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RECENT PUBLICATIONS

Acta XVII Congressus Internationalis Ornithologici.—Edited by Rolf Nöhrig. 1980. Deutsche Ornithologen-Gesellschaft, Berlin. 1463 p. in two volumes. These are the proceedings of the 1978 International Ornithological Congress, held in Berlin. After the opening list of members, committee reports, and other business, there follow special lectures by D. S. Farner, K. Lorenz, E. Mayr, J. Aschoff, W. T. Keeton, and C. M. Perrins. The volumes are mostly devoted to papers, grouped according to the 36 symposia in which they were given. As usual at such congresses, a wide spectrum of subjects is covered: morphology, endocrinology, temperature regulation, flight, biorhythms, migration and orientation, vocalizations and hearing, behavior, habitat use, tropical ecology, community structure, co-evolutionary systems, speciation, urbanization, and much more. Furthermore, the papers tend to be more innovative, comprehensive, and carefully written than those given at national meetings. They are variously illustrated and each furnished with a list of references. The second volume closes with abstracts of the special interest group discussions, the poster presentations, and the films. Indexes.

Colonial Waterbird Group.—1980. Transactions of the Linnaean Society of New York, Volume IX. 158 p. Paper cover. \$12.00. Source: Secretary, Linnaean Society of New York, 15 West 77th St., New York, NY 10024. As the final event marking its Centennial Year in 1978, the Linnaean Society of New York hosted the second annual meeting of the Colonial Waterbird Group. A symposium on colonial species of waterbirds was arranged, and ten of the invited papers are presented here; the volunteered pa-

pers have been published separately by the C.W.G. The papers variously consider distribution, populations, census methods, feeding ecology, and nesting ecology, chiefly in seabirds, herons, and larids. They are each illustrated and furnished with a list of references. In addition, each paper is followed by a transcript of the ensuing discussion, often valuable comments and questions.

First Technical Meeting on Western Palearctic Migratory Bird Management: *Branta bernicla bernicla*/Proceedings.—Edited by M. Smart. 1979. International Waterfowl Research Bureau, Slimbridge (Glos.), England. 228 p. Paper cover. The dark-bellied race of the Brant breeds in the Russian Arctic and winters on estuarine and offshore mudflats in northwestern Europe, principally Britain and France. The population was at an alarmingly low level in the 1950's but has since increased to over 100,000. In order to obtain guidance on an international scale for sound management of the geese, a technical meeting was held in Paris in 1977, convening not only biologists but also hunting organizations, government agencies, and international conservation bodies. The reports (in French or English) are published in this volume, grouped by topic: status on the breeding, migration and wintering areas; migratory routes; feeding and breeding biology; and impact of human activities (conflicts with agriculture, hunting, and management). Two papers on the management of North American subspecies of Brant in Canada and the U.S. are given. Included with each report is the ensuing discussion, and the volume closes with the conferees' list of recommendations. Illustrations, references, list of participants.

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RECENT PUBLICATIONS

Aves Brasileiras. Volume I.—Johan Dalgas Frisch, with color plates by Svend Frisch. 1981. Dalgas-Ecoltec Ltda., São Paulo, Brasil. 353 p. Hardcover \$49.95, paper cover \$29.95; add \$5.50 for surface mail or \$17.50 for air mail. Source: Editora Dalgas-Ecoltec Ltda., Rua da Consolação, 3095. CEP 01416 São Paulo, SP Brasil. This book is a guide to the identification of Brazilian birds, probably the first of its kind. Color plates portray more than 1,200 species; although somewhat amateurish in style, they are entirely serviceable. A page facing each plate gives the names of the birds (scientific, Brazilian, and English), and an indication of their ranges in Brazil and adjacent countries. At the beginning of each family, a paragraph characterizes the appearance, habitats, and habits of the group. Closing chapters, addressed to novices, explain the techniques of watching and photographing birds, and recording their voices. The book will be indispensable as an aid in identification, although there is reason to think that it may not be entirely complete. Non-Brazilian ornithologists should have little trouble in understanding the Portuguese text as long as they can read another Romance language. Indexes.

The Scientific Results of the Oman Flora and Fauna Survey 1977 (Dhofar).—[1980]. Journal of Oman Studies, Special Report No. 2, Office of the Government Adviser for Conservation of the Environment, Sultanate of Oman. 400 p. £20.00. Source: Element Books Ltd., The Old Brewery, Tisbury, Salisbury, Wilts. SP3 6NH, England. The Sultanate of Oman occupies the eastern end of the Arabian Peninsula, and Dhofar is a mountainous province in its southwestern corner. A scientific team surveyed the region intensively for six weeks in 1977, and its findings are published in this book. The environment, vegetation, and various groups of animals are described in a series of reports by specialists. The chapter on the birds, by M. D. Gallagher and T. D. Rogers, discusses 91 species (of 188 seen) with new distributional and behavioral data for Dhofar and other parts of Oman. It is a valuable contribution to the zoogeography of Arabian birds. The volume is handsomely produced. Maps, drawings, photographs, lists of references.

g protein; 14.8 g lipid, 284 kcal energy, and 9.6 g calcium.

Penguins that do not eat during the egg formation period provide a striking contrast to the examples of birds cited by King (1973) and by Ricklefs (1974), in which food limitations reduce or halt egg production. The heavy demands that egg formation places on the nutrients stored during migration of wild geese (Raveling 1979) far exceed those for the two eggs laid by crested penguins (Warham 1974). The penguins of the present study need, for the early stages of egg formation, relatively small amounts of tissue reserves. Even during the two-week period before laying, the amounts of nutrients transferred daily from tissues to eggs are not large, and the total egg weight represents only 6% of the female's weight when she starts breeding.

The disparity in size between the first and second eggs of the clutch in eudyptids has been envisaged by Warham (1975:221) "as ensuring that when two eggs hatch only one chick survives after the first few days, but that if one egg is lost before hatching, the other, if still available, can take its place effectively." The larger, second egg of the clutch contains a slightly higher proportion of albumen and a lower proportion of yolk than the first, and produces a larger chick; however, size differences are apparently not important in relation to hatching (Warham 1975).

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RECENT PUBLICATION

International Vertebrate Morphologists Directory 1980.—Compiled and edited by G. Fleischer. 1981. H.-R. Duncker, Institute of Anatomy and Cell Biology, Justus-Liebig-University, Giessen. 182 p. Paper cover. Source: the publisher, Aulweg 123, D-6300 Giessen, West Germany. This is a directory to 646 vertebrate morphologists from 36 countries, those who responded to Professor Duncker's first solicitation for entries. Each entry gives the scientist's name, address, and specialty. Following this

catalog list are indexes according to vertebrate group, organ system, method, and country. The directory should foster communication among fellow-specialists (this reviewer was unaware of some of his listed colleagues) and assist non-morphologists in finding such people when their expertise is needed. Duncker encourages unlisted morphologists to make themselves known to him so that a fuller edition can be published.

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RECENT PUBLICATIONS

The Relationships of the Pedionomidae (Aves: Charadriiformes).—Storrs L. Olson and David W. Steadman. 1981. Smithsonian Contributions to Zoology No. 337, Smithsonian Institution Press, Washington, DC. 25 p. Paper cover. The Australian Plains-wanderer (*Pedionomus torquatus*) has been placed in a monotypic family long thought to be related to the button-quails, Family Turnicidae, now included in the Order Gruiformes. Stimulated by a 1969 study by W. J. Bock and A. McEvey which showed that its skeleton differs greatly from that of *Turnix*, Olson and Steadman undertook further comparisons of the bird. In this report on its osteological characters, they show it to be a charadriiform, most similar to the South American seedsnipes, Family Thinocoridae. *Pedionomus* tends to bridge the gap between that group and the more typical Charadriiformes. Photographs, references.

The Cuckoo.—Ian Wyllie. 1981. B. T. Batsford, Ltd., London. 176 p. £8.95. Of the approximately 80 species of brood parasitic birds known worldwide, the European Cuckoo (*Cuculus canorus*) shows some of the most advanced adaptations for the habit. Also, it has surely received the most attention. The making of a wildlife film about the bird led the author to a six-year field study of cuckoos parasitizing Reed Warblers (*Acrocephalus scirpaceus*), using marked individuals in Cambridgeshire, England. Drawing on his findings as well as the copious literature, he presents here a complete picture of the ecology and general biology of the species. Information about the cuckoo is supplemented with that on other cuckoos and other parasitic birds. Wyllie makes an effort to winnow facts from the many theories concerning the cuckoo's habits, and to confirm or refute speculations on the basis of careful observations. He illustrates his points with many remarkable photographs of birds at nests, in monochrome and in color. Students of cowbirds and other brood parasitic species will find a great deal of interest in this book. Scientific, yet understandable, it exemplifies an approach to natural history writing that is cultivated in Britain more than in the U.S. References, index.

Experimental chicks became increasingly defensive of their nests throughout the initial period and remained in their nests during the observation period. The habituated behavior of experimental chicks may have increased the probability of their fledging and survival.

Since many studies of nestlings (e.g., growth analysis) involve repeated, high-intensity disturbance, the effect of infrequent, low-intensity disturbance has rarely been evaluated. The capability of nestlings to respond to repeated disturbance may explain why breeding success is generally less sensitive to disturbance during the chick-phase than the egg-phase.

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RECENT PUBLICATIONS

Where to Find Birds in New York State/The Top 500 Sites.—Susan Roney Drennan. 1981. Syracuse University Press. 499 p. Hardcover \$38.00, paper cover \$18.95. Source: Syracuse University Press, 1011 East Water Street, Syracuse, NY 13210. This book is precisely what its title says. Covering the entire state of New York, it provides practical information on many more than 500 sites where birding is rewarding. "The state has been divided into ten regions based on the presently existing reporting regions as defined by the Federation [of New York State Bird Clubs] . . . Each region has an overall map showing the location and name of each of its sites. Detailed accounts of each site, organized by county, include directions for reaching the site, some of its botanical, geological, and avian merits, its best seasons, and, of course, the exceptional and many common birds which may or should be there." Many detailed site maps are also given. Special chapters cover pelagic birding and vantage sites for hawk migration. Admirably planned and executed, this birding Baedeker will be invaluable in New York and might well serve as a model for guides in other states.

Familiar Birds of the Northwest.—Harry B. Nehls. 1981. Portland Audubon Society. 185 p. Paper cover. \$6.95. Source: Portland Audubon Society, 5151 N.W. Cornell Road, Portland, OR 97210. This little book is an introductory guide to the common birds of the Pacific Northwest. It combines, revises, and enlarges two earlier publications of the Portland Audubon Society: on land birds by David B. Marshall and on waterbirds by Harry B. Nehls. Unlike field manuals, the species accounts are not telegraphic or subdivided, but are easily readable paragraphs. They sketch identification features, habits, preferred habitat, distribution, and seasonal status in the region. No details are given and many descriptive phrases are vague. Color paintings by R. Bruce Horsfall, Amy C. Fisher, L. B. McQueen, and Zella M. Schultz depict the birds in natural settings, one species per picture. While many of the paintings are nice, this treatment occupies a lot of space that could have been put to better use.

(Aggressive Approach and Triumph Ceremony) in the presence of established breeding pairs. This observation suggests the possibility that within wild populations, the proportion of physiologically capable, but reproductively inactive, individuals may vary annually with the population structure in relation to the availability of food and space.

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RECENT PUBLICATION

North American Game Birds and Mammals.—A. Starker Leopold, Ralph J. Gutiérrez, and Michael T. Bronson. Illustrated by Gene M. Christman. 1981. Charles Scribner's Sons, New York. 198 p. \$19.95. This is a concise and accurate sourcebook for information on the natural history, geographic distribution, and status of important North American game species. It treats 135 species of birds and mammals currently or formerly exploited for food, sport, or profit, as game animals or fur bearers. The

birds include cranes, rails, snipe and woodcock, pigeons and doves, grouse, quail, pheasant, turkey, geese, and ducks. Every species is shown in excellent pencil drawings and a detailed map of the original and present ranges. The book is intended for sportsmen and others who enjoy watching wildlife. Birders and those who hunt only birds may prefer a book that covers only birds and does so more fully. Glossary, references, index.

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- 624 Fountain Ave., Redlands, California 92373. Address of second author: Aladdin Rt. Box 160 E, Colville, Washington 99114. Received 26 October 1979. Final acceptance 25 January 1982.

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RECENT PUBLICATIONS

An Annotated Bibliography of the Red-cockaded Woodpecker, *Picoides borealis*.—Jerome A. Jackson. [1981]. Savannah River Plant, National Environmental Research Park Program, U.S. Dept. of Energy. 290 p. Paper cover. Source: Librarian, Savannah River Ecology Laboratory, P.O. Drawer E, Aiken, SC 29801. This well-compiled bibliography lists nearly 1,800 publications pertaining to the Red-cockaded Woodpecker, ranging from research articles to a bare mention. Each entry is coded to show its particular subject; reciprocally, an index lists the entries according to subject category.

International Registry of Poultry Genetic Stocks; a Directory of Specialized Lines and Strains, Mutations, Breeds and Varieties of Chickens, Japanese Quail and Turkeys.—Ralph G. Somes, Jr. 1981. Bulletin 460, Department of Nutritional Sciences, University of Connecticut, Storrs. 97 p. Paper cover. \$3.00. Source: author, Dept. of Nutritional Sciences, Univ. Connecticut, Storrs, CT 06268. This fourth edition of the Registry now includes stocks from 17 different countries. Of its seven sections, Sections I, II, and V list, describe, and give sources for specialized forms of the three poultry species considered. Section III lists the known genetic traits and their gene symbols for these birds. Section IV presents the three chromosome linkage maps. Section VI describes the chicken plumage colors grouped according to the *E* locus. The last section lists the

addresses of breeders and suppliers. A useful reference not just for poultry geneticists but for other scientists who use poultry for their research.

The Wading Birds of North America (North of Mexico).—Text by Allan W. Eckert, paintings and drawings by Karl E. Karalus. 1981. Doubleday & Co., Inc., Garden City, NY. 252 p. \$49.95. This is a coffee-table book about North American ciconiiforms, gruiforms, and flamingos, some 31 species. The species accounts touch on the scientific and colloquial names, external morphology and coloration, habitat, enemies and defenses, feeding and nesting habits, migration, and economic role. Much space is devoted to subspecies, yet no measurements are given and the taxonomy is not considered. Overall, the treatment is superficial, diffuse, and undocumented. The list of references contains nothing later than 1975, and omits many pertinent works, notably Volume 1 of Palmer's *Handbook*. That book and others (e.g., Terres's *Encyclopedia* [noticed in *Condor* 83:170]) are more detailed and up-to-date sources of information about these birds. The illustrations are attractive, especially the sketches, but they are far from outstanding; the colors of many of the paintings seem too bright. The range maps are less accurate and current than those in the *Handbook* or in field guides. The book has little to recommend it, especially at such a high price.

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RECENT PUBLICATION

Suggested Practices for Raptor Protection on Power Lines/The State of the Art in 1981.—Richard R. Olen-dorff, A. Dean Miller, and Robert N. Lehman. 1981. Raptor Research Report No. 4, Raptor Research Foundation, Inc. 111 p. Paper cover. Source: Raptor Research Found., Dept. of Veterinary Biology, University of Minnesota, St. Paul, MN 55101. Hundreds of eagles and lesser numbers of other raptors have been electrocuted as a result of perching on power lines, mostly in the western U.S. During the past decade, concern over this situation has engendered research on the biological and the engineering aspects of

the problem. This report, prepared and distributed for the Edison Electric Institute, synthesizes those findings in a practical handbook. After outlining the issue, it covers the biological aspects of raptor electrocution, power line design and modification for raptor safety, and methods for mitigating other effects of power line construction and operation that are harmful to the birds. It is furnished with engineering drawings, a long annotated bibliography, and an index. An encouraging example of a conservation problem that is being solved by collaboration among biologists, industrial people, and government authorities.

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RECENT PUBLICATIONS

Birds of a Feather. Unpublished letters of W. H. Hudson.—Edited and introduced by Dennis Shrubbsall. 1981. Moonraker Press, Bradford-on-Avon, Wilts., Great Britain. 108 p. \$16.00. Source: Buteo Books, P.O. Box 481, Vermillion, SD 57069. Hudson left Argentina for England in 1874, when he was 33, and lived there for the rest of his long life. (For an introduction to his history, see the bibliography by J. R. Payne, noticed in *Condor* 79:510.) Published here for the first time are his letters to J. R. Harding, Mrs. Emma Hubbard, and Mrs. Eliza Phillips. Hudson replied to their questions about birds, thanked them for proffered information, and related his own thoughts and doings. His letters are helpfully annotated here by Dennis Shrubbsall, a Hudson scholar. They do not disclose any important new details about him, yet nevertheless help to show why he was so favored as an English country writer. The book is beautifully illustrated with wood engravings by Marcus Beaven. Index.

The Peregrine Falcon in Greenland/Observing an Endangered Species.—James T. Harris. 1981. University of Missouri Press, Columbia. 254 p. Paper cover. \$8.95. A fine piece of nature writing, this account of peregrine studies during a Greenland summer combines personal observations and feelings with scientific background. This paperback edition of a book first published in 1979 (noticed in *Condor* 81:389) carries a new preface with updated information about the status of the species.

The History of the Federation of Alberta Naturalists and Its Corporate Member Clubs.—Edited by Martin K. McNicholl. 1981. Alberta Naturalist, Special Issue No. 1. 152 p. Paper cover. \$7.00 Can. (\$6.00 if picked up personally at any corporate member club). Source: Federation of Alberta Naturalists, Box 1472, Edmonton, Alberta T5J 2N5, Canada. The natural history of the Alberta region has been studied scientifically since the early 19th century, and has attracted much attention from professionals and amateurs. Natural history clubs arose just before the turn of the century, and in 1970, six of them collaborated in forming the Federation of Alberta Naturalists. This book is a fully detailed history of the FAN, its corporate member clubs, its officers and patrons during its first decade. The chapters and sections are written by many individual members of the clubs. It is good to have these names and events recorded accurately while there are still people who remember them. Photographs.

Bird Banding in Alberta.—Edited by Martin K. McNicholl. 1981. Alberta Naturalist, Special Issue No. 2. 73 p. Paper cover. \$3.50 Can. (\$3.00 if picked up personally). Source: as above. Banding has been carried out in Alberta since the 1920's, starting with ducks and Rowan's work with gulls, crows and juncos. In recent years, attention has been directed especially toward hawks and owls. This booklet reviews the history of bird banding in Alberta, reprints a 1928 article by Rowan and offers several papers on the results of banding studies in the province. Much of this research appears to be well-focussed and informative. Photographs, maps, diagrams.