25: 281–286. (Dept. Biol. Sci., Simon Fraser Univ., Burnaby, BC V5A 1S6, Can.)—*Lagopus lagopus*.
- SIKAMÄKI, P. 1995. **Are large clutches costly to incubate—the case of the Pied Flycatcher.** *J. Avian Biol.* 26: 76–80. (Dept. Biol., Konnevesi Res. Stn., Univ. Jyväskylä, P.O. Box 35, FIN-40351 Jyväskylä, 1ä, Finland.)—4-year clutch-size manipulation study of *Ficedula hypoleuca*.—R.T.B.
- SLATER, P. J. 1994. **Niche overlap between three sympatric, short-billed honeyeaters in Tasmania.** *Emu* 94: 186–192. (9 Palana St., The Gap, Qld. 4061, Australia.)—*Melithreptus affinis* and *M. validirostris* showed little overlap in foraging but both overlapped more with the more generalized foraging of *Lichenostomus flavicollis*.—S.R.P.
- SMITH, G. C., ET AL. 1994. **Home range of Plumbed Frogmouths *Podargus ocellatus plumiferus* during the non-breeding season as shown by radio-tracking.** *Emu* 94: 134–137. (DPI For. Serv., 80 Meiers Rd., Indooroopilly, Qld. 4068, Australia.)—Estimates range from 10.6–18 ha for the male and from 8.1–15 ha for the female.—S.R.P.
- SOLER, M., ET AL. 1995. **Determinants of reproductive success in a Mediterranean multi-brooded passerine: the Black Wheatear *Oenanthe leucura*.** *J. Ornithol.* 136: 17–27. (Depto. Biol. Anim., Fac. Cienc., Univ. Granada, E-18001 Granada, Spain.)
- SIPAEPEN, J. F. 1991. **Survival rates of some full-grown birds migrating through Belgium.** *Gerfaut* 81: 207–216. (Geelsebaan 45, B-2470 Retie, Belgium.)
- SWENSON, J. E., A. V. ANDREEV, & S. V. DROVETSKII. 1995. **Factors shaping winter social organization in Hazel Grouse *Bonasa bonasia*: a comparative study in the eastern and western Palearctic.** *J. Avian Biol.* 26: 4–12. (NINA, Tungasletta 2, N-7005 Trondheim, Norway.)—Comparative field studies in Sweden and eastern Siberia.—R.T.B.
- TOMKOVITCH, P. S. 1994. **[Site fidelity and the spatial structure of the populations in the Rock Sandpiper *Calidris ptilocnemis* and Dunlin *Calidris alpina* on Chukotsky Peninsula.]** *Russ. J. Ornithol.* 3: 13–30. (Zool. Mus., Moscow State Univ., Herzen str. 6, Moscow, 103009, Russia.) (Russian, Engl. summ.)
- TWIGG, L. E., & B. J. KAY. 1994. **Changes in the relative abundance of raptors and house mice in western New South Wales.** *Corella* 18: 83–86. (Agric. Prot. Board, Bougainville Ave., Forresterfield, WA 6058, Australia.)—Positive correlation between abundance of diurnal mouse-eating raptor species and mouse numbers—I.D.E.
- VAN VESSEM, J. 1991. **Timing of egg-laying, clutch size and breeding success of the Grey Heron, *Ardea cinerea*, in the north of Belgium.** *Gerfaut* 81: 177–193. (IWRB Slimbridge, Glos. GL2 7BX, UK.)
- VAN IMPE, J. 1991. **[Survival rate, mortality and migration of young Avocets ringed in Belgium.]** *Gerfaut* 81: 217–243. (Dr. Van de Perrelei, 51B, B-2140 Borgerhout, Belgium.)—*Recurvirostra aousetta*; description of a “sink” subpopulation. (Dutch, Engl. summ.)—J.VI.
- WADA, T. 1994. **Factors affecting nest re-use in the Rufous Turtle Dove *Streptopelia orientalis*.** *Japan. J. Orn.* 42: 41–51. (Dept. Zool., Fac. Sci., Kyoto Univ., Sakyo-ku, Kyoto 606, Japan.)
- WAITE, T. A., & J. D. REEVE. 1995. **Source-use decisions by hoarding Gray Jays: effects of local cache density and food value.** *J. Avian Biol.* 26: 59–66. (Dept. Zool., Ohio State Univ., Columbus, OH 43210 USA.)—Experimental field study of *Perisoreus canadensis* exploiting locally abundant food sources in 3 territories.—R.T.B.
- WATANUKI, Y. 1993. **Mortality of eggs and nest attendance pattern in Adelie Penguins in Lutzowholm Bay.** *Japan. J. Orn.* 42: 1–8. (Natl. Inst. Polar Res., Kaga, Itabashi-ku, Tokyo 173, Japan.)—Conditions of nest desertion after hatching of chicks of *Pygoscelis adeliae*.—Y.E.
- WENDELN, H., S. MICKSTEIN, & P. H. BECKER. 1994. **[Effects of individual foraging strategies of Common Terns (*Sterna hirundo*) on their presence at the colony site.]** *Vogelwarte* 37: 290–303. (Inst. f. Vogelforschung, An der Vogelwarte 21, D-26386 Wilhelmshaven, Germany.) (German, Engl. summ.)
- WILSON, S. J. 1994. **Sedentariness and survival of White-browed Scrub-wrens in the Brindabella Range, Australian Capital Territory.** *Corella* 18: 65–70. (56 Harrington Circuit, Kambah, ACT 2902, Australia.)—Twenty-year study showed 65% mean annual survival rate for *Sericornis frontalis*.—I.D.E.
- WINKEL, W. 1994. **[Long-term trends of Tree Sparrows (*Passer montanus*) in the Braunschweig-re-**

- gion.] Vogelwarte 37: 307–309. (Inst. f. Vogelforschung, Außenstation Braunschweig, Bauernstr. 14, D-38162 Cremlingen-Weddel, Germany.) (German, Engl. summ.)
- WINKEL, W., & D. WINKEL. 1995. [Costs and benefits of second broods in Coal Tits (*Parus ater*).] J. Ornithol. 136: 29–36. (Inst. f. Vogelforsch., Außenstation Braunschweig, Bauernstr. 14, D-38162 Cremlingen-Weddel, Germany.) (German, Engl. summ.)
- XUE LINWANG, ET AL. 1993. [Ecological materials on *Falco subbuteo*.] Sichuan J. Zool. 12(3): 41–42. (Chinese.)—Eurasian Hobby.
- YANG XIANGMING. 1993. [Ecology of common Scops Owl (*Otus scops*).] Sichuan J. Zool. 12(3): 30–31. (Chinese.)
- YANG XIANGMING, ET AL. 1993. [Ecology of *Buteo lagopus* in winter] Sichuan J. Zool. 12(4): 33–34. (Chinese.)—Rough-legged Buzzard.
- EVOLUTION, SYSTEMATICS, AND GENETICS**
- ALSTROM, P., U. OLSSON, & P. R. COLSTON. 1995. Re-evaluation of the taxonomic status of *Phylloscopus goodsoni* Hartert. Bull. Brit. Ornithol. Cl. 115: 53–57. (PRC: Bird Group, Nat. Hist. Mus., Akeman St., Tring, Herts HP23 6AP, UK.)—Evidence suggests that it is better considered a subspecies of *P. reguloides*.—L.G.G.
- AVISÉ, J. C., W. S. NELSON, & C. G. SIBLEY. 1994. DNA sequence support for a close phylogenetic relationship between some storks and New World vultures. Proc. Natl. Acad. Sci. USA 91: 5173–5177. (Dept. Genetics, Univ. Georgia, Athens, GA 30602 USA.)—Cytochrome b sequence data support a closer phylogenetic relationship between at least some storks and some New World vultures than between any representatives of these groups with the Old World vultures.—G.S.
- BALATSKY, N. N. 1994. [The coloration of bird eggs and natural selection.] Berkut 3: 56–57. (Flat 15, 87/1 Krasny Prospect, Novosibirsk-49, 630049, Russia.) (Russian, Engl. summ.)
- BALMFORD, A., A. L. R. THOMAS, & I. L. JONES. 1993. Aerodynamics and the evolution of long tails in birds. Nature 361: 628–631. (Dept. Zool., Univ. Cambridge, Downing St., Cambridge CB2 3EJ, UK.)—Long tails with shallow forks are aerodynamically optimal, exhibit low sexual dimorphism and may have evolved under natural selection rather than sexual selection.—G.S.
- BENKMAN, C. W., & A. K. LINDHOLM. 1991. The advantages and evolution of a morphological novelty. Nature 349: 519–520. (Dept. Zool., Univ. British Columbia, BC V6T 2A9, Can.)—Experimental study of the advantages of mandibular crossing in *Loxia curvirostra*.—G.S.
- BIRMINGHAM, E., ET AL. 1992. Vicariance biogeography in the Pleistocene and speciation in North American wood warblers: a test of Mengel's model. Proc. Natl. Acad. Sci. USA 89: 6624–6628. (Smithsonian Trop. Res. Inst., Apdo. 2072, Balboa, Panama.)—MtDNA phylogeny of *Dendroica virens* complex indicates that, contrary to Mengel's model, some western endemics in this group were budded off an eastern source, while others probably resulted from intermontane isolations in the west.—G.S.
- BIAN XIAOZHANG, ET AL. 1993. [Studies on the karyotypes of birds VII. 10 species of pheasants.] Zool. Res. 14(3): 258–262. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.)—The data seem to support previous studies of comparative DNA work, splitting the 35 genera of Phasianinae into 2 tribes. (Chinese, Engl. summ.)—J.L.M.
- BOURNE, W. R. P. 1995. The origin and affinities of Berthelot's Pipit *Anthus bertheloti*. Bull. Brit. Ornithol. Cl. 115: 22–24. (Zool. Dept., Univ. Aberdeen, Tillydrone Ave., Aberdeen AB9 2TN, Scotland, UK.)
- CLANCEY, P. A. 1992–1993. The status of *Nectarinia olivacea* (Smith), 1840; a unitary species or two polytypic allospecies? Gerfaut 82–83: 25–29. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)
- CLANCEY, P. A. 1994. Subspeciation in *Erythropygia coryphoeus* (Vieillot) of the Southwest Arid Zone of Africa. Bull. Brit. Ornithol. Cl. 114: 224–229. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)—4 races, *E. c. cinerea*, *E. c. coryphoeus*, *E. c. abbotti*, *E. c. eurino*.—L.G.G.
- CLANCEY, P. A. 1994. The type-locality of *Nectarinia senegalensis gutturalis* (Linnaeus), 1766. Bull. Brit. Ornithol. Cl. 114: 278–279. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)
- COOPER, A., ET AL. 1992. Independent origins of New Zealand moas and kiwis. Proc. Natl. Acad. Sci. USA 89: 8741–8744. (Div. Biochem. & Mol. Biol., Univ. Calif., Berkeley, CA 94720 USA.)—Phylogenetic analysis of mtDNA of 13 ratites shows that the kiwis are more closely related to Australian and African ratites than to the moas. New Zealand probably was colonized twice by ancestors of ratite birds.—G.S.
- COTGREAVE, P., & P. H. HARVEY. 1994. Associations among biogeography, phylogeny and bird species diversity. Biodiversity Letters 2(1): 46–55. (Dept. Zool., Univ. Oxford, S. Parks Rd., Oxford OX1 3PS, UK.)—Provides a biogeographic hypothesis for bird species diversity.—G.S.
- CRACRAFT, J. 1992. The species of the birds-of-paradise (Paradisaeidae): applying the phylogenetic species concept to a complex pattern of diversification. Cladistics 8: 1–43. (Dept. Anat. & Cell Biol. & Biol. Sciences, Univ. Illinois, P.O. Box 6998, Chicago, IL 60680 USA.)—Recognizes 90 phylogenetic species instead of 40–42 biological species. Includes the description of 2 new species: *Phonygammus*

- aruensis* (Aru Islands) and *P. diamondi* (Eastern Highlands, Papua New Guinea).—G.S.
- DE LUCCA, E. J. 1992. [Cytogenetics of birds.] *Bol. Mus. Para. Emilio Goeldi, Zool.* 8: 33–68. (Depto. Genética, IB, UNESP, 18.600 Botucatu, SP, Brasil.)—Avian cytogenetic techniques; references for 164 Brazilian birds analyzed, noting variation within families or species. (Portuguese, Engl. summ.)—Y.O.
- DESSAUER, H. C., G. F. GEE, & J. S. ROGERS. 1992. **Allozyme evidence for crane systematics and polymorphism within populations of Sandhill, Sarus, Siberian, and Whooping cranes.** *Mol. Phylogenet. Evol.* 1(4): 279–288. (Dept. Biochem. & Mol. Biol., Louisiana State Univ. Med. Center, New Orleans 70119 USA.)—Phylogenetic analysis of 15 spp. using character state and distance algorithms; *Grus canadensis*, *Grus antigone*, *Grus leucogeranus*, *Grus americana*.—G.S.
- DICKERMAN, R. W. 1994. **Notes on birds from Africa with descriptions of three new subspecies.** *Bull. Brit. Ornithol. Cl.* 114: 274–278. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Park West at 79th St., New York, NY 10024 USA.)—*Chrysococcyx flavigularis parkesi* in Cameroon, Zaire and Uganda and probably in forest east of Dahomey gap; *Pycnonotus virens poensis* in Bioko; *Fraseria cinerascens ruthae* in forests east of Dahomey gap.—L.G.G.
- DICKERMAN, R. W., ET AL. 1994. **Report on three collections of birds from Liberia.** *Bull. Brit. Ornithol. Cl.* 114: 267–274. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Park West at 79th St., New York, NY 10024 USA.)—Data on 22 species, 2 new subspecies recognized: *Halcyon badia obscuridorsalis* and *Trochocercus nigromitratus colstoni*, both probably found throughout forest zone west of Dahomey.—L.G.G.
- ERARD, C., G. HÉMERY, & E. PASQUET. 1993. [Geographic variation in Heuglin's Courser *Cursorius cinctus*.] *Bonn. Zool. Beitr.* 44: 165–192. (Mus. Nat. Hist. Lab. Zool. 55, rue Buffon, F-75005 Paris, France.) (French, Engl. summ.)—Age-related variation in plumage and sex-related differences in tarsus length are described. Uni- and multivariate analyses are used to show differences between subspecies.—F.G.
- HAFER, J. 1992. **"River effect" in some forest birds of southern Amazonia.** *Bol. Mus. Para. Emilio Goeldi, Zool.* 8: 217–245. (Tommesweg 60, 4300 Essen 1, Germany.)—Barrier effect of rivers disappears in headwaters or with river meandering, so that forest refuges in dry cycles still explain much evolution, especially for canopy birds and others that cross rivers.—Y.O.
- HANOTTE, O., ET AL. 1991. **Hypervariable minisatellite DNA sequences in the Indian Peafowl *Pavo cristatus*.** *Genomics* 9(4): 587–597. (Dept. Zool., Univ. Leicester, UK.)—First large-scale isolation of hypervariable minisatellite DNA sequences in birds.—G.S.
- HELM-BYCHOWSKI, K., & J. CRACRAFT. 1993. **Recovering phylogenetic signal from DNA sequences: relationships within the corvine assemblage (class Aves) as inferred from complete sequences of the mitochondrial DNA cytochrome-b gene.** *Mol. Biol. Evol.* 10(6): 1196–1214. (Dept. Biochem., DePaul Univ., USA.)—Phylogenetic analysis of cyt-b sequences and cranial osteological characters shows that the two major groups of birds of paradise, the manucodines and paradisaeinines, constitute a monophyletic group and that their sister group is the Corvidae.—G.S.
- JOSEPH, L., & C. MORITZ. 1993. **Phylogeny and historical aspects of the ecology of eastern Australian scrubwrens *Sericornis* spp.—evidence from mitochondrial DNA.** *Mol. Ecol.* 2(3): 161–170. (Dept. Zool., Univ. Queensland, Australia.)—Strongly corroborated molecular phylogeny of *Sericornis* confirms and extends the previous (Christidis et al. 1988, *Auk* 105: 616) reinterpretation of morphological and ecological shifts in this group.—G.S.
- MAYR, E., & J. GERLOFF. 1994. **The number of subspecies of birds.** *Bull. Brit. Ornithol. Cl.* 114: 244–248. (Mus. Comp. Zool., Harvard Univ., Cambridge, MA 02138 USA.)
- MCKEAN, J. L. 1989. **Taxonomic relationships of the White-rumped Kingfisher *Caridonax fulgidus*.** *Kukila* 4: 43–44. (11 Queens Rd., Railway Estate, Townsville, Qld. 4810, Australia.)—Suggests closest relatives may be the genus *Dacelo*.—I.A.W.M.
- MOKSNES, A., E. RØSKAFT, & T. TYSSE. 1995. **On the evolution of blue Cuckoo eggs in Europe.** *J. Avian Biol.* 26: 13–19. (Zool. Dept., Univ. Trondheim, N-7055 Dragvoll, Norway.)—Inspection of 11,870 *Cuculus canorus* eggs, of which 3% were blue, in European museum collections.—R.T.B.
- MOUM, T. S., ET AL. 1994. **Phylogeny and evolution of the auks (subfamily Alcinae) based on mitochondrial DNA sequences.** *Proc. Natl. Acad. Sci. USA* 91: 7912–7916. (Dept. Biochem. & Cell Biol., Inst. Med. Biol., Univ. Tromsø, 9037 Tromsø, Norway.)—Phylogeny of 19 of the 22 auk species shows that *Alle alle* is related to *Alca torda* and *Uria* spp. *Synthliboramphus hypoleucus* and *S. antiquus* and *S. wumizusume* are genetically distinct members of the same lineage. An early adaptive radiation of 6 main species groups of auks seems to trace back to Middle Miocene.—G.S.
- OLSON, S. L. 1994. **Cranial osteology of Tawny and Steppe Eagles *Aquila rapax* and *A. nipalensis*.** *Bull. Brit. Ornithol. Cl.* 114: 264–267. (Dept. Vertebr. Zool., Natl. Mus. Nat. Hist., Smithsonian Inst., Washington, DC 20560 USA.)
- OLSON, S. L. 1995. **The genera of owls in the Asioninae.** *Bull. Brit. Ornithol. Cl.* 115: 35–39. (Dept. Vert. Zool., Nat. Mus. Nat. Hist., Smithsonian Inst., Washington, D.C. 20560 USA.)
- PARSONS, T. J., S. L. OLSON, & M. J. BRAUN. 1993. **Unidirectional spread of secondary sexual plumage traits across an avian hybrid zone.** *Science* 260:

- 1643–1646. (Lab. Mol. Systematics, Natl. Mus. Nat. Hist., Smithsonian Inst., Washington, DC 20560 USA.)—Male secondary plumage traits of *Manacus vitellinus* have spread into populations of *M. candei* possibly as a result of sexual selection.—G.S.
- RANDI, E., ET AL. 1993. [Genetic variability of alpine and Apennine populations of Rock Partridge *Alectoris graeca*.] Suppl. Ric. Biol. Selvaggina 21: 467–474. (Nat. Inst. Fauna Selvatica—Via Ca' Fornacetta 9, 40064 Ozzano dell'Emilia, Bologna, Italy.) (Italian, Engl. summ.)
- SEIBOLD, I., A. J. HELBIG, & M. WINK. 1993. Molecular systematics of falcons (Family Falconidae). Naturwissenschaften 80: 87–90. (Inst. Pharmazeutische Biol. der Univ., W-6900, Heidelberg, Germany.)—*Falco peregrinoides* best regarded as a subspecies of *F. peregrinus*, *F. punctatus* more closely related to *F. naumanni* than to *F. tinnunculus*. Subgenus *Hierofalco* (*F. rusticolus* and related species) is the sistergroup of all other falcons studied.—G.S.
- SHELDON, F. H., & A. H. BLEDSOE. 1993. Avian molecular systematics, 1970s to 1990s. Ann. Rev. Ecol. Syst. 24: 243–278. (Mus. Nat. Sci., 119 Foster Hall, Louisiana State Univ., Baton Rouge, LA, USA.)—Remarkably few well-conceived and executed studies of higher-level phylogeny exist. A universal molecular clock for avian taxa is unlikely; conclusions that have relied on a clock may be incorrect. Congruence analysis of higher-level phylogenies does not support one kind of molecular data over another.—G.S.
- SOMADIKARTA, S. 1994. The identity of the Marquesan Swiftlet *Collocalia ocista* Oberholser Bull. Brit. Ornithol. Cl. 114: 259–263. (Jalan Salak 12, Bogor 16151, Indonesia.)—New race *C. o. gilliardi* occurs south of 9° S latitude.—L.G.G.
- TABERLET, P., A. MEYER, & J. BOUVET. 1992. Unusual mitochondrial DNA polymorphism in two local populations of Blue Tit *Parus caeruleus*. Mol. Ecol. 1(1): 27–36. (Genet. et Ecol. Popul., Univ. Joseph Fourier, Grenoble, France.)—MtDNA polymorphism is greater in *P. caeruleus* than in other comparable bird species and results from the presence of two clearly differentiated mitochondrial lineages.—G.S.
- VUILLEUMIER, F. 1991 (1993). [Preliminary studies of speciation in birds of Fuego-Patagonia Chile.] An. Inst. Patagonico 20: 83–88. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Discusses secondary contact in genera *Phalacrocorax*, *Attagis*, *Cinclodes*, *Geositta*, and *Phrygilus*. (Spanish, Engl. summ.)—R.T.C.
- VUILLEUMIER, F. 1991 (1994). [Biogeography of high Andean birds: an essay on various aspects of their evolution.] An. Inst. Patagonico 21: 39–66. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Habitat-based re-examination of the origin of Andean birds using subdivisions of vegetation as defined by plant ecologists, rather than life zone concept. Altitudinal transects in northern, central and southern Andes, with puna birds analyzed in detail. (Spanish.)—R.T.C.
- VUILLEUMIER, F. 1993. [Biogeography of Neotropical birds: conceptual hierarchies and prospects for future research.] Rev. Chilena Hist. Nat. 66: 11–51. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Proposes establishment of long-term biogeographic research programs at five spatial scales: station, biotope, sector, region, and continent. (Spanish, Engl. summ.)—R.T.C.
- WENINK, P. W., A. J. BAKER, & M. G. J. TILANUS. 1993. Hypervariable-control-region sequences reveal global population structuring in a long-distance migrant shorebird, the Dunlin (*Calidris alpina*). Proc. Natl. Acad. Sci. USA 90: 94–98. (Dept. Ornithol., Royal Ontario Mus., Toronto, ON M5S 2C6, Can.)—Population fragmentation in Pleistocene refuges is the most plausible mechanism of mtDNA differentiation in *C. alpina* but at a much earlier time scale than suggested previously with morphometric data.—G.S.

FEEDING BEHAVIOR AND DIET

- ALONSO, J. A., ET AL. 1994. Flock size and foraging decisions in central place foraging White Storks, *Ciconia ciconia*. Behaviour 129: 279–292. (Depto. Biol. Anim., Fac. Biol., Univ. Complutense, 28040, Madrid, Spain.)—The fact that travel distance and patch time correlated with the size of the flock already present rather than with patch quality suggests a modification of central place foraging theory for flock foragers.—T.B.J.
- ANTOR, R. J. 1995. The importance of arthropod fall-out on snow patches for the foraging of high-alpine birds. J. Avian Biol. 26: 81–84. (Inst. Pirenaico Ecol., CSI C, Apdo. 64, 22700 Jaca, Huesca, Spain.)—3-year study of *Montifringilla nivalis*, *Prunella collaris*, *Tichodroma muraria*, *Phoenicurus ochruros*, *Oenanthe oenanthe*, *Anthus spinoletta* during the breeding season in the Pyrenees.—R.T.B.
- ANTUNES, A. Z. 1994. [Use of *Cecropia* spp. by birds on the campus of UNESP in Rio Claro.] Atual. Ornitol. 61: 5. (Depto. Zool., UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.)—Urban arborization projects do not consider native fruiting trees useful to birds. (Portuguese.)—Y.O.
- BARBERO, E., C. PALESTRINI, & A. ROLANDO. 1993. [Variability of the entomotic diet of *Corvus corone cornix* in the West Padana Plain.] Suppl. Ric. Biol. Selvaggina 21: 431–437. (Dept. Anim. Biol. Univ. Via Academia Albertina 17, 10123 Torino, Italy.) (Italian, Engl. summ.)—Hooded Crow.
- BRABY, M. F. 1994. Predation of butterflies by birds. Vic. Nat. 111: 109–111. (CSIRO Div. Entomol., G.P.O. Box 1700, Canberra, ACT 2601, Australia.)—Literature records, observations, and bee-damaged wings.—I.D.E.

- CALE, P. 1994. **Temporal changes in the foraging behaviour of insectivorous birds in a sclerophyll forest in Tasmania.** *Emu* 94: 116–126. (For. Practices Comm. Tas., 30 Patrick St., Hobart, Tas. 7000, Australia.)—Substrates and/or methods of foraging changed or expanded between winter and summer in all six guilds studied.—S.R.P.
- CANOVA, L. 1992–1993. **Is fish preying by Hooded Crows, *Corvus corone corone*, favoured by interaction with gulls and terns?** *Gerfaut* 82–83: 31–32. (Dip. Biol. Anim., Univ. Pavia, Piazza Botta 9, I-27100 Pavia, Italy.)—*Corvus corone cornix*.
- CAVALLINI, P. 1994. **On the feeding behaviour of the Common Eiders in two coastal areas of Central Italy.** *Sitta* 6: 24–26.—Investigates reasons for the scarcity of *Somateria mollissima* wintering in the Mediterranean, using comparison between behavioral parameters of two small groups of birds. (Engl., Italian summ.)
- CROWE, D. M. 1994. **An interesting water source for birds in west. Ngamiland.** *Babbler* 28: 41–42. (P.O. Box 131, Gaborone, Botswana.)—*Streptopelia senegalensis*, *Pycnonotus nigricans* and *Ploceus velatus* drinking droplets on tips of stalactites in Drotsky's Cave.—N.J.S.
- FERNÁNDEZ RODRÍGUEZ, L. 1992–1993. **Notes on the feeding behaviour of the Azure-winged Magpie *Cyanopica cyana*.** *Gerfaut* 82–83: 75–76. (La Carrera 4, E-10694 Torrejón el Rubio, Cáceres, Spain.)
- FITZGERALD, M., & C. R. THORSTENSEN. 1994. **A note on Eastern Grass Owl *Tyto longimembris* diet from the north coast of New South Wales.** *Corella* 18: 87–88. (P.O. Box 237, Mullumbimby, NSW 2482, Australia.)—Three rodent and two bird species from pellets of one pair.—I.D.E.
- FRICK, S., & P. H. BECKER. [Different feeding strategies of Common and Arctic terns (*Sterna hirundo* and *S. paradisaea*) in the German Wadden Sea.] *J. Ornithol.* 136: 47–63. (Inst. f. Vogelforsch., An der Vogelwarte 21, D-26386 Wilhelmshaven, Germany.) (German, Engl. summ.)
- GARNETT, S., & G. CROWLEY. 1994. **Wet-season feeding by four species of granivorous birds in the Northern Territory.** *Austral. Bird Watcher* 15: 306–309. (Dept. Environ. Heritage, P.O. Box 2066, Cairns, Qld. 4870, Australia.)—With low grain abundance *Geopelia placida* switches to sedges and finches extend feeding time on old grasses.—I.D.E.
- GARNETT, S., R. LOYN, & D. TULLY. 1994. **Feeding behaviour of a Square-tailed Kite *Lophoictinia isura*.** *Austral. Bird Watcher* 15: 280–281. (Dept. Environ. Heritage, P.O. Box 2066, Cairns, Qld. 4870, Australia.)—Robbery from dove's nest.—I.D.E.
- GENISE, J. F., R. J. STRANECK, & P. L. HAZELDINE. 1993. **Sapsucking in the White-fronted Woodpecker *Melanerpes cactorum*.** *Ornitol. Neotrop.* 4: 77–82. (Mus. Arg. Cienc. Nat., Av. Angel Gallardo 470 (1405), Buenos Aires, Argentina.)—First descriptions of this behavior in a South American woodpecker.—R.T.C.
- HAMAS, M. J., & R. L. ZUSI. 1992. **Bat hunting by Merlins on Dominica.** *Caribb. J. Sci.* 28: 107–109. (Dept. Biol., Central Michigan Univ., Mount Pleasant, MI 48859 USA.)—*Falco columbarius*.
- IBORRA, O. 1994. [Avifauna of the Haut-Var Mediterranean piedmonts.] *Faune de Provence* 15: 49–62. (I.R.E.O. de Mondy, 26300 Bourg de Péage, France.)—Data on the diet of *Tyto alba* and *Bubo bubo*. Avifauna includes 131 species, 47.5% of the Voous Palearctic faunistic category. (French.)—G.O.
- JĘDRZEJSKI, W., ET AL. 1994. **Resource use by Tawny Owls *Strix aluco* in relation to rodent fluctuations in Białowieża National Park, Poland.** *J. Avian Biol.* 25: 308–318. (Res. Inst., Polish Acad. Sci., 17-230 Białowieża, Poland.)—8-year study of diet and prey resources during period of non-cyclic and outbreak-crash fluctuation in forest rodent abundance.—R.T.B.
- JĘDRZEJSKI, W., A. ZALEWSKI, & B. JĘDRZEJSKA. 1993. **Foraging by Pine Marten *Martes martes* in relation to food resources in Białowieża National Park, Poland.** *Acta Theriol.* 38: 405–426. 15 bird species found in scats, the most common being *Turdus philomelos*, 50% hole-nesting species.—J.P.
- JĘDRZEJSKI, W., ET AL. 1993. **Foraging by lynx and its role in ungulate mortality: the local Białowieża forest and the Palearctic viewpoints.** *Acta Theriol.* 38: 385–403. (Mammal Research Inst. PAS, 17-230 Białowieża, Poland.)—Birds in pristine forest 2.8% of scats and 1.8% in primeval forest; during radio-tracking; *Tetrastes bonasia*, *Dendrocopos major*.—J.P.
- KENTISH, B., & M. WEBBROOKE. 1994. **Crop and gizzard contents of a road-dead Malleefowl.** *Emu* 94: 130–132. (Sch. Biol. Chem. Sci., Univ. Ballarat, P.O. Box 663, Ballarat, Vic. 3353, Australia.)—Indicates a diverse, opportunistic and completely herbivorous diet in concordance with previous studies of *Leipoa ocellata*.—S.R.P.
- KOSTYUSHIN, V. A. 1994. [Observation of Hooded Crows hunting a Rock Dove.] *Berkut* 3: 58. (A. N. Ukraine Institute of Zoology, 15 B. Khmel'nits St., Kiev-30 GSP, 252650, Ukraine.)—*Corvus [corone] cornix*, *Columba livia*. (Russian, Engl. summ.)
- LANE, S. G. 1994. **Feeding association between Comb-crested Jacana *Irediparra gallinacea* and Australasian Grebe *Tachybaptus novaehollandiae*.** *Austral. Bird Watcher* 15: 324. (Lot 6, Fairview Rd., Moonee via Coffs Harbour, NSW 2450, Australia.)—Jacana fed from disturbed water surface.—I.D.E.
- LARSSON, C. 1995. **Sunbirds (*Nectarinia*) prefer to forage in dense vegetation.** *J. Avian Biol.* 26: 85–87. (Dept. Zool., Uppsala Univ., Villavägen 9, S-75236 Uppsala, Sweden.)—1-month field study of *N. venusta*, *N. kilimensis*, and *N. reichenowi* in Kenya.—R.T.B.
- LEPLEY, M. 1994. [Insectivorous birds pellet analysis: method, limit and plates of preys remains of

- Lesser Kestrel *Falco naumanni* in Crau, South-East France.** Faune de Provence 15: 5–15. (Conservatoire-Etudes Ecosystèmes Provence, Ecomusée de la Crau, 13310 Saint-Martin de Crau, France.) (French, Engl. summ.)
- MACZKOWSKI, K., & P. TRYJANOWSKI. 1993. [**Carp (*Cyprinus carpio*) in the food of Buzzard (*Buteo buteo*).**] Przegł. Przyr., 4(2): 76. (Powodowo 23/23, 64-200 Wolsztyn, Poland.) (Polish.)
- MARCONDES-MACHADO, L. O., S. J. PARANHOS, & Y. DE M. BARROS. 1994. [**Feeding strategies of birds on fruits of *Ficus microcarpa* (Moraceae) in an anthropic zone.**] Iheringia, ser. Zool. 77: 57–62. (Depto. Zool., UNICAMP, C. P. 6109, 13.081-970 Campinas, SP, Brasil.)—23 species, June 1991 to Feb. 1992. (Portuguese, Engl. summ.)—Y.O.
- MCNAMARA, J. M., A. I. HOUSTON, & S. L. LIMA. 1994. **Foraging routines of small birds in winter: a theoretical investigation.** J. Avian Biol. 25: 287–302. (Sch. Biol. Sci., Bristol Univ., Woodland Rd., Bristol BS8 1UG, UK.)
- MILLER, M. A., & R. NAISBIT. 1994. **A technique employed by a Pied Currawong *Strepera graculina* to capture a Spotted Turtle-Dove *Streptopelia chinensis*.** Austral. Bird Watcher 15: 320–321. (Healesville Sanct., P.O. Box 248, Healesville, Vic. 3777, Australia.)—Seized and decapitated stationary prey.—I.D.E.
- MOSSO, E. D., & A. H. BELTZER. 1993. [**Notes on the diet of *Fulica leucoptera* in the alluvial valley of the middle Río Parana, Argentina.**] Ornitol. Neotrop. 4: 91–93. (Dirección Ecol. y Prot. Fauna, Min. Agric., Ganadería, Industria y Comercio, Bv. Pellegrini 3100 (3000), Santa Fe, Argentina.) (Spanish.)—White-winged Coot.
- NICOLAI, B. 1994. [**Common hamster, *Cricetus cricetus*, as road casualty and prey of Eagle Owl, *Bubo bubo*, in Sachsen-Anhalt.**] Abh. Ber. Mus. Heineanum 2: 125–132. (Mus. Heineanum, Domplatz 37, 38820 Halberstadt, Germany.)—*B. bubo*. (German, Engl. summ.)
- OLIOSO, G. 1994. [**Collective fishing in the Cormorant *Phalacrocorax carbo*.**] Faune de Provence 15: 79. (Ctr Rech. Ornithol. Provence, le Mail, 26230 Grignan, France.) In the Rhône River. (French.)
- OLIVER, P. J. 1995. **Feeding habits of the Green Heron in Mauritius.** Bull. Brit. Ornithol. Cl. 115: 69–70. (The Briar Patch, Limsfield Chart, Oxted, Surrey RH8 0TL, UK.)—*Butorides striatus*.
- PINXTEN, R., & M. EENS. 1994. **Male feeding of nestlings in the facultatively polygynous European Starling: allocation patterns and effect on female reproductive success.** Behaviour 129: 113–140. (Univ. Antwerp, U.I.A. Universiteitsplein 1, B-2610 Wilrijk, Belgium.)—*Sturnus vulgaris*.
- PRAWIRADILAGA, D. M. 1994. **Caching behavior of breeding Pied Currawongs *Strepera graculina*.** Austral. Bird Watcher 15: 275–276. (Div. Bot. Zool., Austral. Natl. Univ., Canberra, ACT 0200, Australia.)—Males are predominant cachers to feed mates and nestlings.—I.D.E.
- PRENDERGAST, H. D. V. 1993. **Crop contents of a Spotted Sandgrouse.** Adjutant 23: 47–49.—*Pterocles senegallus*.
- RANDALL, R. D. 1994. **Raptors and storks feeding on alate termites.** Babbler 28: 42. (P.O. Box 266, Kasane, Botswana.)
- RODRIGUES, M., S. M. R. ALVARES, & C. G. MACHADO. 1994. **Foraging behavior of the White-collared Foilage-Gleaner (*Anabazenops fuscus*), a bamboo specialist.** Ornitol. Neotrop. 5: 65–67. (Depto. Zool., Univ. Estadual Campinas, C. P. 6109, Campinas 13081, SP, Brazil.)
- ROGERS, R. W., D. BUTLER, & J. CARNELL. 1994. **Dispersal of germinable seeds by Emus in semi-arid Queensland.** Emu 94: 132–134. (Bot. Dept., Univ. Queensland, Qld. 4072, Australia.)—*Dromaius novaehollandiae* likely to be a significant dispersal vector for herbaceous species.—S.R.P.
- ROPER, T. J. 1993. **Effects of novelty on taste-avoidance learning in chicks.** Behaviour 125: 265–281. (School Biol. Sci., Univ. Sussex, Brighton BN1 9QG, UK.)—Experiments with domestic chicks (*Gallus gallus spadiceus*).—T.B.J.
- RUPRECHT, A. L. 1993. [**Winter food composition of Barn Owl *Tyto alba guttata* (C.L. Br) from the Słońsk reservoir (West Poland).**] Przegł. Przyr., 4(2): 41–48. (ul. Polna 12A/27, 87-720 Ciechocinek, Poland.)—Rodents 40%, the most common was *Microtus oeconomus*; among insectivorous, the most common was *Sorex araneus*. (Polish, Engl. summ.)—J.P.
- SAGE, B. 1995. **Great Blue Herons *Ardea herodias* and Magnificent Frigatebirds *Fregata magnificens* feeding on young turtles.** Bull. Brit. Ornithol. Cl. 115: 68. (Waveney House, Waveney Close, Wells-next-the-Sea, Norfolk NR23 1HU, UK.)
- SHKARAN, V. I. 1994. [**The diet of the House Sparrow.**] Berkut 3: 26. (L.D.Y. Biogeogr. Str., Volinska Region, 264648, Ukraine.)—*Passer domesticus* eats petals. (Ukrainian, Engl. summ.)—M.B.
- SMITH, R. D., & N. B. METCALFE. 1994. **Age, sex and prior site experience have independent effects on the foraging success of wintering Snow Buntings.** Behaviour 129: 99–111. (Applied Ornithol. Unit, Dept. Zool., Univ. Glasgow, Glasgow G12 8QQ, UK.)—Field observations of *Plectrophenax nivalis*.—T.B.J.
- TRÉCA, B. 1994. [**Pythons eating ducks.**] Malimbus 16: 123–124. (ORSTOM, BP 1386, Dakar, Sénégal.)—Stomachs of 2 out of 5 *Python sebae*, drowned in nets, contained *Anas acuta*. (French.)—P.W.P.B.
- VAN TETS, G. F. 1994. **Do cormorants eat freshwater mussels? If not what does?** Emu 94: 127–128. (CSIRO Div. Wildl. Ecol., P.O. Box 84, Lyneham, ACT 2602, Australia.)—Inferred opening and consumption of freshwater mussels by *Phalacrocorax* spp. can be explained by several other means.—S.R.P.

- WILLIS, E. O., & Y. ONIKI. 1992. [Birds and legionary ants.] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 123–150. (Depto. Zool., UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.)—Review of birds following army ants in the neotropics and *Dorylus* ants in Africa. (Portuguese, Engl. summ.)—Y.O.
- YALDEN, D. W. 1994. A note on the diet of Barn Owls *Tyto alba* at Djoudj, Senegal. Malimbus 16: 53–55. (Dept. Envir. Biol., The Univ., Manchester M13 9PL, UK.)—Analysis of 79 prey items collected 18 & 23 Mar. 1992 show predominance of the Multimammate Rat *Mastomys natalensis*.—P.W.P.B.
- YAMADA, K. 1994. [Feeding behavior and territoriality according to prey types and habitats in the Little Egret *Egretta garzetta*.] Japan. J. Orn. 42: 61–75. (Dept. Biol., Joetsu Univ. Educ., Joetsu, Niigata 943, Japan.)—Feeding behavior and territoriality were variable depending on the prey type and its distribution. (Japanese, Engl. summ.)—Y.E.
- YANG, X., X. WEN, & L. YANG. 1994. [Feeding activity of Lady Amherst's Pheasant (*Chrysolophus amherstiae*) in captivity.] Zool. Res., Kunming 15: 49–54. (Kunming Inst. Zool., Kunming, Yunnan 650223, P.R. China.) (Chinese, Engl. summ.)

HYBRIDS

- GRANT, P. R., & B. R. GRANT. 1992. Hybridization of bird species. Science 256: 193–197. (Dept. Ecol. & Evol. Biol., Princeton Univ., Princeton, NJ 08544 USA.)—Longitudinal study of *Geospiza* finches on a Galápagos island shows that hybrids exhibit higher fitness than the parental species over several years.—G.S.
- HE JIALU, ET AL. 1993. [Notes on some natural hybrids of *Chrysolophus amherstiae* and *C. pictus* from Dayi County, Sichuan.] Zool. Res. 14(3): 240. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.)—Morphological information on 3 natural male hybrids of Lady Amherst and Golden pheasants. (Chinese.)—J.L.M.

BIRD PESTS AND GAMEBIRD MANAGEMENT

- CHARLEZ, A. 1993. [Legal status of game in captivity.] Bull. Mens. O.N.C. 175: 37–39. (French.)
- MOONEY, N. 1993. A surfeit of goshawks. Austral. Raptor Assoc. News 14: 4. (Box 33, Huonville, Tas. 7109, Australia.)—The relocation of trapped Grey Goshawks *Accipiter novaehollandiae* is described.—V.T.S.
- PAGANIN, M., ET AL. 1993. [Influence of diet and experience on survival of Rock Partridges *Alectoris graeca* released in the wild.] Suppl. Ric. Biol. Selvaggina 21: 669–676. (Allevamento Urogallo, Contra Bosco, 36012 Asiago, Vicenza, Italy.) (Italian, Engl. summ.)
- SAINI, H. K., & H. S. TOOR. 1991. Feeding ecology and damage potential of Feral Pigeons, *Columba livia*, in an agricultural habitat. Gerfaut 81: 195–206. (Dept. Zool., Punjab Agric. Univ., Ludhiana—141 004, India.)

GENERAL BIOLOGY—AFROTROPICAL

- AKINPELU, A. I. 1994. Breeding seasons of three estrildid species in Ile-Ife, Nigeria. Malimbus 16: 94–99. (Dept. Zool., Obafemi Awolowo Univ., Ile-Ife, Nigeria.)—Relates meteorological data to breeding measured by dates of 401 active nests of *Lonchura cucullata*, *L. bicolor*, and *Estrilda melpada*, 1987–1990.—P.W.P.B.
- ALEXANDER-MARRACK, P. 1994. Notes on a breeding colony of the African River Martin *Pseudochelidon eurystomina* in Gabon. Malimbus 16: 1–9. (van Alkemadeaan 350/401, 2597 AS Den Haag, Netherlands.)—Habitat, chronology, display, calls, daily movements, nest-holes and materials, food, nestlings and predation at a colony of up to 600 birds during 7 weekends in late 1989.—P.W.P.B.
- BORELLO, W. D., & R. M. BORELLO. 1994. Aggregation of Bradfield's Hornbill *Tockus bradfieldi* in north-east. Botswana. Babbler 28: 15. (P.O. Box 603, Gaborone, Botswana.)—Nomadic flock.—N.J.S.
- BREWSTER, C. A. 1994. Apparent influx of several species to the Tswapong South area of east Botswana in the 1993/94 summer. Babbler 28: 35–36. (P.Bag 002, Sefhare, Botswana.)—*Coturnix delegorguei*, *Turnix sylvatica*, *Rhinoptilus cinctus*, *Rhinoptilus chalcopterus*, *Caprimulgus pectoralis*, *Mirafra passerina* in response to heavy rains Nov.–Feb.—N.J.S.
- CLANCEY, P. A. 1992–1993. The Ground Thrush *Zoothera guttata* (Vigors 1831) in the southern Afrotropics. Gerfaut 82–83: 45–50. (Durban Nat. Sci. Mus., P.O. Box 4085, Durban 4000, S. Africa.)
- CRICK, H. Q. P. 1993. Population density of Red-throated Bee-eaters *Merops bullocki* in a pristine habitat. Malimbus 15: 61–67. (Zool. Dept., Aberdeen Univ., Tillydrone Ave., Aberdeen AB9 2TN, UK.)—Colony dispersion, size, and habitat in Yankari Game Reserve, Nigeria, in 1978–1981, where densities were up to 50–90 birds/sq. km.—P.W.P.B.
- DIOP, M. S., & B. TRÉCA. 1993. [Artificial nest boxes used by the Red-beaked Hornbill *Tockus erythrorhynchus*.] Malimbus 15: 81–88. (ORSTOM, BP 1386, Dakar, Sénégal.)—Breeding habits, territoriality and breeding success of birds using 7 nest boxes (described) in 1991. (French, Engl. summ.)—Red-billed Hornbill.—P.W.P.B.
- DOWSETT, R. J. 1993. A long-lived Common Bulbul *Pycnonotus barbatus* in Nigeria. Malimbus 15: 95–96. (12 rue des Lavandes, F-34190 Ganges, France.)
- HERREMANS, M., & D. HERREMANS-TONNOEYR. 1994. Concentrations of Bradfield's Hornbill *Tockus bradfieldi* in north. Botswana. Babbler 28: 36–37. (P.O. Box 131, Gaborone, Botswana.)—Jul. 1994.—N.J.S.

- HERREMANS, M., & D. HERREMANS-TONNOEYR. 1994. **Influx of Dickinson's Kestrel *Falco dickinsoni* in north. Botswana in winter 1994.** *Babbler* 28: 29–30. (P.O. Box 131, Gaborone, Botswana.)—South. winter Jun.–Jul.—N.J.S.
- HERREMANS, M., & D. HERREMANS-TONNOEYR. 1994. **Large numbers of *Milvus* kites in Botswana in early 1994.** *Babbler* 28: 23–25. (P.O. Box 131, Gaborone, Botswana.)—Roadside counts of *Milvus migrans parvus* and *M. m. migrans*—N.J.S.
- HERREMANS, M., & D. HERREMANS-TONNOEYR. 1994. **Regional and temporal variation in the relative abundance of Blackshouldered Kites *Elanus caeruleus* in Botswana.** *Babbler* 28: 33–35. (P.O. Box 131, Gaborone, Botswana.)
- HERREMANS, M., ET AL. 1994. **Mortality of swallows and swifts in the Okavango during a mega cold spell.** *Babbler* 28: 16–17. (P.O. Box 131, Gaborone, Botswana.)—Night air-frosts 28 Jun.–5 Jul. 1994 affected 4 swallow species and the Palm Swift *Cypsiurus parvus*.—N.J.S.
- HERREMANS, M., L. RUTINA, & D. HERREMANS-TONNOEYR. 1994. **Evidence for substantial movements of Helmeted Guineafowl *Numida meleagris* in the north. Chobe district.** *Babbler* 28: 20–22. (P.O. Box 131, Gaborone, Botswana.)
- MORAKE, B. 1994. **Breeding success of Blackheaded Heron *Ardea melanocephala* and Cattle Egret *Bubulcus ibis* at Phakalane sewage ponds.** *Babbler* 28: 7–13. (P.O. Box 131, Gaborone, Botswana.)—10 km NE of Gaborone.—N.J.S.
- RANDALL, R. 1994. **Natal Francolin *Francolinus natalensis* consorting with Redbilled Francolin *Francolinus adspersus* along the Chobe.** *Babbler* 28: 13–14. (P. Bag K14, Kasane, Botswana.)
- RANDALL, R., M. HERREMANS, & D. HERREMANS-TONNOEYR. 1994. **Massive influx of Broadtailed Paradise Whydahs *Vidua obtusa* in far northeast Botswana in 1994.** *Babbler* 28: 18–20. (P.O. Box 266, Kasane, Botswana.)—Jan. & Feb.—N.J.S.
- SOROCZYNSKI, M. 1994. **An account of Secretary Birds *Sagittarius serpentarius* breeding in Jwaneng Game Park.** *Babbler* 28: 30–32. (P.O. Box 371, Jwaneng, Botswana.)
- TRIPLET, P., ET AL. 1993. **On the laying period of the Egyptian Goose *Alopochen aegyptiacus* in the delta of the River Senegal.** *Malimbus* 15: 94–95. (ONC-CNERA Avifaune Migratrice, F-85340 Ile d'Olonne, France.)
- VUILLEUMIER, F., & A. ANDORS. 1993. **Avian biological relationships between Africa and South America.** Pp. 289–328 in: *Biological Relationships between Africa and South America*, Peter Goldblatt, ed., Yale Univ. Press, New Haven and London. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Taxonomic, ecological, and trophic comparisons of both Recent and fossil birds of the two continents, with analysis of vicariant distribution patterns.—R.T.C.
- GENERAL BIOLOGY—ANTARCTIC**
- HULL, C., R. CARTER, & M. D. WHITEHEAD. 1994. **Aspects of the breeding chronology and success of the Antarctic Skua *Catharacta maccormicki* at Magnetic Island, Prydz, Antarctica.** *Corella* 18: 37–40. (2 Honeyeater Ln., Maleny, Qld. 4552, Australia.)—Abundant food reduces sibling aggression.—I.D.E.
- GENERAL BIOLOGY—AUSTRALASIAN**
- AUSTIN, J., & M. EDMUNDS. 1994. **Hatching success of the Short-tailed Shearwater *Puffinus tenuirostris* in two Tasmanian colonies.** *Corella* 18: 44–46. (Dept. Zool., Univ. Tas., G.P.O. Box 252C, Hobart, Tas. 7001, Australia.)—Considerable variation between colonies and years.—I.D.E.
- BOWMAN, D. M. J. S., J. C. Z. WOJNARSKI, & J. RUSSELL-SMITH. 1994. **Environmental relationships of Orange-footed Scrubfowl *Megapodius reinwardt* nests in the Northern Territory.** *Emu* 94: 181–185. (Conserv. Comm. NT, P.O. Box 496, Palmerston, NT 0831, Australia.)—Nests strongly associated with coastal monsoon rainforest patches which suggests potential for the use of extinct nests as indicators of environmental change.—S.R.P.
- BRIDGES, L. 1994. **Breeding biology of a migratory population of the Rufous Whistler *Pachycephala rufiventris*.** *Emu* 94: 106–115. (2/40 Templeton St., Cook, ACT 2614, Australia.)
- BRYANT, S. L. 1994. **Habitat and potential diet of the Ground Parrot in Tasmania.** *Emu* 94: 166–171. (Pks. Wildl. Serv., G.P.O. Box 44A, Hobart, Tas. 7001, Australia.)—Graminoid heathland and sedgeland comprise the habitat and Restionaceae species probably most of the diet of *Pezoporus w wallicus*.—S.R.P.
- CAMPBELL, J. 1994. **A preliminary report on longevity records for waders in Australia.** *Stilt* 24: 26. (3/19 Sydney St., Murrumbidgee, Vic. 3163, Australia.)—Longest elapsed time between banding and recovery for 16 species.—I.D.E.
- LANE, S. G. 1994. **Nesting of the Eastern Rosella *Platycercus eximius*.** *Corella* 18: 90. (Lot 6, Fairview Rd., Moonee via Coffs Harbour, NSW 2450, Australia.)—Field observations of artificial nesting hollows.—I.D.E.
- MCFARLAND, D. C. 1994. **Notes on the Lord Howe Currawong *Strepera graculina crissalis*.** *Austral. Bird Watcher* 15: 310–313. (15 Currong St., Kenmore, Qld. 4069, Australia.)—Abundance and possible relationship with *Tricholimnas sylvestris* numbers.—I.D.E.
- MOFFAT, M., & E. O. MINOT. 1994. **Distribution and abundance of forest birds in the Ruamahanga Ecological Area, North Island, New Zealand.** *New Zealand J. Zool.* 21: 135–150. (Dept. Ecol., Massey Univ., Palmerston North, New Zealand.)—Monthly point counts of birds were taken over 2.5 years. Plant species composition was a better predictor of

- bird species composition than was forest structure.—E.O.M.
- NICHOLLS, D. G., M. D. MURRAY, & C. J. R. ROBERTSON. 1994. **Oceanic flights of the Northern Royal Albatross *Diomedea epomophora sanfordi* using satellite telemetry.** *Corella* 18: 50–52. (Frankston Coll. TAFE, Fletcher Rd., Frankston, Vic. 3199, Australia.)—Test of barometric, pitch and roll sensors.—I.D.E.
- OGDEN, J. 1994. **Population size of the Wedge-tailed Shearwater *Puffinus pacificus* population in *Pisonia grandis* forest on Heron Island in 1992.** *Emu* 94: 65–68. (Sch. Biol. Sci., Auckland Univ., Auckland, New Zealand.)—Population estimated at 16,503 pairs, similar to 1985 estimate which was double most previous estimates.—S.R.P.
- SAGE, B. 1994. **Mixed honeyeater flocks in Northern Queensland.** *Austral. Bird Watcher* 15: 260–264. (Waveney House, Waveney Close, Wells-next-the-Sea, Norfolk NR23 1HU, UK.)—High specific and generic diversity in flocks feeding on invertebrates.—I.D.E.
- SURMAN, C. A. 1994. **Some observations on the timing of breeding of seabirds on Pelsaert Island, Western Australia.** *Corella* 18: 41–43. (Sch. Biol. Environ. Sci., Murdoch Univ., Murdoch, WA 6150, Australia.)—Laying, hatching and incubation periods for ten species.—I.D.E.
- TAYLOR, G. 1994. **Recapture of 2-year-old Chatham Petrel at natal colony.** *Notornis* 41: 145–146. (Threatened Species Unit, Dept. Conserv., P.O. Box 10420, Wellington, New Zealand.)—Youngest age of return to a natal colony for a *Pterodroma* petrel is apparently this record for *P. axillaris*.—E.O.M.
- TAYLOR, P. 1994. **Observations on nesting White-browed Robins.** *Austral. Bird Watcher* 15: 328–331. (Lot 21, Westlake Dr., The Leap, Qld. 4740, Australia.)—Daily observations of *Poecilodryas superciliosa* throughout entire nesting cycle.—I.D.E.
- GENERAL BIOLOGY—INDOMALAYAN**
- BALACHANDRAN, S. 1990. **Studies on the coastal birds of Mandapam and the neighbouring islands (peninsular India).** Ph.D. Thesis (Ctr. Advanced Studies in Mar. Biol., Annamalai Univ., Parangipettai 608 502, India.)—Status, habitat preference, population size, density, diversity and moult pattern were discussed for 22 species of waders. Site fidelity and flock fidelity of certain species of birds were proved by repeated recovery and recapture. Some subspecies of polytypic species of waders were identified. The study provides baseline information on the avifauna for the new Marine National Park.—S.A.R.
- BALASUBRAMANIAN, P. 1990. **Plant-animal interrelations at Point Calimere Sanctuary.** Ph.D. Thesis (Botany), Univ. Bombay, India.—Frugivory and seed dispersal by birds of the Tropical Dry Evergreen Type forest were discussed. Interrelationships between 64 species of fleshy-fruited plants, and 20 species of fruit-eating birds were described. The birds were grouped into legitimate seed dispersers, seed predators, and fruit thieves depending on their fruit-eating behavior. Among the birds, White-browed Bulbul *Pycnonotus luteolus* visited the largest number of plant species, and among the bird-plant species studied *Salvadora persica*, *Manilkara hexandra*, and *Ficus tsjakela* were visited by more than 10 frugivores. Management recommendations were suggested to enrich the Sanctuary with more birds and plants.—S.A.R.
- BECKING, J. H. 1994. **On the biology and voice of the Javan Scops Owl *Otus angelinae*.** *Bull. Brit. Ornithol. Cl.* 114: 211–224. (Ericalaan 7, 6703 EM Wageningen, Netherlands.)—First detailed study of begging response and feeding of young.—L.G.G.
- DAI BO, ET AL. 1993. **[Avifauna regionalization of the Galliformes in Sichuan, China.]** *Sichuan J. Zool.* 12(3): 18–19. (Chinese.)
- HOU GONGZHOU, ET AL. 1993. **[A brief report on investigation of number, and habitat environment of *Aquila chrysaetos* in Lishan Natural Reserve Shanxi Province.]** *Sichuan J. Zool.* 12(3): 43. (Chinese.)—Golden Eagle.
- JEPSON, P., & J. J. BRINKMAN. 1993. **Notes on a mixed woodpecker flock at Bukit Barisan Selatan National Park, Lampung Sumatra.** *Kukila* 6: 135. (ICBP Indonesia Programme, P.O. Box 310, Bogor 16003, Indonesia.)—*Picus mentalis*, *P. miniaecus*, *Dinopium rafflesii*, *Meiglyptes tukki*, and *Reinwardtipicus validus* seen in close association.—I.A.W.M.
- KUMAR, A., & M. K. SEBASTIAN (EDS.). **Salim Ali Centre for Ornithology and Natural History.** Annual Report 1992–93. (Kalampalayam, Coimbatore—641 010 India.)—SACON's Annual Rept. for 1992–93. Includes summaries of 16 on-going projects.
- LAMBERT, F., & P. ERFTEMEIJER. 1989. **The waterbirds of Pulau Rambut, Java.** *Kukila* 4: 109–118. (15 Bramble Rise, Brighton BN1 5GE, UK.)—Results of surveys of Pulau Rambut, one of the most important waterbird breeding sites in Java.—I.A.W.M.
- LI GUIYUAN, ET AL. 1993. **[Nest and egg of Passeriformes in Sichuan.]** *Sichuan J. Zool.* 12(3): 20–26. Summary data on the nests and eggs of 51 species occurring in Sichuan are listed. (Chinese.)
- MA MING, BATUERHAN, & LU JIANJIAN. 1993. **[The population density and breeding of Black Stork (*Ciconia nigra*) in southern Xinjian.]** *Zool. Res.* 14(4): 374. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.) (Chinese.)
- MANAKADAN, R. 1992. **Ecology of waterbirds of Point Calimere Sanctuary with special reference to impact of salt works.** Ph.D. Thesis (Zoology), Univ. Bombay, India.—Species composition, status, abundance and the spatio-temporal variations of waterbirds in relation to different habitats, especially nat-

ural and altered habitats (salt pans) were discussed in detail. Population size and habitat utilization of both Greater *Phoenicopterus roseus* and Lesser *Phoeniconaias minor* flamingos were dealt with. Both the positive and negative impacts of salt works on the avifauna were discussed along with management recommendations.—S.A.R.

SUNDARAMOORTHY, T. 1991. **Ecology of terrestrial birds in Keoladeo National Park, Bharatpur** Ph.D. Thesis (Zoology), Univ. Bombay, India.—A total of 157 species of terrestrial birds were recorded in 6 habitat types. Species richness, diversity and dominance index and the population structure of the bird community were worked out based on the Fourier Series Model. A maximum of 51 species of birds were recorded to breed in the Park, the breeding seasonality of which is correlated to different biotic and abiotic factors. The study emphasised the need to conserve the various micro-habitats to improve the bird species diversity.—S.A.R.

GENERAL BIOLOGY—NEOTROPICAL

- ARGEL-DE-OLIVEIRA, M. M. 1994. [Family *Mimidae*.] Bol. CEO 10: 3–15. (Av. Irerê 198, 04064-000 São Paulo, SP, Brazil.)—Brief comments on 34 species. (Portuguese.)—Y.O.
- BÓ, N. A., & C. A. DARREIEU. 1993. [Freshwater fauna of the Argentine Republic (Vol. 43 Aves, Fascículo 1B Ciconiiformes).] PROFADU (CONICET), 59 pages. (Programa Fauna Agua Dulce, Mus. La Plata, Paseo del Bosque, La Plata, Argentina.)—Discusses plumage, morphology, distribution, and habits of Argentine egrets, herons, storks, and bitterns. (Spanish.)—R.T.C.
- BÓ, N. A., C. A. DARREIEU, & A. R. CAMPERI. 1995. [Freshwater fauna of the Argentine Republic, Vol. 43, Fasc. 4C. Charadriiformes: Laridae and Rynchopidae.] PROFADU (CONICET), 47 pp. (Mus. La Plata, Paseo del Bosque, La Plata, Argentina.)—Detailed species accounts, with data on plumages, morphology, distribution, habitat, behavior, diet, and common names of Argentine gulls and skimmers; also family and genus-level information. (Spanish.)—R.T.C.
- BOTERO, J. E. 1995. [Does the Blue-winged Teal summer in Colombia?] Bol. SAO 5(10): 4–7. (Dept. Wildl. Ecol., Univ. Wisconsin, Madison, WI 53706 USA.)—*Anas discors*; discusses information from banding recoveries of hunted birds, and urges protection of Colombian wetlands. (Spanish.)—R.T.C.
- CARDOSO DA SILVA, J. M. 1995. **Seasonal distribution of the Lined Seedeater *Sporophila lineola***. Bull. Brit. Ornithol. Cl. 115: 14–21. (Zool. Mus. Univ. Copenhagen, 2100 Copenhagen, Denmark.)—Wintering and breeding areas, possible migratory routes, patterns and timing of migration.—L.G.G.
- CHIPLEY, R. M. 1991. **Notes on the biology of the Bridled Quail-Dove (*Geotrygon mystacea*)**. Caribb. J. Sci. 27: 180–184. (Nature Conserv., 1815 N. Lynn St., Arlington, VA 22209 USA.)—Breeding behavior studied on Guana Island, British Virgin Islands, from 1984–1987.—R.B.
- CUADROS, T. 1995. [On an ancient family of musicians.] Bol. SAO 5(10): 43–46. (Univ. Nac. Colombia, Medellín, Colombia.)—Notes on songs of wrens (Troglodytidae). (Spanish.)—R.T.C.
- DE MAGALHÃES, J. C. R. 1994. [On some Brazilian forest Tinamidae.] Bol. CEO 10: 16–26. (ADEMASP, Rua Pedroso de Alvarenga, 1245, 4o. andar, São Paulo, SP, Brasil.)—Ten species found at Rio Peixoto de Azevedo, Mato Grosso: comments on habitat, habits, breeding season. (Portuguese.)—Y.O.
- GODINEZ, E., & P. BLANCO. 1993. [Nest of *Dives atrovioletacea* (Icteridae) in man-made habitat.] Ornitol. Neotrop. 4: 95–96. (Inst. Ecol. Sist., Acad. Cienc. Cuba, A. P. 8010, C. P. 10800, Habana 8, La Habana, Cuba.) (Spanish.)—Cuban Blackbird.
- KIRK, D. A., & J. E. P. CURRALL. 1994. **Habitat associations of migrant and resident vultures in central Venezuela**. J. Avian Biol. 25: 327–337. (J.E.P.C., Computing Serv., Univ. Glasgow, Glasgow G12 8QQ, UK.)—Spatial and temporal differences in habitat associations of *Coragyps atratus brasiliensis*, *Cathartes burrovianus*, *C. aura ruficollis*, *C. a. meridionalis*, and *Sarcoramphus papa*.—R.T.B.
- KRABBE, N. 1995. [Help for birds that nest in holes.] Bol. SAO 5(10): 11–12. (Casilla 17-21-791, Quito, Ecuador.)—Successful use of nest boxes. (Spanish.)—R.T.C.
- LAGO-PAIVA, C. 1994. [Notes on the occurrence and distribution of *Eudocimus ruber* (L., 1758) (Aves, Threskiornithidae) in the state of São Paulo.] Acta Biol. Leopoldensia 16: 119–124. (C. P. 91, 13.400-970 Piracicaba, SP, Brasil.)—Local history and environmental change analyzed for possible guidelines for a management plan for Scarlet Ibises. (Portuguese, Engl. summ.)—Y.O.
- NAVAS, J. R. 1995. [Freshwater fauna of the Argentine Republic, Vol. 43, Fasc. 1C. Ciconiiformes: Threskiornithidae and Phoenicopteridae.] PROFADU (CONICET) 53 pp. (Mus. Arg. Cienc. Nat., Angel Gallardo 470, Buenos Aires, Argentina.)—Detailed species accounts, with data on plumages, morphology, distribution, habitat, behavior, diet, and common names of Argentine ibises, spoonbills, and flamingoes; also family and genus-level information. (Spanish.)—R.T.C.
- NAVAS, J. R., & N. A. BÓ. 1994. [Notes on the distribution and nesting of some species of the genera *Agriornis*, *Xolmis*, *Neoxolmis*, and *Muscisaxicola* (Aves, Tyrannidae).] Rev. Mus. Arg. Cienc. Nat. "Bernardino Rivadavia" 16(7): 81–96. (Mus. Arg. Cienc. Nat., Angel Gallardo 470, Buenos Aires, Argentina.)—New distributional information on 15 species, with additional data on reproductive condition, body weight, and measurements. (Spanish, Engl. summ.)—R.T.C.

- PACCAGNELLA, S. G., ET AL. 1994. [Observations on *Pipile jacutinga* Spix, 1825 (Aves, Cracidae) in Carlos Botelho State Park, São Paulo, Brazil.] Iheringia, ser. Zool., Porto Alegre 76: 29–32. (SPVS, Rua Gutemberg 345, 80420-030 Curitiba, PR, Brasil.)—Notes on habitat and movement patterns of Black-faced Piping-Guan. (Portuguese, Engl. summ.)—Y.O.
- PACHECO, J. F. 1994. [The interesting *Parabuteo unicinctus* in Brazil. A rare hawk?] Atual. Ornitol. 61: 13. (Depto. Zool., UFRJ, Lab. Ornitol., 21944-970, Cidade Univ., Rio de Janeiro, RJ, Brasil.)—Reviews literature and specimens of the Bay-winged Hawk, a cooperative hunter in São Paulo and Rio de Janeiro. (Portuguese.)—Y.O.
- PACHECO, J. F. 1995. [The Psittacidae of the Mamirauá Ecological Station, Amazonas.] Atual. Ornitol. (63): 3. (Dep. Zool., UFRJ, 21944-970 Rio de Janeiro, RJ, Brasil.)—Reviews the status of 19 species, with notes on ecology. (Portuguese.)—Y.O.
- PÉREZ-RIVERA, R. A. 1992. [Nests, eggs, and broods of the Puerto Rican Jilguero (*Euphonia musica sclateri*).] Caribb. J. Sci. 28: 235–238. (Dept. Biol., Univ. Puerto Rico, Humacao, PR 00791 USA.) (Spanish.)
- PIZO, M. A. 1994. [Bromeliad use by Atlantic forest birds at Fazenda Intervalles in southeastern Brazil.] Bromelia (4): 3–7. (Dep. Zool., C. P. 6109, UNICAMP, 13083-970 Campinas, SP, Brasil.)—24 species using bromeliads. (Portuguese, Engl. summ.)—Y.O.
- QUESNEL, V. C. 1995. The case history of an aberrant Black-throated Mango Hummingbird *Anthracothorax nigricollis*. Bull. Brit. Ornithol. Cl. 115: 25–27. (P.O. Box 47, Port of Spain, Trinidad.)—Observations at several nests, 1989–1992, of a female with a male plumage.—L.G.G.
- RAMIREZ G., M. G., & J. C. ARIAS G. 1994. [Reproductive activity of the hummingbird *Doryfera ludovicianae* in the Planada Natural Reserve.] Bol. SAO 5: 8–12. (Univ. Antioquia, A. A. 1226, Depto. Biol., Medellin, Colombia.) (Spanish.)—Green-fronted Lancebill.
- SKUTCH, A. F. 1995. [Nesting of *Trogon violaceus*.] Bol. SAO 5(10): 13–21. (Los Cusingos, Valle de El General, San Isidro, Costa Rica.)—Detailed observations on nesting of Violaceous Trogon at Los Cusingos reserve, Costa Rica, including data on excavation, incubation, and nestlings. (Spanish.)—R.T.C.
- THOMAS, B. T. 1994. Blue-tailed Emerald Hummingbird (*Chlorostilbon mellisugus*) nesting and nestling development. Ornitol. Neotrop. 5: 57–60. (Waterfield, Rte. 1, Box 212-C, Castleton, VA 22716 USA.)
- TORRES BÁEZ, P., & J. A. COLLAZO. 1992. [Breeding biology and preliminary growth pattern data for the Puerto Rican Flycatcher (*Myiarchus antillarum*) at Cabo Rojo, Puerto Rico.] Caribb. J. Sci. 28: 30–37. (USF&WS, Caribb. Field Off., Boquerón, PR 00622 USA.)—Twenty-four nests studied during 1987 and 1989 had mean clutch size and number of young per nest as 4.6 and 3.3, respectively. (Spanish, Engl. summ.)—R.B.
- VUILLEUMIER, F. 1994. Nesting, behavior, distribution, and speciation of Patagonian and Andean ground tyrants (*Myiotheretes*, *Xolmis*, *Neoxolmis*, *Agriornis*, and *Muscisaxicola*). Ornitol. Neotrop. 5: 1–56. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Biology of six poorly known ground tyrants, with particular attention to patterns of sympatry, parapatry, allopatry, and reproductive isolation; apparent first nesting records for *Neoxolmis rubetra* and *Agriornis andicola*.—R.T.C.
- VUILLEUMIER, F. 1994. [Nesting and status of *Phrygilus fruticeti* (Aves, Emberizidae) in Chilean Patagonian: an example of the “species border” phenomenon?] Rev. Chil. Hist. Nat. 67: 299–307. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—Population fluctuations in Magallanes may correspond to the “species border” phenomenon. (Spanish, Engl. summ.)—R.T.C.
- WHITTAKER, A. 1995. Range extensions and nesting of the Glossy-backed Becard *Pachyramphus surinamus* in central Amazonian Brazil. Bull. Brit. Ornithol. Cl. 115: 45–48. (Proj. Dinamica Biol. Fragmentos Florestais, INPA Ecologia, C. P. 478, Manaus 69011-970, Amazonas, Brazil.)
- WILLIS, E. O. 1992. [Behavior and ecology of Barred Woodcreepers, *Dendrocolaptes certhia* (Aves, Dendrocolaptidae).] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 151–216. (Depto. Zool., UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.)—Central and South American subspecies show differences in foraging, apparently independent of the presence of large competitors. Much data on aggressive behavior, territoriality, nesting, mimicry, molt, and movements. (Portuguese, Engl. summ.)—Y.O.

GENERAL BIOLOGY—EUROPE

- CHEYLAN, G. 1994. [Report on the Bonelli's Eagle ringing program for 1994.] Faune de Provence 15: 73–74. (Mus. Hist. Nat., 6 rue Espariat, 13100 Aix en Provence, France.) (French.)—*Hieraetus fasciatus*.
- CICHOCKI, W., & P. MIELCZAREK. 1993. [The occurrence and numbers of the Dipper, *Cinclus cinclus*, and of the Grey Wagtail, *Motacilla cinerea*, in the Tatra National Park.] Chrońmy Przyr. Ojczystą 49: 54–61. (Muzeum Tatrzańskie im. dra Tytusa Chałubińskiego, Zakopanae, Poland.) (Polish, Engl. summ.)
- DANKO, Š, ET AL. 1994. The state of knowledge of breeding numbers of birds of prey (Falconiformes) and owls (Strigiformes) in the Czech and Slovak republics as of 1990 and their population trends in 1970–1990. Buteo 6: 1–89. (Zemplínske Mus., 070 01 Michalovce, Slovak Republic.)—Pre-

- sents estimates of numbers of breeding pairs of 20 and 10 species of Falconiformes and Strigiformes respectively, including maps of geographical distribution. (Slovak & Engl.)—P.V.
- DEL MARMOL, P. 1992-1993. [Recovery results of Moorhens, *Gallinula chloropus* and other Rallidae, ringed in Belgium.] *Gerfaut* 82-83: 1-23. (Montaigle, B-5522 Falaën, Belgium.)—Other Rallidae: *Rallus aquaticus*, *P. porzana*, *P. parva*, *P. pusilla*, & *C. crex*. (French, Engl. summ.)—J.I.
- DOLENEC, Z. 1994. Nest structure and egg-characteristics of the Blackcap (*Sylvia atricapilla*) in a region of Croatia. *Vogelwarte* 37: 304-305. (Mokrice 132, 41243 Oroslavje, Croatia-Hrvatska.)
- EASTON, A. C. 1994. Roof nesting by Common Terns in Lowestoft. *Suffolk Birds* 43: 18-19. (65 Stevens St., Lowestoft, Suffolk NR32 2JF, UK.)—*Sterna hirundo* on factory roof beside inner harbor.—N.J.S.
- FOKEN, W. 1994. [The ringing activities of the Institut für Vogelforschung "Vogelwarte Helgoland" from 1909 to 1992.] *Vogelwarte* 37: 247-252. (Inst. f. Vogelforschung, Am der Vogelwarte 21, D-26386 Wilhelmshaven, Germany.) (German, Engl. summ.)
- JARVINEN, A. 1994. The Bluethroat *Luscinia svecica svecica*, a characteristic bird of NW Finnish Lapland. *Kilpisjärvi Notes* 13: 4-16.—A summary of 30 years of research on Bluethroats at Kilpisjärvi Biological Station, giving information on success and timing of breeding, sex ratios, etc. (Finnish, Engl. summ.)
- LOREK, G., & A. STANKOWSKI. 1993. [Wheatear (*Oenanthe oenanthe*) nest under a sleeper in active railway track.] *Przegl. Przyr.* 4(4): 57-58. (ul. Kusza 26, 64-125 Poniec, Poland.) (Polish.)
- MATKOWSKI, M. 1993. [Late brood of Penduline Tit.] *Przegl. Przyr.*, 4/1/: 72. (Stacja Ornitologiczna "Świdwie", 72-003 Dobra Szczecińska, Poland.) *Remiz pendulinus*.—(Polish.)
- OLEKSIK, A. 1993. [Nesting of Ringed Plover (*Charadrius hiaticula*) and Little Tern (*Sterna albifrons*) at the Oder river near Szczecin (NW Poland).] *Przegl. Przyr.*, 4/1/: 70. (Stacja Ornitologiczna "Świdwie", 72-003 Dobra Szczecińska, Poland.) (Polish.)
- RYS, A. 1993. [*Matteucia struthiopteris* and *Motacilla cinerea* in Jasień and Tuplice communities (SW Poland).] *Przegl. Przyr.*, 4(4): 60-62.—13 pr. Grey Wagtails, 1.5 pr./km of river. (Polish.)—J.P.
- GENERAL BIOLOGY—N. AFRICA, MID-EAST, AND E. PALEARCTIC**
- AFANASYEV, V. T. 1994. [The biology of the Little Crane and Water Rail in the Sumy Region.] *Berkut* 3: 15-19. (Flat 59, Rabochaya St., Shostka, Sumy Region, CIS.)—Breeding biology of *Porzana parva* and *Rallus aquaticus*. (Russian, Engl. summ.)—M.B.
- ANDREEV, A. V. 1993. [Growth of the Bean Goose *Anser fabalis* in Lower Kolyma tundra.] *Russ. J. Ornithol.* 2: 443-456. (Inst Biol Problems of the North, Russian Academy of Sciences, Magadan, 685010, Russia.) (Russian, Engl. summ.)
- BABKIN, I. P. 1994. [Siskins nesting in Kharkov Region.] *Berkut* 3: 58. (Kharkov University, 4 Svobody Square, Kharkov, 310077, Ukraine.)—*Carduelis spinus*. (Ukrainian, Engl. summ.)
- BALATSKY, N. N. 1994. [The European Cuckoo *Cuculus canorus* as a brood parasite of the Chaffinch *Fringilla coelebs* and the Brambling *F. montifringilla* in East Europe.] *Russ. J. Ornithol.* 3: 53-58. (Mus. Regional Studies, Novosibirsk, 630004, Russia.) (Russian, Engl. summ.)
- BOKOTEY, A. A., ET AL. 1994. [The Fieldfare nesting in natural and urban habitats in West Ukraine.] *Berkut* 3: 22-26. (Museum, 18 Teatralna Rd., Lviv, 290008, Ukraine.)—Comparison of breeding biology in *Turdus pilaris*. (Ukrainian, Engl. summ.)—M.B.
- BUCHKO, B. B., & I. V. SKILSKY. 1994. [Observation of Herring Gulls overwintering in Northern Bukovina.] *Berkut* 3: 26. (No. 5, 4B, Stasyuka Rd., Chernivtsi Region, 274029, Ukraine.)—*Larus argentatus*. (Ukrainian, Engl. summ.)
- BUCHKO, V. V. 1994. [A case of Crane wintering in West Ukraine.] *Berkut* 3: 19. (No. 5, 4B, Stasyuka Rd., Chernivtsi Region, 274029, Ukraine.)—Sighting of *Grus grus*. (Ukrainian, Engl. summ.)—M.B.
- BUCHKO, V. V. 1994. [A case of the Common Gull nesting in West Ukraine.] *Berkut* 3: 19. (No. 5, 4B, Stasyuka Rd., Chernivtsi Region, 274029, Ukraine.)—Single nest of *Larus canus*. (Ukrainian, Engl. summ.)—M.B.
- CLAYDEN, C. N. 1993. *Birds of Bahrain*. *Adjutant* 23: 56.—Review of Nightingale, T. & M. Hill, *Birds of Bahrain*.
- DOMASHEVSKY, S. V. 1994. [Breeding and other behaviour of the Eagle Owl in the Lahemaa National Park.] *Berkut* 3: 54. (A. N. Ukraine Inst. Zool., 15 B. Khmel'nits St., Kiev-30 GSP, 252650, Ukraine.)—*Bubo bubo*. (Russian, Engl. summ.)
- GORBAN, I. M. 1994. [Unusual nest sites in the Linnet.] *Berkut* 3: 26. (Zool. Dept., Lviv Univ., 4 Gryushev Rd., Lviv, 290005, Ukraine.) (Ukrainian, Engl. summ.)—*Acanthis cannabina*.
- GRISHANOV, G. V. 1994. [Breeding birds of the Kaliningrad Region: territorial distribution and dynamics of numbers in XIX-XXth cent. I. Non-Passeriformes.] *Russ. J. Ornithol.* 3: 83-116. (Dept. Biol., Kaliningrad State Univ., Universitetskaya str, 2, Kaliningrad, 236040, Russia.) (Russian, Engl. summ.)
- GUZY, A. I. 1994. [Peculiarities of the breeding and autumn migrational bird population in oak-beech forests of Bukovina.] *Berkut* 3: 3-8. (292193, Ukraine.) (Ukrainian, Engl. summ.)
- IVANYUK, M. V. 1994. [Late nesting of the Swallow in Prycarpattia.] *Berkut* 3: 42. (9/3 L. Ukraine St., Vishnitsya, Chervivetska Region, 275640, Ukraine.)—*Hirundo rustica*. (Ukrainian, Engl. summ.)

- KONDRATYEV, A. V., & A. B. SOKOLOV. 1993. [Breeding of the King Eider *Somateria spectabilis* on the south-west coast of the Anadyr Bay.] Russ. J. Ornithol. 2: 427–429. (Inst. Biol. Problems of the North, Magadan, 685010, Russia.) (Russian, Engl. summ.)
- KOSENKO, S. M. 1994. [Interrelations of bee-eaters *Merops apiaster* and *M. superciliosus persicus* (Aves, Meropidae) in the lower reaches of the Atrek River (South-eastern Caspian coast) 3. Breeding capacity in the cases of joint and separate nesting.] Zool. Zh. 73: 105–109. ("Bryansky Les" Nature Reserve, Russia.) (Russian, Engl. summ.)—European and Blue-cheeked bee-eaters.
- KRETCHMAR, A. V. 1994. [Eurasian Wigeon (*Anas penelope*) in north-eastern Asia.] Zool. Zh. 73: 68–79. (Inst. Biol. Problems of the Northern Regions, Magadan, Russia.)—Details breeding biology. (Russian, Engl. summ.)—M.B.
- KRETCHMAR, E. A. 1993. [The breeding biology of the Little Bunting *Emberiza pusilla*.] Russ. J. Ornithol. 2: 415–426. (Lab. Ornithol., Inst. Biol. Problems of the North, Magadan, 685010, Russia.) (Russian, Engl. summ.)
- LONDEI, T. 1995. Field observations on the Azores Buzzard *Buteo buteo rothschildi*. Bull. Brit. Ornithol. Cl. 115: 48–53. (Dip. Biol., Univ. Milano, Via Celoria 26, 20133 Milano, Italy.)
- LOPAREV, S. A. 1994. [Observations of Great Shrikes in the north of Kiev region.] Berkut 3: 58. (Flat 203, 8 Vasilkov Street, Kiev, 252040, Ukraine.)—Great Grey Shrike *Lanius excubitor*. (Russian, Engl. summ.)
- RAMOS, J. A. 1994. Fern frond feeding by the Azores Bullfinch. J. Avian Biol. 25: 344–346. (Dep. Oceanogr. e Pesas, Univ. Azores, 9900 Horta, Fail, Azores, Portugal.)—*Pyrrhula murina*.
- ROGOVEY, Y. F. 1994. [Ecology of the White Stork in the Poltava Region.] Berkut 3: 20–21. (Poltava Region, 315964, Ukraine.)—Breeding biology of *C. ciconia*. (Ukrainian, Engl. summ.)—M.B.
- SHKARAN, V. I. 1994. [On hierarchy in tit flocks.] Berkut 3: 55. (L.D.Y. Biogeogr. Stn., Volinska Region, 264648, Ukraine.)—*Parus major*. (Ukrainian, Engl. summ.)
- SKILSKY, I. V., ET AL. 1994. [Ecology of Coots in the region between the Prut and Dniester.] Berkut 3: 9–14. (Flat 4, Bukovinska St., Chernivtsi, 274001, Ukraine.)—Nests and eggs of *Fulica atra* in the Chernivtsi region. (Ukrainian, Engl. summ.)—M.B.
- SOLOVJEV, A. N., V. N. SOTNIKOV, & V. V. PONOMAROV. 1993. [The Oystercatcher *Haematopus ostralegus longipes* on the east of the Russian Plain (Kirov Region).] Russ. J. Ornithol. 2: 431–441. (Mus. Local Lore, Kirov (Vyatka), 610000, Russia.) (Russian, Engl. summ.)
- SREBRODOLSKA, E. B. 1994. [Communal roosting of Starlings and Collared Doves in Lviv.] Berkut 3: 27–29. (Zool. Dept., Lviv Univ., 4 Gryushev Rd., Lviv, 290005, Ukraine.)—*Sturnus vulgaris*, *Streptopelia decaocto*. (Ukrainian, Engl. summ.)
- TAKEISHI, M., & K. EGUCHI. 1994. Nest-site characteristics in Black-billed Magpies *Pica pica sericea*. Japan. J. Ornithol. 42: 53–59. (Kitakyushu Mus. Nat. Hist., Kitakyushu 805, Japan.)
- TAMADA, K., & Y. FUJIMAKI. 1993. [Breeding biology of *Corvus corone* and *C. macrorhynchos* in central Hokkaido.] Japan. J. Ornithol. 42: 9–20. (Lab. Wildl. Ecol., Obihiro Univ. Agric. Vet. Med., Inaba, Obihiro 080, Japan.) (Japanese, Engl. summ.)

IDENTIFICATION

- LANE, S. G. 1994. Differentiating Crested and Lesser Crested Tern chicks. Corella 18: 48–49. (Lot 6, Fairview Rd., Moonee via Coffs Harbour, NSW 2450, Australia.)—Plumage, bill color and shape distinguish *Sterna bergii* from *S. bengalensis*.—I.D.E.
- WALL, J. R. D. 1989. On the pitfalls of identifying lesser known island endemics. Kukila 4: 152–153. (The British Embassy, Jakarta, Indonesia.)—Difficulties in identifying birds without adequate field guides, in this instance *Zoothera dohertyi* from the Lesser Sundas.—I.A.W.M.

MIGRATION AND ORIENTATION

- ALVAREZ, L. H. 1993. [Mortality of migratory birds colliding with a radio tower] Bol. SAO 4: 5–6. (Univ. Valle, A. A. 25360, Cali, Colombia.)—North temperate-breeding warblers and thrushes on migration in Colombia. (Spanish.)—R.T.C.
- BERTHOLD, P., E. NOWAK, & U. QUERNER. 1995. [Satellite-tracking of a migratory bird from Central Europe to S. African winter quarters: a case report of the White Stork.] J. Ornithol. 136: 73–76. (Vogelwarte Radolfzell, D-78315 Schloß Moegglingen, Germany.) (German, Engl. summ.)—*C. ciconia*.
- BEZZEL, E., & W. JETZ. 1995. [Delay of the autumn migratory period in the Blackcap (*Sylvia atricapilla*) 1966–1993—a reaction to "global warming"?] J. Ornithol. 136: 83–87. (Bayer. Landesanst. f. Bodenkultur u. Pflanzenbau, Inst. f. Vogelkunde, Gsteigstr. 43, D-88247 Garmisch-Partenkirchen, Germany.) (German, Engl. summ.)
- BIMPSON, A. 1994. Weather trends and their effect on the County's avifauna. Suffolk Birds 43: 23–25. (11 Butley Close, Ipswich, Suffolk, UK.)
- CREWE, M. 1994. Radar tracking of migrant birds. Suffolk Birds 43: 15–17. (3 Anglenook Cott., Bury Rd., Gt. Barton, Suffolk IP31 2SJ, UK.)
- DEL MARMOL, P. 1991. [Recovery results of Coots, *Fulica atra*, ringed in Belgium.] Gerfaut 81: 115–137. (Montaigle, B-5522 Falaën, Belgium.) (French, Engl. summ.)
- FRANSSON, T. 1995. Timing and speed of migration in north and west European populations of *Sylvia warblers*. J. Avian Biol. 26: 39–48. (Dept. Zool., Stockholm Univ., S-10691 Stockholm, Sweden.)—Analysis of ringing recoveries.—R.T.B.
- GREGORY-SMITH, R. 1993. Eastern Palearctic migrants

- to South-East Asia and Australasia. *Adjutant* 23: 41–46.—Summary of migration patterns from East Palearctic regions to SE Asia and Australasia.
- GRISHCHENKO, V. N. 1994. [Phenological maps in the study of bird migration.] *Berkut* 3: 30–37. (Kanev, Cherkassy Region, 258300, Ukraine.)—A methodological history. (Russian, Engl. summ.)—M.B.
- HALLCHURCH, T. T. 1993. **Ringing report 1992.** *Adjutant* 23: 50–55.
- HERREMANS, M. 1994. **Fifteen years of migrant phenology records in Botswana, a summary and prospects.** *Babbler* 28: 47–68. (P.O. Box 131, Gaborone, Botswana.)—Deals with Palearctic and intra-African migrants.—N.J.S.
- KÖHLER, P. 1994. [Movements of Gadwall (*Anas strepera*) from Central Europe: an evaluation of recoveries.] *Vogelwarte* 37: 253–269. (Korbinianplatz 1, D-85737 Ismaning, Germany.) (German, Engl. summ.)
- LIU DAJI, ET AL. 1993. [Migration and food of *Streptopelia orientalis* in Qingdao Region.] *Sichuan J. Zool.* 12(1): 45.—Spotted Dove. (Chinese.)
- MUNDLE, M., & C. LEVY. 1993. **Raptor migration in the West Indies: the Jamaican perspective 1980–1993.** *Gosse Bird Club Broadsheet* 61: 8–11. (Dept. Zoology, Univ. West Indies, Mona, Kingston 7, Jamaica, W.I.)
- NANKINOV, D. 1994. **Migration patterns of the teal (*Anas crecca* L.) through the Balkan Countries.** *Sitta* 6: 27–32.—Summarizes recoveries of Common Teal ringed in north. Eurasia. (Engl., Italian summ.)
- ROBINSON, I. 1994. **The exceptional passage of raptors at Minsmere in September 1993.** *Suffolk Birds* 43: 20–22. (Minsmere Reserve, Westleton, Saxmundham, Suffolk IP17 3BY, UK.)
- ROSELLI, A., & P. SPOSIMO. 1994. **Dartford Warbler, *Sylvia undata*, ringed in Italy and recovered in Tunisia.** *Vogelwarte* 37: 305–306. (Mus. Storia Nat., Via Roma I, 234-57127 Livorno, Italy.)
- VAN IMPE, J. 1994. [The recent increase of Yellow-browed Warbler and of Pallas's Warbler in Europe: Are vagrants really wandering birds?] *Oriolus* 60: 3–17. (Dr. Van de Perrelei, 51B, B-2140 Borgerhout, Belgium.)—*Phylloscopus inornatus* and *P. proregulus*. Corroborates Rabøls hypothesis (1969, 1976) of reversed migration, seems independent of high-pressure areas above Siberia. (Dutch, Engl. summ.)—J.V.I.
- VILLASENOR, J. F., & A. R. PHILLIPS. 1994. **A new, puzzling, American route of the Arctic Tern *Sterna paradisaea*, and its implications.** *Bull. Brit. Ornithol. Cl.* 114: 249–258. (Reforma 825-A, Col. Chapultepec, San Nicolas de los Garza 66450, Nuevo Leon, Mexico.)—Corrects previous errors, provides evidence for overland route to southwestern Mexico.—L.G.G.
- WEBER, W. 1995. [The return migration of Swainson's Hawk.] *Bol. SAO* 5(10): 22–25. (% SAO, A. A. 60010, Medellín, Colombia.)—*Buteo swainsoni*; based on observations and review of literature. (Spanish.)—R.T.C.

MISCELLANEOUS

- DONATELLI, R. J. 1993. [English common names for bird families, and the corresponding names in Portuguese.] *Bol. CEO* 9: 11–35. (Depto. Ciênc. Biol., Fac. Ciênc. UNESP, Campus de Bauru, CEP 17033-360, Brasil.) (Portuguese.)
- ONIKI, Y. 1994. [Who uses hummingbird feeders?] *Atual. Ornitol.* 62: 2. (UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.)—Feeders shared by wasps and bees during the day and by bats at night. (Portuguese.)—Y.O.

MORPHOLOGY, PHYSIOLOGY, MOULT AND DEVELOPMENT

- ABE, S. A., ET AL. 1995. [Torpor and energetic cost in eastern Brazilian hummingbirds.] *Bol. Mus. Biol. Mello Leitão* (n. sér.) 2: 3–13. (Dep. Zool., UNESP, 13.506-900 Rio Claro, SP, Brasil.)—Torpor studied in relation to fasting time in *Melanotrochilus fuscus*, *Amazilia versicolor*, and *Eupetomena macroura*. (Portuguese, Engl. summ.)—Y.O.
- AKINPELU, A. I. 1994. **Moult and weight cycles in two species of *Lonchura* in Ile-Ife, Nigeria.** *Malimbus* 16: 88–93. (Dept. Zool., Obafemi Awolowo Univ., Ile-Ife, Nigeria.)—Data on weight and flight-feather moult, obtained 1987–1990, from 102 *L. cucullata* and 74 *L. bicolor*, give timing and duration of moult and annual cycles in weight, as related to breeding period.—P.W.P.B.
- BALTHAZART, J., ET AL. 1994. **Effects of the aromatase inhibitor R76713 on sexual differentiation of brain and behavior in Zebra Finches.** *Behaviour* 131: 225–260. (Lab. Biochem., Univ. Liège, 17 place Delcour, Bat. L1, Liège B-4020, Belgium.)—Experiments with implants in *Taeniopygia guttata* that block the secretion of estrogens. Behavioral and histological effects were measured.—T.B.J.
- BENVENUTI, S., P. IOALÈ, & L. NACCI. 1994. **A new experiment to verify the spatial range of pigeons' olfactory map.** *Behaviour* 131: 277–292. (Dip. Sci. Comportam. Anim. e dell'Uomo, Univ. Pisa, Via Volta 6, I-56126 Pisa, Italy.)—Homing experiments with Feral Pigeons, *Columba livia*, prevented from smelling ambient odors during displacement.—T.B.J.
- BIJLSMA, R., ET AL. 1994. **Some data on measurements and moult of flight feathers in raptors in Botswana.** *Babbler* 28: 26–29. (Doldersummerweg 1, 7983 L.D. Wapse, Netherlands.)—*Pernis apivorus*, *Hieraetus ayresii*, *Micronisus gabar*, *Falco rupicoloides*, *F. subbuteo*.—N.J.S.
- BRIGANTI, F., T. MUGNAL, & F. DESSI-FULGHERI. 1993. [Influence of testosterone on aggressive behaviour of the female pheasant *Phasianus colchicus*.] *Suppl. Ric. Biol. Selvaggina* 21: 643–650. (Dept. Anim. Biol.

- Univ. Via Romana 17, 50125 Firenze, Italy.) (Italian, Engl. summ.)—Common Pheasant.
- COOPER, W. T., & C. B. FRITH. 1994. **The location of pale green feathers on the wing of male King Parrots *Alisterus scapularis*.** *Corella* 18: 89–90. (P.O. Box 314, Malanda, N. Qld. 4885, Australia.)—Marking on inner coverts, not scapulars.—I.D.E.
- CZAPIK, A. 1993. **[Fattening ducks and geese to get overfatted livers—a review.]** *Medycyna Wet.* 49: 519–520. (Zakład Hydrobiol. UJ. Krakow, Oleandry 2a, Poland.) (Polish.)
- DOLNIK, V. R., & T. V. DOLNIK. 1994. **[Energy exchange in nestlings during the growth period.]** *Zool. Zh.* 73: 85–104. (*Zool. Inst., Russian Acad. Sci., St. Petersburg, Russia.*)—A mathematical model. (Russian, Engl. summ.)—M.B.
- DUARTE, M. M., & G. B. MAHECHA. 1994. **[Morphological aspects of the small intestine and pancreas of seven species of Tinamidae (Aves, Tinamiformes).]** *Iheringia, ser. Zool.* 76: 21–28. (Depto. Morf., Inst. Ciê. Biol., Univ. Fed. Minas Gerais, C. P. 2486, 31270-010 Belo Horizonte, MG, Brasil.)—None of the intestinal loops cross the body cavity cranially, contrary to all other birds. (Portuguese, Engl. summ.)—Y.O.
- DUMBACHER, J. P., ET AL. 1992. **Homobatrachotoxin in the genus *Pitohui*: chemical defence in birds?** *Science* 258: 799–801. (Dept. Ecol. & Evol., Univ. Chicago, Chicago, IL 60637 USA.)—3 species of New Guinean *Pitohui* contain the steroidal alkaloid homobatrachotoxin, apparently as a defence against predators.—G.S.
- EVANS, R. M. 1994. **Cold-induced calling and shivering in young American White Pelicans: honest signalling of offspring need for warmth in a functionally integrated thermoregulatory system.** *Behaviour* 129: 13–34. (Dept. Zool., Univ. Manitoba, Winnipeg, MB R3T 2N2, Can.)—*Pelecanus erythrorhynchos* chilled in laboratory.—T.B.J.
- FUSANI, L., L. BEANI, & F. DESSI-FULGHERI. 1994. **Testosterone affects the acoustic structure of the male call in the Grey Partridge (*Perdix perdix*).** *Behaviour* 128: 301–310. (MRC Neuroendocrine Dev. Behav. Group, Babraham Inst., Cambridge CB2 4AT, UK.)—Birds in seminatural conditions with implants.—T.B.J.
- GILL, B. J. 1994. **Natal down of the Silvereye.** *Notornis* 41: 147–148. (Auckland Inst. Mus., Private Bag 92018, Auckland, New Zealand.)—Description for *Zosterops lateralis* from two nests near Kaikoura, New Zealand.—E.O.M.
- GWINNER, E. 1995. **[Circannual rhythms in tropical Stonechats bred and raised under constant conditions.]** *J. Ornithol.* 136: 79–82. (Max-Planck-Inst. f. Verhaltensphysiol., D-82346 Andechs, Germany.) (German, Engl. summ.)—*Saxicola torquata*.
- HOGAN-WARBURG, A. J., L. PANNING, & J. A. HOGAN. 1993. **Analysis of the brooding cycle of broody junglefowl hens with chicks.** *Behaviour* 125: 21–37. (Dept. Psychol., Univ. Toronto, Toronto M5S 1A1, Can.)—Observations of captive *Gallus gallus spadiceus*.—T.B.J.
- JANISZEWSKA, M. 1993. **[Changes in body weight and tissue components of White Italian Geese during the rearing period.]** *Acta Acad. Agricult. Tech. Olszt. Zootechnica*, 37 Suppl. A: 3–38. (Instytut Genetyki i Metod Doskonaleń Zwierząt ART, 10-957 Olsztyn-Kortowo, Poland.)—*Anser anser*. (Polish, Engl. & Russian summaries.)
- JENKINS, A. R. 1995. **Morphometrics and flight performance of southern African Peregrine and Lanner falcons.** *J. Avian Biol.* 26: 49–58. (Fitz Patrick Inst. Afr. Ornith., Univ. Cape Town, Rondebosch 7700, S. Africa.)—Study of morphometrics and flight performance of *Falco peregrinus minor*, *F. b. biarmicus*.—R.T.B.
- KRIKORIAN, V. R. 1995. **[Some physical aspects of the flight of birds.]** *Bol. SAO* 5(10): 35–42. (Dep. Física, Univ. Antioquia, A.A. 1226, Medellín, Colombia.)—Characteristics and physics of different kinds of flight, airflow, wing function, etc. (Spanish.)—R.T.C.
- LI JING, LI QINGFEN, & ZHENG GUANGMEI. 1993. **[Studies on the resting metabolic rate of the Yellow-bellied Tragopan (*Tragopan caboti*).** *Zool. Res.* 14(4): 341–345. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.)—The temperatures and metabolic rates of recently hatched and adult tragopans were investigated in relation to the ambient conditions. (Chinese, Engl. summ.)—J.L.M.
- LIU, N., J. GAO, & B. LI. 1994. **[Observations on ultrastructure of eggshell and shell membranes of eight species of Galliformes.]** *Zool. Res.*, Kunming 15: 23–28. (Dept. Biol., Lanzhou Univ., 730000 P.R. China.) (Chinese, Engl. summ.)
- MEIJER, T., & I. SIEMERS. 1993. **Incubation development and asynchronous hatching in junglefowl.** *Behaviour* 127: 309–322. (Dept. Ethol., Univ. Bielefeld, P.O. Box 100131, 33501 Bielefeld, Germany.)—Captive *Gallus gallus spadiceus*.—T.B.J.
- ONIKI, Y., & E. O. WILLIS. 1993. **[Weight, measurement, molt, cloacal temperature, and ectoparasites of birds of the Panga Ecological Reserve, Minas Gerais, Brazil.]** *Bol. CEO* 9: 2–10. (Depto. Zool., UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.) (Portuguese.)
- REDINS, C. A. 1992. **[The pineal organ of birds.]** *Bol. Mus. Para. Emilio Goeldi, Zool.* 8: 19–32. (Depto. Morf., Univ. Fed. Esp. Santo, Vitoria, ES, Brasil.)—Emphasis on Tinamiformes. (Portuguese, Engl. summ.)—Y.O.
- STRADI, R. 1994. **Physical and chemical basis of colour in European bird plumage.** *Sitta* 6: 1–8.—A review of the main pigment groups (melanins and carotenoids) in birds. Includes an outline of the origin of color and advises improvements in extraction techniques.
- TELLA, J. L., ET AL. 1995. **Age related differences in**

- biometrics and body condition in a Spanish population of Alpine Swift (*Apus melba*).** J. Ornithol. 136: 77-79. (Estac. Biol. Doñana, Pabellón del Perú, Avda. Ma. Luisa s.n., E-41013 Sevilla, Spain.)
- TSVELYKH, A. N., & V. I. MALANDZIA. 1994. [Morphological analysis of Chaffinches *Fringilla coelebs* breeding and wintering in east and west Transcaucasia.] Russ. J. Ornithol. 3: 117-124. (Inst. Zool., Ukraine Acad. Sci., Kiev, 252601, Ukraine.) (Russian, Engl. summ.)
- WANSINK, D., & J. M. TINBERGEN. 1994. **The influence of ambient temperature on diet in the Great Tit.** J. Avian Biol. 25: 261-267. (Neth. Inst. Ecol., C.T.O., P.O. Box 40, NL-6666 ZG Heteren, Netherlands.)—Experimental study giving no evidence that *Parus major*'s preference for fat-rich diet is affected by ambient temperature.—R.T.B.
- WU YI, ET AL. 1993. [Egg, egg hatching of *Crossoptilon crossoptilon*.] Sichuan J. Zool. 12(3): 44-45.—White Eared-Pheasant. (Chinese.)
- ZHANG, X., ET AL. 1994. [Fiber connections and functions of the hyperstriatum ventrale pars caudale in *Fringilla montifringilla*.] Zool. Res., Kunming 15: 89-92. (Biol. Dept., Inner Mongolia Normal Univ., Huhhot 010022, P.R. China.)—Brambling. (Chinese.)
- ZOU WEI, ET AL. 1993. [Determination of blood physiologic constant in *Accipiter virgatus* and *Buteo buteo*.] Sichuan J. Zool. 12(4): 4.—Besra, Common Buzzard. (Chinese.)
- PALAEONTOLOGY, ZOOARCHAEOLOGY, AND ETHNOBIOLOGY**
- ALTANGEREL, P., ET AL. 1993. **Flightless bird from the Cretaceous of Mongolia.** Nature 362: 623-626. (Mongolian Mus. Nat. Hist., Ulan Bator 46, Zalu-chudiin Gudamz-1, Mongolia.)—New genus and species *Mononychus olecranus*, described from two specimens, probably more closely related to modern birds than is *Archaeopteryx lithographica*. (Generic name emended to *Mononykus* in Nature 363: 188, 1993.)—G.S.
- ALTANGEREL, P., ET AL. 1994. **Skeletal morphology of *Mononykus olecranus* (Theropoda: Avialae) from the late Cretaceous of Mongolia.** Am. Mus. Novit. 3105.
- BARINGA, M. 1992. **Evolutionists wing it with a new fossil bird.** Science 255: 796. (No address given.)—Comments on Sereno & Chenggang (1992).—G.S.
- FEDUCCIA, A. 1993. **Evidence from claw geometry indicating arboreal habits of *Archaeopteryx*.** Science 259: 790-793. (Dept. Biol., Univ. North Carolina, Chapel Hill, NC 27599 USA.)—*Archaeopteryx* appears to have been a perching bird, not a cursorial predator. (See Morell [1993].)—G.S.
- HOLDAWAY, R. N., & T. H. WORTHY. 1994. **A new fossil species of shearwater *Puffinus* from the late Quaternary of the South Island, New Zealand, and notes on the biogeography and evolution of the *Puffinus gavia* superspecies.** Emu 94: 201-215. (Dept. Zool., Univ. Canterbury, Private Bag 4800, Christchurch, New Zealand.)—*P. spelaeus* survived until less than 600 years ago and brought to three the number of coastal-breeding species of the *gavia* complex in New Zealand.—S.R.P.
- MORELL, V. 1993. ***Archaeopteryx*: early bird catches a can of worms.** Science 259: 764-765. (No address given.)—Comments on Feduccia (1993).—G.S.
- SERENO, P. C., & R. CHENGGANG. 1992. **Early evolution of avian flight and perching: new evidence from the lower Cretaceous of China.** Science 255: 845-848. (Dept. Organismal Biol. & Anat., Univ. Chicago, Chicago, IL 60637 USA.)—Character analysis of new genus and species *Sinornis santensis*, a 135-million-year-old sparrow-sized bird. (See Baringa [1992].)—G.S.
- SHAPARENKO, S. A. 1994. [Folk names of birds in the Kharkov Region.] Berkut 3: 40-42. (Flat 19,46/48 Rustaveli Rd., Kharkivool, 310050, Ukraine.) (Ukrainian, Engl. summ.)
- STEADMAN, D. W. 1993. **Biogeography of Tongan birds before and after human impact.** Proc. Natl. Acad. Sci. USA 90: 818-822. (Biol. Surv., New York State Mus., State Educ. Dept., Albany, NY 12230 USA.)—Before the arrival of humans (3,000 yr ago) 27+ species of land birds lived on the Tongan island of 'Eua, where only 13 species live today. The arrival of humans has influenced the Tongan avifauna more than any other event of the past 100,000 yr.—G.S.
- TEIXEIRA, D. M. 1992. [Perspectives on ethno-ornithology in Brazil: a study of "tapiragem."] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 113-121. (Mus. Nac., Ornitol., Quinta de Boa Vista, Rio de Janeiro, RJ, Brasil.)—Abnormal color induced by repeated removal of feathers. (Portuguese, Engl. summ.)—Y.O.
- WORTHY, T. H. 1994. **Reappraisal of *Dinornis* (Aves: Dinornithiformes) species—a morphometric analysis.** N. Z. J. Zool. 21: 113-134. (Paleofaunal Surveys, 43 The Ridgeway, Nelson, New Zealand.)—Statistical analyses of cranial and other measurements distinguishes only three forms *D. struthoides* (smallest), *D. novaezealandiae* (medium-sized), and *D. giganteus* (largest).—E.O.M.
- PESTICIDES AND POLLUTION**
- MAUVAIS, G. 1993. [Lead poisoning in Anatidae: symptoms.] Bull. Mens. O.N.C. 175: 19-30. (French.)
- TODA, A., ET AL. 1994. [Ingestion of plastic particles of birds recovered at Tokyo International Airport and the adjacent areas.] Japan. J. Ornithol. 42: 83-90. (Div. Wild Anim. Med., Nippon Vet. Anim. Sci. Univ., Kyonan-cho, Musashino, Tokyo 180 Japan.)—Plastic particles seems to be ingested selectively as

food by Anseriformes and Columbiformes. (Japanese, Engl. summ.)—Y.E.

CAPTIVE MANAGEMENT

- CHENG CAIYUN, ET AL. 1993. [Artificial incubation studies of the Chinese Monal.] Zool. Res. 14(4): 354. (Available from China International Book Trading Corp. (GUOJI SHUDIAN), P.O. Box 399, Beijing, China.) (Chinese.)—*Lophophorus lhuysii*.
- MALUF, L. G. 1994. [Breeding *Amazona brasiliensis* in captivity.] Atual. Ornitol. 62: 15. (% Atual. Ornitol., C. P. 238, 86.870-000 Ivaiporã, PR, Brasil.) (Portuguese.)
- MARCONDES-MACHADO, L. O. 1994. [Biology and reproductive behavior of *Tiaris f. fuliginosa* (Wied, 1831) in captivity (Passeriformes, Emberizidae).] Iheringia, ser. Zool. 77: 15-23. (Depto. Zool., UNICAMP, C. P. 6109, 13.081-970 Campinas, SP, Brasil.)—Four types of nest of Seedeater, 2-4 eggs, incubation 12-13 days, nestlings 13-14 days, and fledglings independent at 29-33 days. (Portuguese, Engl. summ.)—Y.O.
- MCNABB, E. G. 1994. The successful rehabilitation of two Powerful Owl fledglings. Austral. Bird Watcher 15: 287-297. (P.O. Box 408, Emerald, Vic. 3782, Australia.)—One *Ninox strenua* owlet fostered; another reunited with parents.—I.D.E.
- SCHMIDL, D. 1994. Captive propagation of the Red-naped Shahin (Russet-headed Falcon or Desert Peregrine Falcon) *Falco peregrinoides/peregrinus byzonicus*. Russ. J. Ornithol. 3: 3-11. (Max-Planck-Inst. f. Verhaltensphys., 82319 Seewiesen, Germany.)—Barbary Falcon.

HISTORIES, BIBLIOGRAPHIES, AND CATALOGUES

- BANKS, R. C., & R. HOLE, JR. 1993. W. T. March's birds collected in Jamaica. Gosse Bird Club Broadsheet 60: 7-9. (USF&WS, Nat. Mus. Nat. Hist., Washington, DC 20560 USA.)—1861 to 1866.—P.W.S.
- BURG, C., B. M. BEEHLER, & S. D. RIPLEY. 1994. Indian ornithology 1872-1992: an annotated bibliography. National Museum of Natural History, Smithsonian Institution, Washington, D.C. (Available for U.S. \$20 from: Division of Birds, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560 USA.)
- CARDIFF, S. W., & J. V. REMSEN, JR. 1994. Type specimens of birds in the Museum of Natural Science, Louisiana State University. Occ. Papers Mus. Nat. Sci., Louisiana State Univ. 68: 1-32. (Mus. Nat. Sci., Louisiana State Univ., Baton Rouge, LA 70803 USA.)—Museum holds 55 holotypes, mainly of species and subspecies discovered over the last 30 years in Peru.—R.T.C.
- DA SILVA, J. M. C., & D. C. OREN. 1992. [Fernando Novaes and Amazonian ornithology.] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 7-17. (Depto. Zool.,

Mus. Para Emilio Goeldi, C. P. 399, 66017-970 Belém, PA, Brasil.)—Introduction to special ornithological issue in honor of F. C. Novaes; his career and publication list. (Portuguese.)—Y.O.

- DESFAYES, M. 1994. [Catalog of type specimens in the Neuchâtel Museum of Natural History (Switzerland), IV. Birds.] Bull. Soc. Neuchâteloise Sci. Nat. 117: 79-95. (rue de Prévent, 1926 Fully, Switzerland.)—List of 91 types collected by Tschudi in Peru, 14 others not in Neuchâtel Museum, and 10 species named for Tschudi. (French, Engl. summ.)—R.T.C.
- HAFFER, J. 1994. ["It would be time to write a general Hartert": the historical roots of Ernst Mayr's contributions to the evolutionary synthesis.] Bonner Zool. Beiträge 45: 113-123. (Tommesweg 60, 45149 Essen, Germany.)—Demonstrates Mayr's early interest in the theoretical understanding of speciation. (German, Engl. summ.)—T.P.W.
- KOBLIK, E. A. 1993. [Mystery bunting from the collection of Kozlov's expedition.] Russ. J. Ornithol. 2: 409-414. (Zool. Mus., Moscow State Univ., Herzen str. 6, Moscow, 103009, Russia.) (Russian, Engl. summ.)
- PACHECO, J. E., & H. B. RAJÃO. 1995. [Heretiano Zenaide: who was this author of Birds of Paraíba?] Atual. Ornitol. (64): 12. (Dep. Zool., UFRJ, 21974-970 Rio de Janeiro, RJ, Brasil.)—Useful 1953 book by rich rancher with 20 children. (Portuguese.)—Y.O.

DISTRIBUTION—GENERAL

- BAZUN, V. 1993. [The Armenian Gull *Larus armenicus* Buturlin, 1934: morpho-biometrical and behavioral distinctions with indication of taxonomical status.] Russ. J. Ornithol. 2: 471-490. (Biol. Inst., St. Petersburg Univ., Stary Peterhof, St. Petersburg, 198904, Russia.) (Russian, Engl. summ.)

DISTRIBUTION—AFROTROPICAL

- ANON. 1994. The Southern African Bird Atlas project (SABAP). Bird Numbers 1: 8.—Progress report for atlas covering southern countries of Africa, including Namibia and Zimbabwe.
- BALANÇA, G., & M.-N. DE VISSCHER. 1993. [New distribution data for two bird species in Burkina Faso.] Malimbus 15: 89-90. (CIRAD/GERDAT/PRI-EAS, BP 5035, 34032 Montpellier, France.)—*Tachymarptis aequatorialis* and *Bucorvus abyssinicus* in 1992-1993. (French.)—P.W.P.B.
- BREWSTER, C. A. 1994. Notes on the status of the Terrestrial Bulbul *Phyllastrephus terrestris* and Yellowbellied Bulbul *Chlorocichla flaviventris* along the Limpopo River. Babbler 28: 42-43. (P. Bag 002, Sefhare, Botswana.)—Southerly extensions of range by 100 and 60 km respectively.—N.J.S.
- CABLE, T. T. 1994. First record of Three-banded Plover *Charadrius tricollaris* in Ivory Coast. Malim-

- bus 16: 57–58. (Dept. Forestry, Kansas State Univ., Manhattan, KS 66506 USA.)
- CHEKE, R. A. 1993. **Manx Shearwater *Puffinus puffinus*, new to Ivory Coast.** Malimbus 15: 92. (% Natur. Resour. Inst., Central Av., Chatham Maritime, Chatham, Kent ME4 4TB, UK.)—Ringed in UK.—P.W.P.B.
- DEMEY, R., & L. D. C. FISHPOOL. 1994. **The birds of Yapo Forest, Ivory Coast.** Malimbus 16: 100–122. (Grote Peperstraat 3, B-9100 Sint-Niklaas, Belgium.)—Breeding, seasonal occurrence, general ecology, and identification of 225 species based on observations made during 167 visits, 1985–1990.—P.W.P.B.
- DOWSETT-LEMAIRE, F., R. J. DOWSETT, & P. BULENS. 1993. **Additions and corrections to the avifauna of Congo.** Malimbus 15: 68–80. (Rue des Lavandes 12, 34190 Ganges, France.)—69 additions and a few corrections to the 1989 checklist, from observations made 1990–1992 in the southwest.—P.W.P.B.
- ERARD, C., & G. J. MOREL. 1994. [The sub-species of **Sun Lark *Galerida modesta* in Senegambia.**] Malimbus 16: 56–57. (Lab. d'Ornith., Mus. Natl. d'Hist. Natur., 55 rue Buffon, 75005 Paris, France.)—From museum material, *G. m. modesta*. (French.)—P.W.P.B.
- EZEALOR, A. U. 1993. **An unusual record of Fulvous Tree-Duck *Dendrocygna bicolor* breeding in the Hadejia-Nguru Wetlands, northeastern Nigeria.** Malimbus 15: 92–93. (Dept. Biol. Sci., Ahmadu Bello Univ., Zaria, Nigeria.)
- FARNSWORTH, S. J. 1994. **Corn Bunting *Emberiza calandra* in Mauritania and West Africa.** Malimbus 16: 124–125. (Hammerkop, Frogmill, Hurley, Maidenhead, Berks SL6 5NL, UK.)—Accidental.—P.W.P.B.
- GATTER, W. 1993. **The status of the Black Swift *Apus barbatus* in western West Africa.** Malimbus 15: 90–91. (Buchstr. 20, D-73252 Leningen, Germany.)—Observations in Sierra Leone, Liberia and Côte d'Ivoire from 1981–1993.—P.W.P.B.
- GERMAIN, M., & J.-P. CORNET. 1994. [New or seldom recorded birds of the Central African Republic.] Malimbus 16: 30–51, Corrigendum Malimbus 16: 125. (44 rue Cluseret, 92150 Suresnes, France.)—Addenda to and amplification of previous checklists of the CAR, based on field observations and specimens received during the last 20 years at the Muséum National d'Histoire Naturelle (Paris). (French, Engl. summ.)—P.W.P.B.
- GORE, M. E. J. 1994. **Bird records from Liberia.** Malimbus 16: 74–87. (Govt. Hse., Grand Cayman, Cayman Islands.)—Notes on 139 species considered uncommon, needing confirmation, declining in numbers, or breeding, based on observations throughout the country, 1988–1990.—P.W.P.B.
- HALLEUX, D. 1994. **Annotated bird list of Macenta Prefecture, Guinea.** Malimbus 16: 10–29. (24 rue du faubourg du Temple, 75011 Paris, France.)—Status, habitat, available breeding data, on 319 species based principally on c. 90 1-day visits during 1988–1991.—P.W.P.B.
- HARRISON, J. 1994. **Birds In Reserves Project (BIRP).** Bird Numbers 1: 12–13.—Announces launch of atlas project concentrating on protected areas in southern Africa.
- KIESWETTER, S. 1994. **Coordinated waterbird counts (CWAC).** Bird Numbers 1: 9–10.—Brief outline of results from 1992–93.
- RANDALL, R. 1994. **The Spotted Creeper *Salpornis spilonotus* new to Botswana.** Babbler 28: 38. (P. Bag K14, Kasane, Botswana.)
- RODEWALD, P. G., & C. G. R. BOWDEN. 1995. **First record of Kemp's Longbill *Macrosphenus kempii* in Cameroon.** Bull. Brit. Ornithol. Cl. 115: 66–68. (BirdLife Int., Wellbrook Court, Girtton Rd., Cambridge CB3 0NA, UK.)—Based on sightings and song.—L.G.G.
- VERSCHUREN, J. 1991. [Ornithological observations in the National Virunga Park, Zaire.] Gerfaut 8: 139–140. (IRSNB, rue Vautier 29, B-1040 Bruxelles, Belgium.) (French, Engl. summ.)
- WILLIAMS, A. J. 1994. **Unusually large numbers of wetland birds—Has El Nino had an effect?** Bird Numbers 1: 18–19.—Suggests an explanation for high count of waders, terns, etc. at Walvis Bay in South Africa during 1992.

DISTRIBUTION—AUSTRALASIAN

- BISHOP, K. D. 1989. **Little known *Tyto* owls of Wallacea.** Kukila 4: 37–43. ("Semiopetra", Lot 15, Kerns Rd., Kincumber, NSW 2250, Australia.)—Records of *Tyto sororcula*, *T. inexpectata*, and *T. nigrobrunnea* discussed.—I.A.W.M.
- BISHOP, K. D. 1992. **New and interesting records of birds in Wallacea.** Kukila 6: 8–34. (Semiopetra, Lot 15, Kerns Rd., Kincumber, NSW 2251, Australia.)—Numerous new records for various islands in Wallacea over a ten-year period.—I.A.W.M.
- BOWLER, J., & J. TAYLOR. 1989. **An annotated checklist of the birds of Manusela National Park, Seram (birds recorded on the Operation Raleigh expedition).** Kukila 4: 3–29. (The Orchard, South Rd., Englefield Green, Egham, Surrey, UK.)—Observations from two-month visit to the area in 1987; several new species were observed for Seram.—I.A.W.M.
- BUCK, H., B. KING, & D. YONG. 1990. **Tree Martin *Hirundo nigricans* sighting on Halmahera.** Kukila 5: 76. (3 Pinggir Ridley, Ampang, Kuala Lumpur 55000, Malaysia.)—First record for northern Maluku Islands.—I.A.W.M.
- BURTON, K. M. 1989. **Three new shorebirds for Lombok.** Kukila 4: 65. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—*Pluvialis squatarola*, *Charadrius mongolus*, and *Heteroscelus brevipes*.
- DUNLOP, J. N., ET AL. 1994. **Seabird Islands No. 228: Walcott Island, Pilbara Region, Western Australia.** Corella 18: 122–124. (Nickol Bay Nat. Club, P.O. Box

- 835, Karratha, WA 6714, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- DUNLOP, J. N., G. OLIVER, & S. VAN LEEUWIN. 1994. **Seabird Islands No. 225: Haycock Island, Pilbara Region, Western Australia.** *Corella* 18: 115–116. (162 Swansea St. E., E. Vic. Pk., WA 6101, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- DUNLOP, J. N., G. OLIVER, & S. VAN LEEUWIN. 1994. **Seabird Islands No. 226: Goodwyn Island, Pilbara Region, Western Australia.** *Corella* 18: 117–119. (162 Swansea St. E., E. Vic. Pk., WA 6101, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- DUNLOP, J. N., G. OLIVER, & S. VAN LEEUWIN. 1994. **Seabird Islands No. 227: Elphick Nob, Pilbara Region, Western Australia.** *Corella* 18: 120–121. (162 Swansea St. E., E. Vic. Pk., WA 6101, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- DUNLOP, J. N., & R. E. JOHNSTONE. 1994. **The migration of Bridled Terns *Sterna anaethetus* breeding in Western Australia.** *Corella* 18: 125–129. (162 Swansea St. E., E. Vic. Park, WA 6101, Australia.)—Post-breeding route traverses Makassar Strait to Celebes Sea.—I.D.E.
- EGAN, K., & G. C. SMITH. 1994. **Little Terns in Botany Bay.** *Corella* 18: 47–48. (1 Bowman St., Mortdale, NSW 2223, Australia.)—*Sterna albifrons* colony re-establishing at new locality.—I.D.E.
- ENDERSBY, I. D. 1994. **Vagrancy, or another migration path, of the Double-banded Plover *Charadrius bicinctus*?** *Stilt* 24: 20–23. (56 Looker Rd., Montmorency, Vic. 3094, Australia.)—Possible that s.w. Pacific island sightings are passage migrants.—I.D.E.
- ERFEMEIJER, P. L. A. 1989. **Bird observations at Danau Kurumoi, Irian Jaya.** *Kukila* 4: 153–155. (Netherlands Inst. Ecol., Ctr. Estuarine Coast. Ecol., Vierstr. 28, 4401 EA Yerseke, Netherl. Catholic Univ. Nijmegen, Netherlands.)—Effect of introduced fish African Tilapia *Oreochromis mossambica* noted on vegetation and turbidity of lake; it was suggested this may in the long term affect duck numbers.—I.A.W.M.
- ERFEMEIJER, P. L. A., ET AL. 1991. **Birds of the Bintuni Bay region, Irian Jaya.** *Kukila* 5: 85–98. (Netherlands Inst. Ecol., Ctr. Estuarine Coast. Ecol., Vierstraat 28, 4401 EA Yerseke, Netherl. Catholic Univ. Nijmegen, Netherlands.)—An inventory of one of the largest mangrove areas in Indonesia.—I.A.W.M.
- FRITH, C. B. 1994. **Chestnut-breasted Mannikin *Lonchura castaneothorax* (Estrildidae) at Blackwater Lakes, Middle Sepik River, Papua New Guinea.** *Austral. Bird Watcher* 15: 277. (P.O. Box 581, Malanda, Qld. 4885, Australia.)—Range extension of 300 km.—I.D.E.
- FULLER, P. J., A. A. BURBIDGE, & R. OWENS. 1994. **Breeding seabirds of the Houtman Abrolhos, Western Australia 1991–1993.** *Corella* 18: 97–113. (Dept. Conserv. Land Manage., P.O. Box 51, Wanneroo, WA 6065, Australia.)—Detailed accounts for 21 species from 122 islands.—I.D.E.
- GARDINER, S., & J. MANGAN. 1989. **Sighting of an unidentified pigeon in Irian Jaya.** *Kukila* 4: 62–63. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—Unidentified Columbidae species seen at 1,850 m in the Balim Valley, Irian Jaya in July 1987.—I.A.W.M.
- HOLMES, D. A. 1989. **The Tree Sparrow reaches New Guinea.** *Kukila* 4: 150. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—*Passer montanus* at Biak.—I.A.W.M.
- JAENSCH, R. 1994. **Internationally significant numbers of Oriental Plover and Oriental Pratincole at ephemeral inland wetlands of the Northern Territory, Australia.** *Stilt* 24: 12–13. (Conserv. Comm. NT, P.O. Box 496, Palmerston, NT 0831, Australia.)—Extrapolated estimates of *Glareola maldivaarum* exceed published estimates for flyway; also *Charadrius veredus*.—I.D.E.
- JOHNSTONE, R. E., & G. M. STORR. 1994. **Seabird Islands No. 224: West Wallabi Island, Houtman Abroholos, Western Australia.** *Corella* 18: 56–60. (West. Australian Mus., Francis St., Perth, WA 6000, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- JOHNSTONE, R. E., S. VAN BALEN, & R. W. R. J. DEKKER. 1993. **New bird records for the island of Lombok.** *Kukila* 6: 123–127. (West. Austral. Mus., Francis St., Perth, WA 6000, Australia.)—Records 17 species for the first time on Lombok, including first record of *Hemiprocne longipennis* for Lesser Sundas.—I.A.W.M.
- KENDRICK, J. L. 1994. **Bellbirds breeding in Northland.** *Notornis* 41: 116. (24 Polkinghorne Dr., Whangaparaoa, New Zealand.)—First recent breeding record for *Anthornis melanura* on the mainland north of Auckland, New Zealand.—E.O.M.
- KING, B. 1990. **Little Eagle *Hieraetus morphnoides* on Halmahera.** *Kukila* 5: 77. (Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—First record for Wallacea.—I.A.W.M.
- KING, B. 1990. **Metallic Pigeon *Columba vitiensis* sighting on Flores.** *Kukila* 5: 74. (Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.)—First record from Flores.—I.A.W.M.
- LAMBERT, F., & D. YOUNG. 1989. **Some recent bird observations from Halmahera.** *Kukila* 4: 30–33. (15 Bramble Rise, Brighton BN1 5GE, UK.)—Observations of birds seen in Jul. 1987; includes details of several rarely recorded species.—I.A.W.M.
- MACDONALD, A. A. 1995. **Distribution of Blue-crowned Pigeon *Goura cristata* on north Seram.** *Bull. Brit. Ornithol. Cl.* 115: 33–35. (Preclinical Vet. Sci., Royal Sch. Vet. Studies, Univ. Edinburgh, Summerhall, Edinburgh EH9 1QH, UK.)
- MAYO, G. 1994. **Black-and-White form of the White-winged Fairy-wren *Malurus leucopterus* in western**

- New South Wales.** Austral. Bird Watcher 15: 321–322. (Div. Bot. Zool., Austral. Natl. Univ., G.P.O. Box 4, Canberra, ACT 2601, Australia.)—Mainland sighting of melanistic form.—I.D.E.
- MCALLAN, I. A. W., & L. W. C. FILEWOOD. 1994. **The Yellow-faced Honeyeater on Cape York Peninsula.** Austral. Bird Watcher 15: 279–280. (46 Yeramba St., Turramurra, NSW 2074, Australia.)—Northerly range extension, probably of migratory population of *Lichenostomus chrysops*.—I.D.E.
- MINTON, C. 1994. **Sightings of waders leg-flagged in Victoria, Australia—Update One.** Stilt 24: 18–19. (165 Dalgetty Rd., Beaumaris, Vic. 3193, Australia.)—Records for 8 species.—I.D.E.
- MITCHELL, A. 1989. **Nicobar Pigeon nesting colonies in Irian Jaya.** Kukila 4: 51–52. (Dept. Anthropol., Yale Univ., P.O. Box 2114, New Haven, CT 06520 USA.)—*Caloenas nicobarica* now only found on a few islands in the Irian Jaya province where they may be threatened by hunting and habitat disturbance.—I.A.W.M.
- MOORE, E. 1994. **Hooded Plover *Thinornis rubricollis* on Cape Barren Island, Tasmania.** Stilt 24: 24–25. (P.O. Box 7238, St. Kilda Rd., Melbourne, Vic. 3004, Australia.)—Survey of eastern and southern beaches yielded low densities.—I.D.E.
- PARRY, D. E. 1989. **Black Swans at Merauke.** Kukila 4: 64–65. (Tromol Pos 16, Merauke, Irian Jaya, Indonesia.)—*Cygnus atratus*.
- PATTERSON, R. M., W. C. WAKEFIELD, & M. WAKEFIELD. 1994. **A Hudsonian Godwit *Limosa haemastica* in south-eastern Tasmania.** Austral. Bird Watcher 15: 283–286. (89 Summerleas Rd., Fern Tree, Tas. 7054, Australia.)—Third Australian record.—I.D.E.
- POWLESLAND, R. G., & M. H. POWLESLAND. 1994. **Seabirds found dead on New Zealand beaches in 1992, and a review of *Larus* species recoveries, 1943 to 1992.** Notornis 41: 117–132. (Sci. Res. Div., Dept. Conserv., P.O. Box 10420, Wellington, New Zealand.)—Includes second record of Common Noddy *Anous stolidus* for New Zealand. In 50 years of beach patrols 14,833 gulls were recovered: *Larus d. dominicanus* (10,190), *L. novaehollandiae scopulinus* (4,195), and *L. bulleri* (448).—E.O.M.
- SAGAR, P. M., ET AL. 1994. **Numbers of Buller's Mollymawks breeding at the Snares Islands.** Notornis 41: 85–92. (Natl. Inst. Water Atmospheric Res., P.O. Box 8602, Christchurch, New Zealand.)—In 1992 a total of 7,683 occupied nests of *Diomedea bulleri* was counted; up from 3,934 counted in 1969. The distribution of nests is described.—E.O.M.
- SCHULTZ, M., & K. KRISTENSEN. 1994. **Notes on selected bird species on the south-western Coast of Tasmania, between Port Davey and Cape Sorell.** Austral. Bird Watcher 15: 265–272. (Dept. Resour. Sci. Manage., Southern Cross Univ., P.O. Box 157, Lismore, NSW 2480, Australia.)—Individual counts of 30 species from this rarely surveyed region.—I.D.E.
- SMITH, G. C. 1994. **Seabird Islands No. 223: Nymph Island, Great Barrier Reef, Queensland.** Corella 18: 53–55. (NSW Natl. Parks Wildl. Serv., P.O. Box 1967, Hurstville, NSW 2220, Australia.)—Describes island, seabirds, and factors affecting their status.—I.D.E.
- SMITH, J. M. B. 1994. **Blackbirds reach Barrington Tops, New South Wales.** Austral. Bird Watcher 15: 273–275. (Dept. Geogr. Plan., Univ. New England, Armidale, NSW 2351, Australia.)—Invasion by *Turdus merula* possibly related to introduced weed species.—I.D.E.
- STUDHOLME, B. J. S., R. B. RUSS, & I. G. MCLEAN. 1994. **The Fiordland Crested Penguin survey stage IV, Stewart and offshore islands and Solander Island.** Notornis 41: 133–143. (IGM: Dept. Zool., Private Bag 4800, Univ. Canterbury, Christchurch, New Zealand.)—The survey has now covered the range of *Eudyptes pachyrhynchus* except for the mainland north of Milford Sound. For the surveyed area there are about 1,000 nests each year.—E.O.M.
- SURMAN, C. 1994. **New breeding record for White-faced Storm-Petrel *Pelagodroma marina* at the Houtman Abrolhos, Western Australia.** Corella 18: 114. (Biol. Sci., Murdoch Univ., WA 6150, Australia.)—Approximately 1,200 active burrows on Beacon Island.—I.D.E.
- THOMPSON, R. 1994. **The recovery of two Crested Terns *Sterna bergii*.** Vic. Nat. 111: 153. (10 Nokes Ct., Montmorency, Vic. 3094, Australia.)—Banded as nestlings.—I.D.E.
- TULP, I., & P. DE GOEIJ. 1994. **Evaluating wader habitats in Roebuck Bay (north-western Australia) as a springboard for northbound migration in waders, with a focus on Great Knots.** Emu 94: 78–95. (Netherlands Inst. Sea Res., P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands.)—Food item diversity and stocks greater than in other springboard areas, at least for *Calidris tenuirostris*.—S.R.P.
- VERHOEYE, J., & B. KING. 1990. **Notes on three raptor species new to Flores.** Kukila 5: 65–68. (Kotak Pos 20, Maumere 86101, Flores, N.T.T., Indonesia.)—*Hieraetus fasciatus*, *H. kienerii*, and *Pernis* sp. recorded for the first time on Flores.—I.A.W.M.

DISTRIBUTION—INDOMALAYAN

- ANDREW, P. 1990. **The status of the Sunda Coucal *Centropus nigrorufus* Cuvier** Kukila 5: 56–64. (P.O. Box 153, North Sydney, NSW 2060, Australia.)—Sunda Coucal shown to be restricted to only a few sites on Java.—I.A.W.M.
- ANDREW, P. 1993. **The birds of Indonesia. Kukila checklist No. 1. Additions, corrections and notes—1.** Kukila 6: 47–52. (P.O. Box 153, North Sydney, NSW 2060, Australia.)—Update of information on

- Indonesian checklist. Includes information on distribution, classification and errata.—I.A.W.M.
- ANDREW, P., & D. A. HOLMES. 1990. **Sulawesi Bird Report**. Kukila 5: 4–26. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—Sulawesi bird records made by various observers over the period 1976–1990. This paper is the proposed format for future regional Indonesian Bird Reports.—I.A.W.M.
- ANDREWS, T. 1993. **The first record of the Chinese Egret on Java**. Kukila 6: 133. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—*Egretta ulophotes*.
- ARGELOO, M. 1993. **Black-headed Gulls wintering in Sulawesi (and notes on their occurrence elsewhere in the Indo-Australia region)**. Kukila 6: 110–114. (Univ. Amsterdam, Inst. Taxonomic Zool., P.O. Box 4766, 1009 AT Amsterdam, Netherlands.)—Increase in number and range of *Larus ridibundus* in the region.—I.A.W.M.
- DANIELSEN, F., ET AL. 1991. **Breeding colonies of Milky Stork in South Sumatra**. Kukila 5: 133–135. (Ornis Consult, Vesterbrogade 140, Copenhagen DK-1620, Denmark.)—Discovery of three colonies of *Mycteria cinerea*, a globally threatened species.—I.A.W.M.
- DANIELSEN, F., H. SKOV, & U. SUWARMAN. 1991. **Breeding colonies of waterbirds along the coast of Jambi Province, Sumatra, August 1989**. Kukila 5: 135–137. (Ornis Consult, Vesterbrogade 140, Copenhagen DK-1620, Denmark.)—Decline observed in number of colonies of *Ardea cinerea* and loss of a colony of *Mycteria cinerea* between 1985 and 1989 surveys. The losses were attributed to illegal logging and felling of mangrove forest, as well as illegal international trade in juvenile Milky Storks to zoos.—I.A.W.M.
- DYMOND, N. 1993. **Sighting of a Common Stonechat on Nias Island, Sumatra**. Kukila 6: 134. (Burgadies, South Punds, Levenwick, Shetland XE2 9HX, UK.)—The second record of *Saxicola torquata* for Sumatra and Indonesia.—I.A.W.M.
- ERFTEMEIJER, P. L. A. 1989. **The occurrence of nests of Nankeen Night Heron *Nycticorax caledonicus* in East Java**. Kukila 4: 146–147. (Netherlands Inst. Ecol., Ctr. Estuarine Coast. Ecol., Vierstraat 28, 4401 EA Yerseke, Netherl. Catholic Univ. Nijmegen, Netherlands.)—Nests of *N. caledonicus* found in breeding colonies of *N. nycticorax*; interbreeding suspected.—I.A.W.M.
- ERFTEMEIJER, P. L. A. 1993. **Seabird observations in the Spermonde Archipelago, South Sulawesi**. Kukila 6: 115–123. (Netherlands Inst. Ecol., Ctr. Estuarine Coast. Ecol., Vierstraat 28, 4401 EA Yerseke, Netherl. Catholic Univ. Nijmegen, Netherlands.)—Seabird densities greatest towards continental shelf; no seabird breeding colonies found.—I.A.W.M.
- GALDIKAS, B. M. F., & B. KING. 1989. **Lesser Adjutant nests in S.W. Kalimantan**. Kukila 4: 151–152. (Orangutan Res. Conserv. Project, Tromolpos 1, Pangkalanbun, Kalimantan Tengah, Indonesia.)—*Leptoptilos javanicus* observed breeding close to Tanjung Puting Nat. Pk., now rarely breeds in Borneo.—I.A.W.M.
- GONG HUISENG, ET AL. 1993. **[Bird fauna and resource investigation in Niubieliang Natural Reserve, Shaanxi Province.]** Sichuan J. Zool. 12(3): 27–29. (Chinese.)
- GREEN, A. L., & M. J. CROSBY. 1992. **The historical range of the White-winged Wood Duck in Indonesia**. Kukila 6: 1–7. (IWRB Threatened Waterfowl Res. Group, Wildfowl & Wetlands Trust, Slimbridge, Glos. GL2 7BT, UK.)—Range of *Cairina scutulata* shown to have been previously more widespread in northern Sumatra.—I.A.W.M.
- GREEN, C. A. 1991. **First sight record of Yellow-vented Flowerpecker for Bali**. Kukila 5: 143–144. (1208 N. Swan Rd., Tucson, AZ 85712 USA.)—*Dicaeum chrysorrheum*.
- HOLMES, D. A. 1990. **Note on the occurrence of the White-winged Wood Duck *Cairina scutulata* on the west coast of Sumatra**. Kukila 5: 69–72. (c/o Kukila, P.O. Box 287/JKSMG, Jakarta 12720A, Indonesia.)—First records of this species away from south-east Sumatra for over 80 years.—I.A.W.M.
- INDRAWAN, M. 1990. **A Dusky Moorhen nesting in South Sulawesi**. Kukila 5: 78. (Kemanggisan Ilir Raya 16, Komplek Pajak, Jakarta Barat 11480, Indonesia.)—First breeding record of *Gallinula tenebrosa* from s. Sulawesi, but see Indrawan (1991) in which the bird is reidentified as *Porphyrio porphyrio*.—I.A.W.M.
- INDRAWAN, M. 1991. **A Dusky Moorhen nesting in South Sulawesi—a re-identification**. Kukila 5: 149. (Kemanggisan Ilir Raya 16, Komplek Pajak, Jakarta Barat 11480, Indonesia.)—Record of *Gallinula tenebrosa* from s. Sulawesi, shown to be breeding *Porphyrio porphyrio*, only the second breeding record for Wallacea.—I.A.W.M.
- INDRAWAN, M. 1991. **A winter flock of Pheasant-tailed Jacanas at Ciamis, West Java**. Kukila 5: 138–140. (Kemanggisan Ilir Raya 16, Komplek Pajak, Jakarta Barat 11480, Indonesia.)—*Hydrophasianus chirurgus* suspected as a regular winter (Nov.–Mar.) migrant to Java.—I.A.W.M.
- JEPSON, P. 1993. **Recent ornithological observations from Buru**. Kukila 6: 85–109. (BirdLife Intl.—Indonesian Programme, P.O. Box 310, Bogor 16003, Indonesia.)—Report of 1989 survey: six of the ten endemic species are reported. Concern is expressed for two endemic parrots, *Charmosyna toxopei* and *Tanygnathus gramineus*.—I.A.W.M.
- KENNERLEY, P. R. 1989. **A record of a *Bradypterus* warbler probably breeding in Bali**. Kukila 4: 155–157. (Flat 2c Crane Court, 45 Sassoon Rd, Pok Fu Lam, Hong Kong.)
- KING, B., H. BUCK, & D. YONG. 1990. **Grey-headed Fish-Eagle *Ichthyophaga ichthyaetus* sighting on Sulawesi**. Kukila 5: 75. (Amer. Mus. Nat. Hist., Cen-

- tral Pk. W. at 79th St., New York, NY 10024 USA.)—A sighting of this species from northern Sulawesi suggests re-examination of early reports of this species from the island.—I.A.W.M.
- KING, B., & J. LONGRONG. 1992–1993. **Bird notes from north-eastern Nei Mongol Zizhiqu (Inner Mongolia) and Heilongjiang.** Gerfaut 82–83: 33–44. (Ornithol. Dept., Amer. Mus. Nat. Hist., Central Pk. W., 79th St., New York, NY 10024 USA.)
- KOBAYASHI, H., & K. J. GURMAYA. 1993. **A new breeding site of the Maleo in Central Sulawesi.** Kukila 6: 131. (Dept. Biol., Padjadjaran Univ. Jatininggor, Sumedang 45363, W. Java, Indonesia.)—*Macrocephalon maleo*.
- LAMBERT, F. 1989. **Some field observations of the endemic Sulawesi rails.** Kukila 4: 34–36. (15 Bramble Rise, Brighton BN1 5GE, UK.)—Observations of the little-known species *Aramidopsis plateni* and *Gymnocrex rosenbergii*.—I.A.W.M.
- LIU DAJI, ET AL. 1993. **[Banding of *Puffinus leucomelas* and *Oceanodroma monorhis* in offshore islands of Qingdao City, Shangdong Province.]** Sichuan J. Zool. 12(4): 32–33. (Chinese.)—Streaked Shearwater, Swinhoe's Storm-Petrel.
- MASON, V. 1990. **Note on the Large Hawk-Cuckoo *Cuculus sparverioides* in Bali.** Kukila 5: 73. (P.O. Box 400, Denpasar, Bali, Indonesia.)—A possible sighting that may be the first record for Bali.—I.A.W.M.
- MASON, V. 1993. **A note on the occurrence of the Zebra Finch on Bali.** Kukila 6: 132. (Bali Bird Club, P.O. Box 400, Denpasar, Bali, Indonesia.)—First record of nominate subspecies of *Taeniopygia guttata* west of Lombok.—I.A.W.M.
- NOOR, Y. R. 1992. **First sighting of Pied Bush-Chat in Sumatra.** Kukila 6: 41–42. (Asian Wetland Bureau, P.O. Box 254/Boo, Bogor 16001, Indonesia.)—*Saxicola caprata*.
- OLLINGTON, R. F., & D. PARRISH. 1989. **Lesser Yellow-legs *Tringa flavipes* in Sumatra—new to S.E. Asia.** Kukila 4: 58–61. (9 Penang Rd, #07-18 Supreme House, Singapore 0923.)
- RICE, C. G. 1989. **A further range extension of the Black-breasted Thrush *Chlamydochaera jefferyi*, in Kalimantan.** Kukila 4: 47–48. (Wildl. Conserv. Int., New York Zool. Soc., Bronx Zoo, New York City, NY USA.)—Includes a list of bird species seen at Bukit Baka Nature Reserve in early 1988.—I.A.W.M.
- ROZENDAAL, F. G., & R. W. R. J. DEKKER. 1989. **Annotated checklist of the birds of the Dumoga-Bone National Park, North Sulawesi.** Kukila 4: 85–109. (c/o Rijksmus. Nat. Hist., P.O. Box 9517, 2300 RA Leiden, Netherlands.)—140 species recorded from the park.—I.A.W.M.
- SILVIUS, M. J., & H. DE IONGH. 1989. **White-winged Wood Duck, a new site for Jambi Province.** Kukila 4: 150–151. (Asian Wetland Bureau (Indonesia), P.O. Box 254/Boo, Bogor, Indonesia.)—A new site for *Cairina scutulata* in Sumatra.—I.A.W.M.
- SILVIUS, M. J., & P. L. A. ERFTEMEIJER. 1989. **A further revision of the wintering range of the Asian Dowitcher *Limnodromus semipalmatus*.** Kukila 4: 49–50. (Asian Wetland Bureau (Indonesia), P.O. Box 254/Boo, Bogor, Indonesia.)—Observation of a flock of around 1,000 birds on the north coast of Java.—I.A.W.M.
- TANG ZHAOHE, ET AL. 1993. **[A new record of a bird from Fujian Province—*Elanus caeruleus vociferus*.]** Sichuan J. Zool. 12(3): 42. (Chinese.)—Black-winged Kite.
- VAN BALEN, S. 1991. **Jaegers in Indonesian waters.** Kukila 5: 117–124. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—Review of records of *Stercorarius* spp. in Indonesia, including several unpublished records. *S. parasiticus* may be more common than previously thought.—I.A.W.M.
- VAN BALEN, S. 1991. **Faunistic notes from Bali with some new records.** Kukila 5: 125–132. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—New species recorded include *Dendrocygna javanica*, *Accipiter trivirgatus*, *Treron bicincta*, *Cacomantis sonneratii*, and *Ficedula mugimaki*. Several other species recorded for the first time in many years.—I.A.W.M.
- VAN BALEN, S. 1992. **Record of White-winged Wood Duck in Aceh Province, Sumatra.** Kukila 6: 40. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—*Cairina scutulata*.
- VAN BALEN, S. 1992. **The first breeding record of the Pacific Black Duck on Java.** Kukila 6: 38–39. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—*Anas superciliosa*.
- VAN BALEN, S., & A. R. COMPOST. 1989. **Overlooked evidence of the Short-toed Eagle *Circus gallicus* on Java.** Kukila 4: 44–46. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)
- VAN BALEN, S., & A. LEWIS. 1991. **A Blue-crowned Hanging Parrot on Java.** Kukila 5: 140–141. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—*Loriculus galgulus* recorded from West Java. The bird(s) were either escapees or had come across the Sunda Straits from Sumatra.—I.A.W.M.
- VAN BALEN, S., & A. MARHADI. 1989. **A breeding record of the Pink-necked Fruit Dove *Ptilinopus porphyreus* in Java.** Kukila 4: 144–145. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—First breeding record for Java.—I.A.W.M.
- VAN BALEN, S., & R. NOSKE. 1991. **Note on two sight records of the Yellow-rumped Flycatcher on Bali.** Kukila 5: 142. (P.O. Box 47, Bogor 16001, W. Java, Indonesia.)—First records of *Ficedula xanthopygia* from Bali.—I.A.W.M.
- VAN BALEN, S., & L. M. VAN BALEN. 1993. **Observations on a wintering Common Kingfisher** Kukila 6: 128–130. (P.O. Box 146, Bogor 16001, W. Java, Indonesia.)—First inland records of *Alcedo atthis* in Java.—I.A.W.M.
- VERHEUGHT, W. J. M., ET AL. 1993. **Notes on the birds of the tidal lowlands and floodplains of South Su-**

- matra Province, Indonesia.** Kukila 6: 53–84. (Euroconsult, P.O. Box 441, 6800 AK Arnhem, Netherlands.)—Results of 1988–89 survey of birds found in wetlands in South Sumatra, 270 species reported. Some globally threatened species, *Mycteria cinerea*, *Ciconia stormi*, *Leptoptilos javanicus*, *Threskiornis melanocephalus*, and *Limnodromus semipalmatus* have their core range here. Three new species for Sumatra are reported. Conservation recommendations are given.—I.A.W.M.
- WANG ZHONGYU, ET AL. 1993. [The present number and distribution of Ardeidae in Hanzhong Prefecture, Shaanxi Province.] Sichuan J. Zool. 12(1): 43–44. (Chinese.)
- WELLS, D. R. 1989. **Eyebrowed Thrushes *Turdus obscurus* in Bali.** Kukila 4: 149. (Zool. Dept., Univ. Malaya, 59100 Kuala Lumpur, Malaysia.)—First record for Bali.—I.A.W.M.
- WHITTEN, A. J. 1989. **Pelicans at Cengkareng.** Kukila 4: 64. (10 Primrose St., Cambridge, UK.)—Unidentified *Pelecanus* species seen in Java.—I.A.W.M.
- WILKINSON, R., ET AL. 1991. **The avifauna of the Barito Ulu region, Central Kalimantan.** Kukila 5: 99–116. (Downing Coll., Cambridge CB2 1DQ, UK.)—Results of the most recent detailed survey of the hills of Kalimantan. 226 species recorded, including 15 Bornean endemics, 26 lowland specialist species and some range extensions within Borneo. The area may have some conservation significance.—I.A.W.M.
- DISTRIBUTION—NEOTROPICAL**
- ABREU, R. M., ET AL. 1989. [Vertebrates of the “La Zoilita” mountain complex, Holguín, Cuba.] Poeyana 370: 1–16. (% Inst. Ecol. Syst., Acad. Cienc. Cuba, La Habana, Cuba.)—99 species of terrestrial vertebrates (8 amphibians, 17 reptiles, 65 birds, and 9 mammals) are listed with observations and comments on their distributions, as well as regional map. (Spanish, Engl. summ.)—R.B.
- BERGKAMP, P. Y. 1995. **First record of Cape Gannet *Sula capensis* for Argentina.** Bull. Brit. Ornithol. Cl. 115: 71. (Inst. Syst. Popul. Biol., Univ. Amsterdam, P.O. Box 94766 1090 GT, Amsterdam, Netherlands.)
- BROWN, G., & C. DEGIA. 1994. **Birds and the dry limestone forests of Jamaica.** Gosse Bird Club Broadsheet 63: 3–4. (Grambling Coop. Wildl. Project, Grambling, LA 71245 USA.)—Reports *Icterus leucopteryx* feeding juvenile *Molothrus bonariensis*.—P.W.S.
- BUDEN, D. W., & R. L. WETENKAMP. 1993. **North American bird band recoveries from the Lesser Antilles.** Ornithol. Neotrop. 4: 83–90. (Nat. Sci., Northern State Univ., Aberdeen, SD 57401 USA.)—Review of 595 recovery records of 37 species of non-passerines.—R.T.C.
- DEBROT, A. O., & T. G. PRINS. 1992. **First record and establishment of the Shiny Cowbird in Curaçao.** Caribb. J. Sci. 28: 104–105. (CARMABI Found., P.O. Box 2090, Curaçao, Netherlands Antilles.)—*Molothrus bonariensis*.
- DOS ANJOS, L., & V. GRAF. 1993. [Diversity of birds of Santa Rita Farm, Campos Gerais region, Palmeira County, Paraná, Brazil.] Rev. Brasil. Zool. 10: 673–693. (Depto. Biol., Univ. Est. Londrina, C. P. 6001, 86051-970 Londrina, Paraná, Brasil.)—288 species analyzed by habitat and season. (Portuguese, Engl. summ.)—Y.O.
- FFRENCH, R. P. 1993. **Further records of birds on Trinidad and Tobago.** J. Trinidad & Tobago Field Nat. Club 1993: 28–31. (Chosen Hill, Hucclecote GL3 2LT, UK.)—Includes three new species for Trinidad and eight for Tobago.—R.P.fff.
- GOODBODY, C., & I. GOODBODY. 1994. **Pied-billed Grebe *Podilymbus podiceps* nesting at the Mona Reservoir—a tale of persistence.** Gosse Bird Club Broadsheet 62: 7–9. (Depto. Zool., Univ. West Indies, Mona, Kingston 7, Jamaica, W.I.)
- HOWELL, S. N. G., & S. WEBB. 1994. **Additional information on the birds of Guerrero, Mexico.** Bull. Brit. Ornithol. Cl. 114: 232–243. (Pt. Reyes Bird Obs., 4490 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Data on 44 species, 20 new to area.—L.G.G.
- HOWELL, S. N. G., & S. WEBB. 1995. **Noteworthy bird observations from Chile.** Bull. Brit. Ornithol. Cl. 115: 57–66. Pt. Reyes Bird Obs., 4990 Shoreline Hwy., Stinson Beach, CA 94970 USA.)—Data on 36 species.—L.G.G.
- LEVY, C. (ED.). 1993. **Christmas bird count—1992.** Gosse Bird Club Broadsheet 60: 18–19. (% Gosse Bird Club, P.O. Box 1002, Kingston 8, Jamaica, W.I.)—Six sites in Jamaica.—P.W.S.
- LEVY, C. (ED.). 1993. **The Shiny Cowbird in Jamaica.** Gosse Bird Club Broadsheet 61: 3–7. (% Gosse Bird Club, P.O. Box 1002, Kingston 8, Jamaica, W.I.)—Several unconfirmed reports of *Molothrus bonariensis*.—P.W.S.
- LITTLEWOOD, M. C. 1993. **Landbird records in the Gulf of Mexico and Caribbean—1978–89.** Gosse Bird Club Broadsheet 60: 11–14. (90 Inglehurst Gardens, Redbridge, Ilford, Essex IG4 5HA, UK.)—Extracted from *Sea Swallow*.—P.W.S.
- LO, V. K. 1994. [Occurrence of *Laniisoma elegans* (Thurnberg, 1823) (Cotingidae) and *Fluvicola nengeta* (Linnaeus, 1766) (Tyrannidae) in São Paulo, SP.] Bol. CEO 10: 36–41. (Av. Jorge João Saad, 236, V. Inah, Morumbi, 05618-000 São Paulo, SP, Brasil.) (Portuguese.)—Swallow-tailed Cotinga.
- MARANTZ, C. A., & J. V. REMSEN, JR. 1994. **First records of *Tangara cyanicollis melanogaster* from Bolivia.** Bull. Brit. Ornithol. Cl. 114: 230–231. (Mus. Nat. Sci., Louisiana State Univ., Baton Rouge, LA 70803 USA.)—9 collected in Prov. Velasco, Dept. Santa Cruz; range extension 90 km westwards.—L.G.G.
- MARÍN A., M. 1993. **First record of White-flanked Antwren (*Myrmotherula axillaris*) in Mexico.** Or-

- nit. Neotrop. 4: 97-98. (Mus. Nat. Sci., Louisiana State Univ., Baton Rouge, LA 70803 USA.)
- MARIN, C. A. 1995. [Results of the annual bird count in Medellín.] Bol. SAO 5(10): 50-58. (% SAO, A. A. 60010, Medellín, Colombia.)—5 sites censused on 8 Oct. 1994. (Spanish.)—R.T.C.
- MCCONNELL, M., & C. LEVY. 1994. Exotic species spreading in the wild in Jamaica. Gosse Bird Club Broadsheet 63: 9-10. (New Hall, Bog Walk, St. Catherine, Jamaica, W.I.)—Nesting of Spotted Munia, *Lonchura punctulata* proven.—P.W.S.
- MELTOFTE, H., & C. HORNEMAN. 1995. Mottled Petrel *Pterodroma inexpectata* off Tierra del Fuego. Bull. Brit. Ornithol. Cl. 115: 71-72. (Zool. Mus., Universitetsparken 15, DK-2100 Copenhagen, Denmark.)
- NAVAS, J. R. 1994. [New or little-known birds of Patagonia.] Neotrópica 40: 93-94. (Mus. Arg. Cienc. Nat., Angel Gallardo 470, Buenos Aires, Argentina.)—New distributional data on seven species. (Spanish.)—R.T.C.
- NAVAS, J. R., & N. A. BÓ. 1993. [Distribution of *Phytotoma rutila* in northwestern Argentina.] Neotropica 39: 76. (Mus. Arg. Cienc. Nat., Avda. Angel Gallardo 470, Buenos Aires, Argentina.) (Spanish.)—Rufous-tailed Plantcutter.
- NAVAS, J. R., & N. A. BÓ. 1993. [New and little-known birds of Misiones, Argentina. V (Addenda).] Rev. Mus. Arg. Cienc. Nat. Bernardino Rivadavia 16: 37-50. (Mus. Arg. Cienc. Nat., Avda. Angel Gallardo 470, Buenos Aires, Argentina.)—New data for 41 species and subspecies, based on collections of W. H. Partridge. (Spanish.)—R.T.C.
- NAVAS, J. R., N. A. BÓ, & J. C. CHEBEZ. 1992. [*Piranga flava saira*: a new subspecies for the Argentine avifauna (Aves, Thraupinae).] Neotropica 38: 110. (Mus. Arg. Cienc. Nat., Avda. Angel Gallardo 470, Buenos Aires, Argentina.) (Spanish.)
- NEGRET, A. J. 1995. [Notes on migratory shorebirds in the neighborhood of Popayán.] Bol. SAO 5(10): 8-10. (Mus. Hist. Nat., Univ. Cauca, Cauca, Colombia.)—11 species observed on 1991-1993 censuses. (Spanish.)—R.T.C.
- PACHECO, J. F. 1994. [*Ara nobilis* and other Psittacidae introduced in Rio de Janeiro.] Atual. Ornitol. 60: 12. (Depto. Zool., UFRJ, 21944-970 Rio de Janeiro, RJ, Brasil.)—Introduced or established from escapes: *Myiopsitta monachus*, *Brotogeris chiriri*, and *Ara nobilis*. (Portuguese.)—Y.O.
- PACHECO, J. F. 1995. [First record of *Aptenodytes patagonicus* for Brazil.] Atual. Ornitol. (64): 4. (Dep. Zool., UFRJ, 219744-970 Rio de Janeiro, RJ, Brasil.)—King Penguin at Saquarema Beach, Rio de Janeiro. (Portuguese.)—Y.O.
- PACHECO, J. F., & C. BAUER. 1994. [Bird collection prepared by Adolf Schneider at Porto Quebracho, Mato Grosso do Sul, Brazil, in 1941.] Nót. Faunísticas (64): 1-6. (Dep. Zool., UFRJ, Lab. Ornitol., 21944-970 Rio de Janeiro, RJ, Brasil.)—With the addition of 8 sightings by the authors. (Portuguese, Engl. summ.)—Y.O.
- PACHECO, J. F., C. BAUER, & T. A. DE MELO, JR. 1994. [Brazilian records of the Chimango Caracara, *Milvago chimango* (Vieillot, 1816), at the northern end of its distribution.] Nót. Faunísticas (62): 1-4. (Dep. Zool., UFRJ, Lab. Ornitol., 21944-970 Rio de Janeiro, RJ, Brasil.)—New sight records for Minas Gerais and Mato Grosso do Sul. (Portuguese, Engl. summ.)—Y.O.
- PACHECO, J. F., & L. P. GONZAGA. 1994. [Tyrant-flycatchers as austral migrants in the state of Rio de Janeiro, Brazil.] Nót. Faunísticas (63): 1-4. (Dep. Zool., Lab. Ornitol., UFRJ, 21944-970 Rio de Janeiro, RJ, Brasil.)—*Alectrurus risoria*, *Hymenops perspicillatus*, *Elaenia albiceps*, *E. parvirostris*, *Tachuris rubrigastra*. (Portuguese, Engl. summ.)—Y.O.
- POSADA, R. M., ET AL. 1989. [Bird habitat associations on Campos, Avalos, and Cantiles keys in the Canarreos archipelago, Cuba.] Poeyana 365: 1-9. (% Prot. Flora y Fauna, Acad. Cienc. Cuba, La Habana, Cuba.)—Includes reports on bird species for these three keys, including new records: Campos Key 20 species, 7 new; Cantiles 34 species, 3 new; and Avalos 26 species. (Spanish, Engl. summ.)—R.B.
- RADTKE, R., & E. WEBER. 1993. [Observations on some birds in southern Brazil.] Iheringia, ser. Zool., 75: 189-190. (Lab. Pesq. Biol., Univ. Tübingen na PUC/RS, Av. Ipiranga 6681, 90.610-001 Porto Alegre, RS, Brasil.)—New locality records, with *Leucopternis polionota* hunting over open campo. (Portuguese.)—Y.O.
- ROBBINS, M. B., ET AL. 1994. Geographic variation in the Andean Siskin (*Carduelis spinescens*), with comments on its status in Ecuador. Ornitol. Neotrop. 5: 61-63. (Div. Ornithol., Mus. Nat. Hist., Univ. Kansas, Lawrence, KS 66045 USA.)
- RYAN, T. P., & M. LENTINO R. 1995. An additional record of the Pale-footed Swallow *Notiochelidon flavipes* from Venezuela. Bull. Brit. Ornithol. Cl. 115: 28-29. (Dept. Biol. Sci., Cal. State Univ., Long Beach, CA 90840 USA.)—Collected at 2,300 m in Paramo la Cristalina.—L.G.G.
- SMITH, P. W., & S. A. SMITH. 1994. A preliminary assessment of the Brown-headed Nuthatch in the Bahamas. Bahamas J. Sci. 1: 22-26. (S. Florida Res. Ctr., Everglades Natl. Pk., Homestead, FL 33034 USA.)—*Sitta pusilla insularis* apparently decreased by more than 90% since late 1960s.—P.W.S.
- SUTTON, R., & A. SUTTON. 1994. Breeding records for House Sparrows *Passer domesticus* in Jamaica. Gosse Bird Club Broadsheet 63: 10-11. (Marshall's Pen, Mandeville, Manchester, Jamaica, W. I.)—From 1903-1966 in NE, 1992-1993 in SW; neither population successful.—P.W.S.
- VUILLEUMIER, F., A. P. CAPPARELLA, & I. LAZO A. 1994 (1992). [Range expansion of *Asthenes pyrrholeuca* (Aves, Furnariidae) in Chilean Fuego-Patagonia.]

- Ans. Inst. Patag. 21: 67–69. (Dept. Ornithol., Amer. Mus. Nat. Hist., Central Pk. W. at 79th St., New York, NY 10024 USA.) (Spanish, Engl. summ.)
- WHITE, A. G., R. C. BRACE, & A. J. PAYNE. 1995. **Additional records of and notes on the Unicoloured Thrush *Turdus haplochrois*, a little known Bolivian endemic.** Bull. Brit. Ornithol. Cl. 115: 29–33. (Dept. Life Sci., Univ. Nottingham, Univ. Park, Nottingham NG7 2RD, UK.)—In *varzea* forest c. 70 km northeast of San Borja; one unsexed bird measured.—L.G.G.
- WILLIAMS, E. H., JR., & L. BUNKLEY-WILLIAMS. 1992. **Two unusual sea bird records from Puerto Rico.** Caribb. J. Sci. 28: 105. (Caribb. Aquatic Anim. Health Project, Dept. Mar. Sci., Univ. Puerto Rico, P.O. Box 908, Lajas, PR 00667 USA.)—An individual *Stercorarius pomarinus* and eight *Pelecanus erythrorhynchos* adults.—R.B.
- WILLIAMS, E. H., JR., & L. BUNKLEY-WILLIAMS. 1993. **Three unusual marine bird records.** Caribb. J. Sci. 29: 127. (Caribb. Aquatic Anim. Health Project, Dept. Mar. Sci., Univ. Puerto Rico, P.O. Box 908, Lajas, PR 00667 USA.)—Records of a *Phalacrocorax* sp. individual in Puerto Rico, a female *A. anhinga* and a *Haliaeetus leucocephalus* in Chesapeake Bay, Maryland.—R.B.
- #### DISTRIBUTION—EUROPE
- ANDRES, C., F. STEIMER, & G. DELACOUR. 1993. **[Birds of the Rhine.]** Bull. Mens. O.N.C. 175: 9–18.—Annual waterbird census for 1976–1988 (Oct.–Mar.). (French.)—S.H.
- BOLDERGINI, P., ET AL. 1993. **[Development of the use of the River Po delta by the Cormorant *Phalacrocorax carbo sinensis*.]** Suppl. Ric. Biol. Selvaggina 21: 439–461. (Inst. Zooculture Univ. Via S. Giacomo 9, 40126 Bologna, Italy.) (Italian, Engl. summ.)
- BRAUN, J. 1995. **[First breeding record of a Bee-eater in northern Sachsen-Anhalt.]** Apus 9: 6–9. (Joliot-Curie-Str. 47, 39576 Stendal, Germany.)—*Merops apiaster*. (German.)
- CATRY, P., & H. COSTA. 1993. **[Waterbird census in the Lagoa de Albufeira, 1991 and 1992.]** Airo 4(2): 71–75. (R. de Campolide 215, 4^o Dto., 1000 Lisboa, Portugal.)—Presents counts carried out monthly at the freshwater section of one coastal laguna. (Portuguese.)—R.R.
- COSTA, H., ET AL. 1993. **[Contribution for the knowledge of the Marsh-Harrier *Circus aeruginosus* populations present at the Tejo and Sado estuaries.]** Airo 4(1): 1–6. (R. João Nascimento Costa 25, 2^o Esq. 1900 Lisboa, Portugal.)—Results from breeding and wintering census of Western Marsh-Harriers made in 1990 and 1991. Discusses the importance of Tejo for migrating birds. Describes habitat use and points out threats. (Portuguese, Engl. summ.)—R.R.
- COSTA, H., ET AL. 1993. **[Systematic list of the accidental, rare and uncommon birds of continental Portugal.]** Airo 4(1): 28–33. (R. João Nascimento Costa 25, 2^o Esq., 1900 Lisboa, Portugal.)—(Portuguese.)
- COSTA, L. T. 1993. **[Status and occurrence of Glossy Ibis *Plegadis falcinellus* in Portugal.]** Airo 4(1): 13–19. (ICN/CEMPA, R. Filipe Folque 46, 3^o, 1050 Lisboa, Portugal.)—Analyzes the pattern of occurrence since 1985 and compares it with historical data. (Portuguese, Engl. summ.)—R.R.
- CZERASZKIEWICZ, R., ET AL. 1993. **[Results of censuses of wild geese in Poland in November 1991 and January 1992.]** Przegł. Przyr. 4: 39–50. (Stacja Ornitologiczna “Świdwie”, Inst. Ekologii PAN, 72-003 Dobra Szczecińska, Poland.)—In Nov. 1991, 227,559 and in Jan. 1992, 77,710 geese were observed. Most common were *Anser fabalis*, *A. albifrons*, & *A. anser*; *Branta bernicla*, *B. leucopsis*, *B. canadensis* were also observed. NW Poland is the most important region for geese in Poland. (Polish, Engl. summ.)—J.P.
- CZERASZKIEWICZ, R., ET AL. 1993. **[The migrating avifauna of “Kostrzynieckie Rozlewisko”—overflowarms of the Oder river in the vicinity of Cedynia.]** Przegł. Przyr. 4: 51–60. (Stacja Ornitologiczna “Świdwie”, Inst. Ekologii PAN, 72-003 Dobra Szczecińska, Poland.)—An area of major international importance, with anseriform concentration reaching 300,000. (Polish, Engl. summ.)—J.P.
- DHERMAIN, F., ET AL. 1994. **[Complement to “An annotated checklist of the Birds of Provence”, 1993 restatement.]** Faune de Provence 15: 25–42. (13, bd du Redon, 13009 Marseille, France.)—13 new species; Glossy Ibis *Plegadis falcinellus*, Greylag Goose *Anser anser*, and Red-footed Falcon *Falco tinnunculus* have bred. (French, Engl. summ.)—G.O.
- EDITORIAL COMMITTEE, SUFFOLK BIRDS. 1994. **The 1993 Suffolk Bird Report.** Suffolk Birds 43: 26–151. (M. Crewe: 3 Anglenook Cotts, Bury Rd., Gt. Barton, Suffolk IP31 2SJ, UK.)—Annotated checklist.—N.J.S.
- FARINHA, J. C., & H. COSTA. 1993. **[List of Portuguese sightings of rare and accidental birds accepted by the Iberian Rarities Committee.]** Airo 4(1): 34–37. (ICN/CEMPA, R. Filipe Folque 46, 3^o, 1050 Lisboa, Portugal.)—(Portuguese.)
- FASOLA, M., & P. BRICHETTI. 1993. **[New breeding bird species in Italy during the second half of the XX century.]** Suppl. Ric. Biol. Selvaggina 21: 51–65. (Dept. Anim. Biol. Piazza Univ. Botta 9, 27100, Pavia, Italy.) (Italian, Engl. abstract.)
- FIEDLER, W. 1994. **[Report from the initiation of a joint Russian-German trapping station on the Kourish Spit near Rybachi (Rossitten) with some results of the first year of investigation.]** Vogelwarte 37: 310–316. (Vogelwarte, Schloß Moeggingen, D-78315 Radolfzell, Germany.) (German, Engl. summ.)
- FLAIM, S., F. GENERO, & P. PEDRINI. 1993. **[The presence of the Bearded Vulture *Gypaetus barbatus* in**

- the Adamello Brenta National Park.] Suppl. Ric. Biol. Selvaggina 21: 721-725. (Direzione Parco Naturale Adamello-Brenta, Via Nazionale 12, 39090 Strembo, Trento, Italy.) (Italian, Engl. summ.)
- FRAISSINET, M. 1994. [Italian urban birds: a first list.] Sitta 6: 13-22.—Lists the birds of the provincial capitals of Italy; compares totals by family with those for Italy as a whole. (Italian, Engl. summ.)
- GNIELKA, R. 1995. [The former distribution of Woodchat Shrikes in Sachsen-Anhalt.] Apus 9: 9-19. (Huttenstr. 84, 06110 Halle, Germany.)—*Lanius senator*. (German.)
- HERREMANS, M., & P. VERCAUTEREN. 1992-1993. [First *Carduelis flammea rostrata* in Flanders, Belgium.] Gerfaut 82-83: 71-73. (Dept. Wildlife Nat. Parks, P.O. Box 131, Rm. 102, Gaborone, Botswana.)—Common Redpoll.
- JERMACZEK, A., ET AL. 1993. [The birds of the Koszrzyński retention reservoir during the breeding season in 1990-1992.] Przegł. Przyr., 4(2): 21-40. (Lubuski Klub Przyrodników, ul. 30 Stycznia 23, 66-200 Swiebodzin, Poland.)—An area of 5,200 / ha within the fork of the Warta and Postomia rivers, with 108 breeding species. Abundance was compared with previous years, and nest distribution given for many species. (Polish, Engl. summ.)—J.P.
- KAYSER, Y. 1994. [First data on the wintering of Squacco Heron *Ardeola ralloides* in the Camargue, France.] Faune de Provence 15: 80. (Station Biol. de la Tour du Valat, le Sambuc, 13200 Arles, France.) (French.)
- KEIL, D. 1995. [The Bee-eater—breeding bird in the district of Hettstedt.] Apus 9: 1-5. (Friedensallee 67e, 06343 Mansfeld, Germany.)—*Merops apiaster*. (German.)
- KEULEN, C., ET AL. 1994. [Biodiversity: a case study—“la Vieille Meuse” at the Belgian Dutch border.] Cahiers d'Éthologie 14: 1-286. (Inst. Zool., Univ. Liège, Quai Van Beneden, 22, B-4020 Liège, Belgique.)—Includes checklist of 130 bird species (52 breeding) and study of breeding biology of *Podiceps cristatus*. (French, Engl. summ.)—S.H.
- KOZŁOWSKA, D. 1993. [An observation of Marsh Sandpiper (*Tringa stagnatalis*) in Western Pomerania.] Przegł. Przyr., 4/1/: 71. (Stacja Ornitologiczna “Świdwie”, 72-003 Dobra Szczecińska, Poland.) (Polish.)
- KOZŁOWSKA, D., S. NIEDŹWIECKI, & A. STASZEWSKI. 1993. [Late autumn and winter observations of Oystercatcher (*Haematopus ostralegus*) at western part of Polish Baltic coast.] Przegł. Przyr., 4/1/: 72. (Stacja Ornitologiczna “Świdwie”, 72-003 Dobra Szczecińska, Poland.) (Polish.)
- KUŹNIAK, S. 1993. [Birds of the Rów Polski valley Leszno voivodeship.] Badan. Fizjogr. Nad. Polska Zachod., 40, Ser. C, Zool.: 39-75. (ul. Gen. Sikorskiego 28/10, 64-100 Leszno Wlkp. Poland.)—195 bird species, 125 breeding, e.g. *Ciconia nigra*, *Grus grus*, *Crex crex*, *Charadrius dubius*, *Limosa limosa*, *Numenius arquata* and others; changes in composition of avifauna during last 70 years. (Polish, Engl. summ.)—J.P.
- LEITÃO, D. 1993. [The breeding of the Yellow-crowned Bishop *Euplectes afer* in the Tejo estuary.] Airo 4(1): 19-20. (R. da Cooperação, lote 28 1ºEsq., 2890 Alcochete, Portugal.)—Reports the presence of a breeding group of 6 displaying males at one location during 1990. (Portuguese, Engl. summ.)—R.R.
- LEITÃO, D., & J. C. FARINHA. 1993. [The breeding of the Lapwing *Vanellus vanellus* in Castro-Marim (Portugal) in 1993.] Airo 4(1): 20-21. (R. da Cooperação, lote 28 1ºEsq., 2890 Alcochete, Portugal.)—Reports the uncommon breeding of the species at one location in south Portugal. (Portuguese, Engl. summ.)—R.R.
- LEITÃO, D., R. NEVES, & R. RUFINO. 1993. [Census of terns (genus *Sterna*) breeding in Tejo and Sado estuaries in 1993.] Airo 4(2): 68-71. (R. da Cooperação, lote 28 1ºEsq., 2890 Alcochete, Portugal.) (Portuguese, Engl. summ.)
- LOREK, G. 1993. [Abundance of raptors and Raven *Corvus corax* in the vicinity of Poniec Wielkopolska, Western Poland.] Przegł. Przyr., 4(2): 59-62. (ul. Kusza 26, 64-125 Poniec, Poland.)—In an area of 108 km²: 13 pr. *Buteo buteo*; one *Accipiter gentilis*; one *Milvus milvus*; one *Pernis apivorus*; 2 *Circus aeruginosus*; 3 *Corvus corax*. (Polish.)
- MARSH, M. 1994. Suffolk Ringing Report. Suffolk Birds 43: 165-176. (5 Ennerdale Close, Felixstowe, Suffolk IP11 9SS, UK.)
- MATTHEIJ, M., S. NIEDŹWIECKI, & A. STASZEWSKI. 1993. [An observation of a large flock of Greenfinch (*Carduelis chloris*).] Przegł. Przyr., 4/1/: 71-72. (Stacja Ornitologiczna “Świdwie”, 72-003 Dobra Szczecińska, Poland.)—Over 2,000. (Polish.)—J.P.
- MONTEIRO, A. E. 1993. [Breeding populations of Ciconiidae on the Ribacõa region (Guarda District).] Airo 4(2): 51-55. (R. Vila de Catió 398, 5ºE, 1800 Lisboa, Portugal.)—Presents the results of a census of breeding White Storks *C. ciconia* and estimates the breeding population of Black Stork *C. nigra* of 2 areas in NE Portugal. (Portuguese, Engl. summ.)—R.R.
- NASH, R. H. J. 1993. AOS Expedition to Cyprus, April 1993. Adjutant 23: 32-40.—List of bird species observed during the Army Ornithol. Soc. expedition to Cyprus, 1993.
- NIEDŹWIECKI, S., & A. STASZEWSKI. 1993. [Summer census of waterfowl at the southern coast of Zalew Szczeciński (Oderhaff) in 1992.] Przegł. Przyr. 4: 69-70. (Stacja Ornitologiczna “Świdwie”, Inst. Ekologii PAN, 72-003 Dobra Szczecińska, Poland.) (Polish.)
- NIEDŹWIECKI, S., ET AL. 1993. [Results of a water bird census at the Szczecin part of the Baltic coast in

- the winter season 1992/1993.] Przegł. Przyr., 4(4): 83–85. (Stacja Ornitologiczna "Świdwie", 72-003 Dobra Szczecińska, Poland.) (Polish.)
- OLIOSO, G. 1994. [Blue Tits *Parus caeruleus* and Coal Tits *Parus ater* invasion in Vaucluse and South Drôme (South-East France) in 1993–1994 winter.] Faune de Provence 15: 75–76. (Ctr. régional de baguage, le Mail, 26230 Grignan, France.) (French.)
- OLIOSO, G. 1994. [Data on the wintering site and/or halting-place in any Passeres in the Provence, South-East France.] Faune de Provence 15: 83. (Ctr. régional de baguage, le Mail, 26230 Grignan, France.)—*Prunella modularis*, *Turdus philomelos*, *Sylvia borin*, *Carduelis carduelis*, and *Emberiza schoeniclus*. (French.)
- ORSINI, P., & C. BURY. 1994. [First data on the breeding avifauna of the Esterel, Var, France.] Faune de Provence 15: 43–48. (Muséum d'Histoire Naturelle, 113 bd Maréchal Leclerc, 83000 Toulon, France.)—87 species. (French, Engl. summ.)—G.O.
- OSIEJUK, T. S., ET AL. 1993. [The avifauna of islands in the Swina river delta in 1900/91.] Przegł. Przyr. 4: 17–38. (Stacja Ornitologiczna "Świdwie", Inst. Ekologii PAN, 72-003 Dobra Szczecińska, Poland.) Important habitats for 140 breeding species (e.g. *Calidris alpina*, *T. tadorna*, *A. anser*, *Haliaeetus albicilla* and during migration, e.g. *A. anser*.) (Polish, Engl. summ.)—J.P.
- PEREIRA, F., ET AL. 1993. [The White Stork *Ciconia ciconia* in the area of the Paul do Boquilobo Nature Reserve, from 1988 to 1993.] Airo 4(2): 75–77. (R.N. do Paul do Boquilobo, Aptd. 27, Riachos, 2350 Torres Novas.) (Portuguese.)
- PERKINS, R. 1994. A study of the wintering population of Avocets on the Alde estuary. Suffolk Birds 43: 7–14. (Teacher's Cott., Shottisham Rd., Alderton, Suffolk IP12 3DE, UK.)—*Recurvirostra axosetta*—N.J.S.
- PIOTROWSKI, W. 1994. [List of the fauna of Polesie National Park.] Parki Narodowe i Rezerваты Przyr. 13: 47–61. (Poleski Park Narodowy, ul. Chełmska 7, 22-234 Urszulin, Poland.)—Review—146 breeding species of birds. (Polish, Engl. summ.)—J.P.
- REITZ, F., & F. BERGER. 1993. [Partridges in 1992 in the Nord, the Bassin Parisien and the Centre.] Bull. Mens. O.N.C. 175: 3–8.—*Perdix perdix*, *Alectoris rufa*. (French.)
- RUFINO, R., & L. T. COSTA. 1993. [Winter wader and waterfowl counts—January 1993.] Airo 4(2): 57–67. (ICN/CEMPA, R. Filipe Folque 46, 5°, 1050 Lisboa, Portugal.)—Presents and discusses the annual Jan. counts. (Portuguese, Engl. summ.)—R.R.
- SARASA, C. G., ET AL. 1993. [First census of wintering herons in the Iberian Peninsula and Balearic Islands (1992–1993).] Airo 4(2): 41–50. (Dept. Biol. Anim. I, Fac. Biol., Univ. Complutense, 28040 Madrid, Spain.)—Analyzes the results of the census. (Spanish, Portuguese & Engl. summ.)—R.R.
- SCEBBA, S., & G. MOSCHETTI. 1994. [Analysis of ringed birds recovered in Calabria.] Sitta 6: 46–72.—Detailed list of 436 recoveries with dates, locations, ages and information on cause of death. (Italian, Engl. summ.)
- SCEBBA, S., ET AL. 1994. Checklist of the birds of Calabria, up to date to January 1993. Sitta 6: 33–45.—Covers the period from 1845 to 1993. (Engl., Italian summ.)
- SCHMID, H. 1994. The new breeding bird atlas in Switzerland. Bird Census News 7/1: 38–39.—Methods and results (of first season's work) for the second Swiss atlas.
- SCHÖNFELD, M. 1995. [The birds of the city cemetery Weibensfels/Saale in the years 1973 to 1975.] Apus 9: 27–37. (Gustav-Adolf-Str. 23a, 06886 Lutherstadt Wittenberg, Germany.)—Reports 211–239 breeding pairs and 46–49 species. (German.)—T.P.W.
- SCHWARZE, E. 1995. [The breeding numbers of Rooks in south-eastern Sachsen-Anhalt from 1982–1993.] Apus 9: 20–27. (Burgwallstr. 47, 06862 Roßlau, Germany.)—*Corvus frugilegus*. (German.)
- SCHWARZE, E. 1995. [The development of winter numbers of waterbirds at the Elbe in Sachsen-Anhalt.] Apus 9: 38–59. (Burgwallstr. 47, 06862 Roßlau, Germany.)—Dominant species are *Anas platyrhynchos*, *Anser fabalis*, *Aythya ferina*, and *Fulica atra*. (German.)—T.P.W.
- SKOV, H., ET AL. 1994. The summer distribution of Procellariiformes in the central North Atlantic Ocean. Vogelwarte 37: 270–289. (Ornis Consult Ltd., Vesterbrogade 140, DK-1620 Copenhagen V, Denmark.)
- ŠTANCL, L. 1993. [The winter range of the eastern Bohemia population of Blackcap (*Sylvia atricapilla*) and winter occurrences of this species in East Bohemia.] Panurus 5: 25–27. (Rohovládova Bělá 43, 533 43, Czech Republic.)—Southeast or southwest migration routes are expected on a basis of ringing recoveries; 9 cases of wintering in East Bohemia are demonstrated. (Czech, Engl. summ.)—P.V.
- TALLONE, G., ET AL. 1993. [The White Stork *Ciconia ciconia*: a new breeding species for Italy.] Suppl. Ric. Biol. Selvaggina 21: 239–248. (Lega Italiana Protezione Uccelli—Vicolo S. Tiburzio 5/a, 43100 Parma, Italy.) (Italian, Engl. summ.)
- TOSO, S., & I. CATTADORI. 1993. [The Partridge *Perdix perdix* in Italy: analysis of the origin and historic presence of a man-influenced species.] Suppl. Ric. Biol. Selvaggina 21: 175–186. (Nat. Inst. Fauna Selvatica—Via Ca' Fornacetta, 9, 40064 Ozzano dell'Emilia, Bologna, Italy.) (Italian, Engl. summ.)—Grey Partridge.
- TRYJANOWSKI, P. 1993. [Changes in the avifauna of the Chobienickie Lakes in 1978–1992.] Przegł. Przyr., 4(3): 171–180. (Powodowo 23/23, 64-200 Wolsztyn, Poland.)—*Bucephala clangula*, *Grus grus*, *Porzana porzana*, *Anas clypeata*. Proposes protection. (Polish, Engl. summ.)—J.P.
- TRYJANOWSKI, P. 1993. [Winter record of Saker Fal-

- con (*Falco cherrug*) in Wielkopolska.] Przegł. Przyr. 4(2): 76. (Powodowo 23/23, 64-200 Wolsztyn, Poland.) (Polish.)
- VOLF, Z. 1993. [The find of Black-throated Diver (*Gavia arctica*) in the Orlické Mts. region.] Panurus 5: 29-31. (Bartošovice v Orlických horách 62, 517 63, Czech Republic.)—2 cases in November 1992; first records. (Czech, Engl. summ.)—P.V.
- VRÁNA, J. 1993. [The occurrence of Wallcreeper (*Tichodroma muraria*) in the territory of Teplicko-Adršpašské skály.] Panurus 5: 33-34. (Borská 1850, 547 01 Náchod, Czech Republic.)—One record each in 1985 and 1987 resp.; first in East Bohemia. (Czech, Engl. summ.)—P.V.
- WYSOCKI, A. 1993. [Preliminary results of quantitative studies on the avifauna of alder-ash floodplain forest at Międzyodrze in Szczecin.] Przegł. Przyr. 4(2): 53-58. (Katedra Zoologii Kręgowców i Etologii, Uniwersytet Szczeciński, ul. Jedności Narodowej 22a, 70-453 Szczecin, Poland.) (Polish.)
- DISTRIBUTION—N. AFRICA, MID-EAST,
AND E. PALEARCTIC**
- BIANKI, V. V., ET AL. 1993. [The birds of the Kola Peninsula and White Sea.] Russ. J. Ornithol. 2: 491-586. (Kandalaksha State Reserve, Kandalaksha, Murmansk Region, 184040, Russia.) (Russian, Engl. summ.)
- BUCHKO, V. V., & I. S. SHKOLNY. 1994. [New data on the rare and uncommon bird species of the Middle Dniester Valley.] Berkut 3: 51-52. (No. 5, 46 Stasyuka Rd., Chernivtsi Region, 274029, Ukraine.) (Ukrainian, Engl. summ.)
- EL AGBANI, M. A., R. E. BAOUAB, & M. DAKKI. 1990. [Census of wintering waterbirds in Morocco: January 1990.] Doc. Inst. Sci., Rabat, 13: 1-26. (Inst. Scientifique, Avenue Ibn Battota, B.P. 703 Rabat-Agdal, Morocco.)—71 sites covered. (French, Engl. summ.)—S.H.
- ELDREDGE, W. D., ET AL. 1993. [The 1992 Russian-American aerial waterfowl surveys in north-eastern Asia.] Russ. J. Ornithol. 2: 457-460. (Div. Migratory Birds, USF&WS, Anchorage, 1011 E. Tudor Rd., AK 99802 USA.) (Russian, Engl. summ.)
- FURNESS, R. W., & L. R. MONTEIRO. 1995. Red-billed Tropicbird *Phaethon aethereus* in the Azores: first breeding record for Europe. Bull. Brit. Ornithol. Cl. 115: 6-8. (Dept. Oceanography & Fish., Univ. Azores, 9900 Horta, Azores.)
- GRISHCHENKO, V. N., ET AL. 1994. [Materials on the rare and vagrant bird species of the East Cherkassy Region.] Berkut 3: 49-55. (Kaniv, Cherkassy Region, 258300, Ukraine.) (Ukraine, Engl. summ.)
- KOZULIN, A. V., & S. I. SHOCKALO. 1994. [Wintering waterfowl in Byelorussia.] Russ. J. Ornithol. 3: 59-70. (Zool. Inst., Belorussian Acad. Sci., Skarinin 27, Minsk, 220732, Belarus.) (Russian, Engl. summ.)
- MEDVEDEV, N. V., & S. V. SAZONOV. 1994. [Waterfowl of the Valaam and West archipelagos of the Ladoga Lake.] Russ. J. Ornithol. 3: 71-81. (Forest Inst. Karelian Res. Ctr. Russian Acad. Sci., Pushkinskaya str. 11, Petrozavodsk, 185000, Russia.) (Russian, Engl. summ.)
- MIKHALEVICH, I., V. SEREBRYAKOV, & V. GRICHCHENKO. 1994. Atlas of breeding herons in Ukraine. Bird Census News 7/1: 32-37.—Covers 6 spp of herons.
- MONTEIRO, L. R., & R. W. FURNESS. 1995. Fea's Petrel *Pterodroma feae* in the Azores. Bull. Brit. Ornithol. Cl. 115: 9-14. (Dept. Oceanography & Fish., Univ. Azores, 9900 Horta, Azores.)
- NAVROTSKY, R. Y., & M. A. BOKOTY. 1994. [Sighting of an Oystercatcher in the Lviv Region.] Berkut 3: 19. (Zvuot, 18 Teatralna Rd., Lviv, 290008, Ukraine.)—*Haematopus ostralegus*. (Ukrainian, Engl. summ.)
- PIROGOV, H. G. 1994. [Materials on the rare and uncommon species of the Black Sea Nature Reserve.] Berkut 3: 50-51. (2A Lyugovya St., Poronaisk, Sakhalinsky Region, 694220, Russia.) (Russian, Engl. summ.)
- TECHNIQUES AND METHODS**
- ALLAN, D. 1994. The SAOS Nest Record Card Scheme (NERCS). Bird Numbers 1: 10-12.—The development of the South African nest record scheme (begun in 1952).
- ALVARENGA, H. M. F. 1992. [Osteological collections: perspectives in Brazilian ornithology.] Bol. Mus. Para. Emilio Goeldi, Zool. 8: 247-257. (Rua Colômbia 99, 12.030 Taubaté, SP, Brasil.)—How to prepare and preserve skeletons and skins; more collections needed. (Portuguese, Engl. summ.)—Y.O.
- ARGEL-DE-OLIVEIRA, M. M. 1993. [To publish or not to publish? Are lists of species necessary?] Bol. CEO 9: 36-41. (Av. Irerê 198, 04064-000 São Paulo, SP, Brazil.) (Portuguese.)
- ASSUMPTÃO, A., & E. O. WILLIS. 1994. [Two new methods for putting up nets to capture birds.] Atual. Ornitol. 60: 6-7. (Depto. Zool., UNESP, C. P. 199, 13.506-900 Rio Claro, SP, Brasil.)
- ELLEGREN, H. 1991. DNA typing of museum specimens of birds. Nature 354: 113. (Dept. Animal Breeding & Genetics, Swedish Univ. Agric. Sci., Box 7055, S-75007, Uppsala, Sweden.)—DNA was typed from 100-year-old specimens of *Ficedula hypoleuca* and *Hirundo rustica*.—G.S.
- FLOUSEK, J. 1994. Research and monitoring programme of the Czech Society for Ornithology. Bird Census News 7/1: 27-31.—The concentration of CSO's efforts on following projects from 1993: nest record scheme; ringing; breeding bird census; win-

- ter bird census; atlas mapping; bird site register; phenology; and faunistics.
- GREGORY, R. D., S. P. CARTER, & S. R. BAILLIE. 1994. **Monitoring breeding birds: a United Kingdom perspective.** *Bird Census News* 7/1: 16–24.—Addresses some of the difficulties inherent in the BTO's Common Birds Census. Describes the Pilot Census Project approach which uses point counts in 1-km squares at locations chosen at random, and the adoption of this approach in the Breeding Birds Survey starting in 1994.
- MERNE, O. 1994. **Monitoring Roseate Terns, *Sterna dougallii*, in Ireland.** *Bird Census News* 7/1: 25–26.—Describes measures used to reverse population decline which occurred in 1970s and 1980s, and early signs from 1989–1993 of the success of these methods.
- MIKHAILOV, D. V., & A. V. BARDIN. 1993. [Use of fat scoring to estimate body lipid reserves in the Great Tit *Parus major*.] *Russ. J. Ornithol.* 2: 461–469. (Zool. Inst., Russian Acad. Sci., Universitetskaya nab., 1, St. Petersburg, 199034, Russia.) (Russian, Engl. summ.)
- OATLEY, T. 1994. **The ringing scheme (SAFRING).** *Bird Numbers* 1: 6–7.—The development of the South African bird ringing scheme.
- OATLEY, T. 1994. **The dreaded coordinate.** *Bird Numbers* 1: 14–15.—Advice on avoiding errors in recording map references for atlas work.
- PARKER, V. 1994. **Atlasing in Swaziland: big birding in a small country.** *Bird Numbers* 1: 15–17.—Includes 6 examples of distribution maps.
- PERREMANS, K., A. F. DE BONT, & F. OLLEVIER. 1991. **Possible use of the diversity of featherprints for more accuracy in some birds.** *Gerfaut* 81: 161–175. (Zool. Inst., Naamsestraat 59, B-3000 Leuven, Belgium.)
- RHEINWALD, G. 1994. **A method to calculate totals of bird populations.** *Bird Census News* 7/1: 7–15.—Uses a comparison between results of standard censusing techniques and very detailed local censuses to estimate total populations in areas covered by the first method.
- STRADI, R., G. CELENTANO, & G. ROVATI. 1994. **A rapid and soft method for the quantitative isolation of feather carotenoids.** *Sitta* 6: 9–12.—Principles of an extraction method designed to avoid artefacts in the isolate, with 10 examples from 8 spp.
- VERGELES, Y. I. 1994. [Quantitative counts of bird populations: a methodological review.] *Berkut* 3: 43–48. (Flat 31, 12 Shakespear Street, Kharkov, 310180, Ukraine.) (Russian, Engl. summ.)
- Ornithological Literature* supplement of *The Auk*, *The Emu*, and *The Ibis*: R. T. Barrett; P. W. P. Brown; R. Bowman; M. Bateson; I. D. Endersby; Y. Ezaki; R. P. French; L. G. Grimes; F. Giller; S. Haywood; J. V. Impe; J. Ingels; A. R. Jolliffe; T. B. Jongeling; I. A. W. McAllen; E. O. Minot; J. L. Muddeman; G. Olioso; Y. Oniki; J. Pinowski; S. A. (Alagar) Rajan; R. Rufino; G. Sangster; N. J. Skinner; P. W. Stangel; V. T. Spalding; P. Vorisch; T. P. Weber.—R. Terry Chesser, Peter Cotgreave, Richard E. Major, and Pamela C. Rasmussen, Editors.
- Note #2.—Current and potential abstractors for the Nearctic, BOU, and RAOU regions are reminded to please address all correspondence to the new Coordinating Editor or the incoming editors for the appropriate regions; their addresses are listed at the bottom of the first page of this supplement.
- Volunteer abstractors are needed for the following journals:
- NEOTROPICAL: Contact R. Terry Chesser
- General*: *Ornitol. Neotrop.*; *Stud. Neotrop. Fauna Envir.*
Argentina: *Acta Zool. Lilloana*; *Hornero*; *Neotrópica*;
Rev. Mus. Arg. Cienc. Nat. Bernardino Rivadavia;
Nótulas Faunísticas; *Physis*
Bolivia: *Comun. Mus. Nac. Hist. Nat. La Paz*; *Ecol. Bolivia*
Chile: *Anal. Inst. Patagonia*; *Noticario Mensual*; *Rev. Chilena Hist. Nat.*
Colombia: *Boletín S.A.O.*; *Caldasia*; *Lozania*
Costa Rica: *Brenesia*; *Rev. Biol. Trop.*
México: *Acta Zool. Mexicana*; *Euphonia*
Paraguay: *Bol. Mus. Nac. Hist. Nat. Paraguay*
Uruguay: *Comun. Zool. Mus. Hist. Nat. Uruguay*
- NEARCTIC: Contact Jay M. Sheppard
- Am. Mus. Novit.*
Am. Zool.
Ann. Rev. Ecol. Syst.
Avian Dis.
Biol. Conserv.
Biometrics
Can. Wildl. Serv. Occas. Pap.
Can. Wildl. Serv. Prog. Notes
Curr. Adv. Anim. Behav.
Curr. Adv. Ecol. Res.
Ecol. Appl.
Game Bird Gazette
Hawk Migr. Stud.
Illinois Nat. Hist. Surv. Biol. Notes
J. Paleontol.
Mammal Species
Mem. Nuttall Ornithol. Club
Misc. Publ. Mus. Zool. Univ. Michigan
N. Am. J. Fish. Manage.
Nat. Areas J.
Nemouria
Northw. Nat. (formerly Murrelet)
Occas. Pap. Mus. Zool. Univ. Michigan

Note #1.—We are very grateful to the following AOU, BOU, and RAOU members and others, and the editors who contributed abstracts to, or otherwise assisted in the preparation of, this issue of the *Recent*

Picoides
Proc. California Acad. Sci.
Quebec Oiseaux
Smithsonian Contrib. Zool.
U.S. For. Serv. Gen. Tech. Rept.
U.S. For. Serv. Res. Note

U.S. For. Serv. Res. Pap.
U.S. For. Serv. Resour. Bull.

The editors also welcome suggestions from readers on journals that are not currently covered, and abstracts of articles that may have been missed in the last 3-4 years.