

BIBLIOGRAPHY

- ALI, S. & RIPLEY, S.D. 1972. *Handbook of the birds of India and Pakistan.* Oxford Univ. Press, Bombay.
- ALLCHURCH, A.F. 1986. *The nutritional handbook of the Jersey Wildlife Preservation Trust.* Jersey Wildlife Preservation Trust.
- ALTMANN, J. 1973. Observational study of behaviour: sampling methods. *Behaviour* 49: 227-267.
- ANDERECK, R., FREY, H. & MULLER, H.U. 1984. Reintroduction of the Bearded vulture or Lammergeier *Gypaetus barbatus aureus* to the Alps. *Int. Zoo Yb.* 23: 35-41.
- ANDERSON, J.L. 1986. Restoring a wilderness: the reintroduction of wildlife to an African national park. *Int. Zoo Yb.* 24/25: 192-199.
- ANON 1967. *Proceedings and papers. Towards a new relationship of man and nature in temperate lands.* Part 3. IUCN Publs (N.S.) No. 9.
- ANON 1987. *The IUCN position statement on translocation of living organisms.* IUCN, Gland, Switzerland.
- BAEYENS, G. 1981. Magpie breeding success and Carrion crow interference. *Ardea* 69: 125-139.
- BAKER, A.Z. 1964. *Dietetics and Nutrition.* Faber & Faber, London.
- BALCHIN, W.G.V. 1983. *The making of the English landscape; The Cornish landscape.* Hodder & Stoughton, London.
- BALEN, J.H. VAN, 1973. A comparative study of the breeding ecology of the Great tit *Parus major* in different habitats. *Ardea* 61: 1-93.
- BARBASH, N.M. 1988. *Studies on the biology of Tipula paludosa Meigen (Diptera: Tipulidae) with special reference to mortality factors.* Ph.D thesis, Univ. of Glasgow.
- BARUS, S.V., RYSAVY, B., GROSCHAFT, J. & FOLK, C. 1972. The helminth fauna of *Corvus frugilegus* in Czechoslovakia and its ecological analysis. *Acta. Sci. Nat.* 6: 1-53.
- BATTEN, L., FLEGG, J., SORENSEN, J., WAREING, M.J., WATSON, D. & WRIGHT, M. 1973. *Birdwatcher's year.* T. & A.D. Poyser Ltd.
- BAXTER, E.V. & RINTOUL, L.J. 1953. *The birds of Scotland.* Oliver and Boyd, Edinburgh.
- BECKERLEGGE, L.M. 1972. The Cornish "Chaw" or Chough. *Old Cornwall Journal.* 7: 454-457.
- BELON, P. (Belonius). 1555. *L'histoire de la nature des oyseaux.*
- BIGNAL, E., MONAGHAN, P., BENN, S., BIGNAL, S., STILL, E. & THOMPSON, P.M. 1987a. Breeding success and post-fledging survival in the Chough *Pyrrhocorax pyrrhocorax.* *Bird Study* 34: 39-42.

- BIGNAL, E., BIGNAL, S. & STILL, E. 1987b. Gapeworm infection in Choughs. *Ringing & Migration* 8: 56-58.
- BIGNAL, E., CURTIS, D.J. & MATTHEWS, J.L. 1988a. *Islay: land-types, bird habitats and nature conservation. Part I. Land-use and birds on Islay*. CSD Report No. 809. Nature Conservancy Council, Peterborough.
- BIGNAL, E., BIGNAL, S. & EASTERBEE, N. 1988b. *The recent status and distribution of Pyrrhocorax pyrrhocorax in Scotland*. CSD Report No. 843. Nature Conservancy Council, Peterborough.
- BIGNAL, E. & CURTIS, D.J. (ed's) 1989. *Choughs and land-use in Europe*. Proc. international chough workshop, Pyrrhocorax pyrrhocorax, 11-14 November 1988. Scottish Chough Study Group.
- BIGNAL, E., BIGNAL, S. & CURTIS, D.J. 1989. Functional unit systems and support ground for Choughs - the nature conservation requirements. In Bignal & Curtis (ed's) 1989.
- BLIGHT, J.T. 1861. *A week at the Lands End*. Truro & London.
- BOITANI, L. (ed.) 1977. Reintroductions: techniques and ethics. Proc. of seminar, 29-30 June 1976, Rome. WWF Italia, Serie atti e studi 2: 1-303.
- BONHOTE, J.L. 1907. *Birds of Britain*. A & C Black, London.
- BORLASE, W. 1758. *The natural history of Cornwall. The air, climate, waters, rivers, lakes, sea, and tides, etc*. Oxford.
- BOYD, L.L. 1978. Artificial insemination of falcons. *Symp. Zool. Soc. Lond.* 43: 73-80.
- BRAMBELL, M.R. 1980. Reintroduction. *Int. Zoo Yb.* 17: 112-116.
- BREEZE-JONES, E.V. 1959. Choughs at a cavern nest. *Country Life*. May 21: 1126-1127.
- BRENDELL, M.J.D. 1975. *Coleoptera Tenebrionidae. Handbooks for the identification of British insects V,10*. Royal Entomological Society, London.
- BRIAN, M.V. 1977. *Ants*. New Naturalist Series, Collins.
- BRISTOL UNIVERSITY 1987. *Studies of the past and present land-use of the clifflands of the Lizard District, Cornwall*. Unpubl. Restricted Report 11, Bristol University Lizard Project.
- BROCK, M.K., BIRD, D.M. & ANSAH, G.A. 1984. Cryogenic preservation of spermatozoa of the American kestrel *Falco sparverius*. *Int. Zoo Yb.* 23: 67-71.
- BROWN, A.F. & THOMPSON, D.B.A. 1986. Parasite manipulation of host behaviour: shrimps and acanthocephalans in the laboratory. *J. Biol. Educ.* 20: 121-128.
- BROWN, C. 1984. Breeding and hand-rearing the Common kestrel *Falco tinnunculus* and other bird of prey species. *Int. Zoo Yb.* 23: 71-75.

- BROWN, P. & WATERSTON, G. 1962. *The return of the Osprey*. London.
- BRUNING, D.F. 1984. Breeding the Andean condor *Vultur gryphus* at the New York Zoological Park. *Int. Zoo Yb.* 23: 11-14.
- BRYANT, D.M. 1973. The factors influencing selection of food by the House martin (*Delichon urbica*). *J. Anim. Ecol.* 42: 539-564.
- BTO (BRITISH TRUST FOR ORNITHOLOGY) 1990. *BTO News* 167: 12. BTO, Tring, Hertfordshire.
- BUCHANAN, J.H. 1882. The history of the Chough (*Fregilus graculus*) in Scotland. *Proc. Royal Phys. Soc.* 7: 94-107.
- BUCKLAND, P.C. & COOPE, G.R. 1990. *A review and bibliography of Quaternary Entomology*. University of Sheffield.
- BULLMORE, W.K. 1866. *Cornish fauna*. Report to Royal Cornwall Polytechnic Society. Falmouth.
- BULLOCK, I.D. 1980. *Some aspects of the ecology of the Chough*. Unpublished MSc thesis, Univ. College of North Wales.
- BULLOCK, I.D. 1985. Unpubl. report to the National Trust, Cornwall.
- BULLOCK, I.D. & DEL-NEVO, A. 1983. The Choughs of the Calf. *Peregrine* 5: 226-229.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1983a. The Chough in Britain and Ireland. *Brit. Birds* 76: 377-400.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1983b. The Chough in Ireland. *Irish Birds* 2(3): 257-271.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1983c. The Chough on the Isle of Man. *Peregrine* 5: 229-237.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1983d. *The status of the Chough in Pembrokeshire, 1982*. Unpubl. RSPB report to Pembrokeshire Coast National Park Authority.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1983e. *The Cornish Chough and modern Cornwall*. Unpubl. report.
- BULLOCK, I.D., DREWETT, D.R. & MICKLEBURGH, S.P. 1985. The Chough in Wales. *Nature in Wales (New Series)* 4: 46-57.
- BULMER, M.G. & PERRINS, C.M. 1973. Mortality in the Great Tit (*Parus major*) *Ibis* 115: 277-281.
- BUNCE, R.G.W. & SHAW, M.W. 1973. A standardised procedure for ecological survey. *J. Env. Management* 1: 239-258.
- CABOT, D. 1965. The status and distribution of the Chough in Ireland 1960-65. *The Irish Naturalists' Journal* 15: 95-100.
- CADE, T.J. 1960. Ecology of the Peregrine and Gyrfalcon populations in Alaska. *Univ. California publications in Zoology* 63: 151-290.

- CADE, T.J. 1980. The husbandry of falcons for return to the wild. *Int. Zoo Yb.* 20: 23-35.
- CADE, T.J. 1986. Propagating diurnal raptors in captivity: a review. *Int. Zoo Yb.* 24/25: 1-20.
- CAMDEN, W.C. 1586 (trans. 1610). *Brittania, London.* London.
- CAREW, R. 1602. *The survey of Cornwall.* Jaggard, London.
- CHANDLER, T.J. & GREGORY, S. 1976. *The climate of the British Isles.* Longman, London & New York.
- COLLAR, N.J. & GORIUP, P.D. 1980. Problems and progress in the captive breeding of Great bustards (*Otis tarda*) in quasi-natural conditions. *Avic. Mag.* 86: 131-140.
- COOMBS, F. 1978. *The crows. A study of the corvids of Europe.* Batsford.
- COUCH, J. 1838. *A Cornish fauna.*
- COWDY, S. 1962. Post-fledging behaviour of Choughs on Bardsey Island. *Brit. Birds* 55: 229-233.
- COWDY, S. 1972. *Choughs on Ramsey.* Unpubl. report to RSPB.
- COWDY, S. 1973. Ants as a major food source of the Chough. *Bird Study* 20: 117-120.
- COX, F.E.G. 1968. Parasites of British earthworms. *J. Biol. Educ.* 2: 151-164.
- CULLEN, J.P. 1989. The history and status of the Chough in the Isle of Man. In Bignal & Curtis (ed's) 1989.
- CULLEN, J.P. & JENNINGS, P.P. 1986. *Birds of the Isle of Man.*
- CURTIS, D.J., CURTIS, E.J., BIGNAL, E. & CORRIGAN, H. 1989. Land-type selection and vegetation-type selection by Choughs on Islay. In Bignal & Curtis (ed's) 1989.
- DARKE, T.O. 1971. *The Cornish Chough.* D. Bradford Barton, Truro.
- DAVIDSON, N.C., TOWNSHEND, D.J., PIENKOWSKI, M.W. & SPEAKMAN, J.R. 1986. Why do Curlews *Numenius* have decurved bills? *Bird Study* 33: 61-69.
- DEFOE, D. 1768. *A tour through the whole of Great Britain.* London.
- DELALANDE, J.M. 1850. Ann. Soc. acad. Nantes 21.
- DEMENTIEV, C.T. & GLADKOV, N.A. 1951. *Birds of the Soviet Union.* Israel Program of Scientific Translation, Jerusalem, 1969.
- DENNISTON, C. 1978. Small population size and genetic diversity: implications for endangered species. In Temple, S.A. (ed.) 1978.
- DESPORTES, J.P., METCALFE, N.B., POPP, J.W., MEYER, R.M., GALLO, A. & CEZILLY, F. 1990. The predictability and patterns of vigilant behaviour. *Behavioural Processes* 22: 41-46.

- DEVICK, W.S. 1982. Status of the Nene population on Hawaii and Maui between 1975 and 1980. *Proc. Hawaii Volcanoes natn. Park nat. Sci. Conf.* 4: 60.
- DIAMOND, J.M. 1975. The island dilemma: lessons of modern biogeographic studies for the design of natural reserves. *Biol. Conservation* 7: 129-146.
- DIAMOND, J.M. & MAY, R.M. 1976. Island biogeography and the design of nature reserves. In *Theoretical ecology: principles and applications* (ed R.M. MAY) Blackwell, Oxford.
- DIXON, A.M. 1986. Captive management and the conservation of birds. *Int. Zoo Yb.* 24/25: 45-49.
- DIXON, C. 1888. *Our rarest birds*. Bentley, London.
- DOBSON, R. 1952. *The birds of the Channel Islands*. Staple Press, London.
- DOMIN, K. 1923. Is the evolution of the earth's vegetation tending towards a smaller number of climatic formations? *Acta Botanica Bohemica* 2: 54-60.
- DONOVAN, J.W. 1972. The Chough in Pembrokeshire. *Nature in Wales* 13: 21-23.
- DORY, M.A.G. 1983. Datos sobre la ecología del género *Pyrrhocorax* (*P. pyrrhocorax* y *P. graculus*) en el Parque Nacional de la Montaña de Covadonga, Asturias. *Alytes* 1: 411-448.
- DORY, M.A.G. 1989. Brief report on the current status of the Chough in the Cordillera Cantábrica, Spain. In Bignal & Curtis (ed's) 1989.
- DOWELL, S.D. 1990a. A comparison of the behaviour and survival of released captive-reared and wild Grey partridges in Britain. In D.A. Hill, P.J. Garson & D. Jenkins (ed's) 1990.
- DOWELL, S.D. 1990b. The development of anti-predator responses in Grey partridges and Common pheasants. In D.A. Hill, P.J. Garson & D. Jenkins (ed's) 1990.
- DUBUISSON-AUBENAY 1898. Itinéraire en Bretagne en 1636. *Soc. Bibliophiles bretons*. Nantes.
- DUGMORE, A.J. 1986. *Beetle remains in bird pellets from Bjornskot, South Iceland*. Discussion Paper 6, Department of Geography, University of Aberdeen.
- DUNNET, G.M., FORDHAM, R.A. & PATTERSON, I.J. 1969. Ecological studies of the Rook *Corvus frugilegus* L. in north-east Scotland. Proportion and distribution of young in the population. *J. Appl. Ecol.* 114: 360-366.
- D'URBAN, W.S.M. & MATTHEW, M.A. 1895. *The birds of Devon*. London.
- EASTERBEE, N. & BIGNAL, S. 1989. Status and distribution of Chough in Scotland 1986, and some recent changes. In Bignal & Curtis (ed's) 1989.

EC DIRECTIVE 1985. *Council resolution of the 2nd April 1979 concerning Directive 79/409/EEC on the conservation of wild birds.* 85/411/EEC, July 1985.

EDMONDS, E.A., MCKEOWN, M.C. & WILLIAMS, M. 1975. *British regional geology: South-west England.* HMSO, London.

EDMONDS, R. 1862. *The Land's End district: its antiquities, natural history, natural phenomena, and scenery.* London & Penzance.

ELLIS, M. (ed.) 1988. *Operation Chough; the story of the Cornish Chough - will it ever return?* The Rare and Endangered Birds Breeding Centre, Hayle.

ELTON, C.S. 1966. *The pattern of animal communities.* Methuen & Co. Ltd., London.

EVANS, P.R. 1976. Energy balance and optimal foraging strategies in shorebirds: some implications for distributions and movements in the non-breeding season. *Ardea* 64: 117-139.

EVANS, S.B.E., MEYER, R.M. & HAYCOCK, R.J. 1989. *Botanical survey of key Pembrokeshire Chough feeding sites.* Unpubl. report, NCC Dyfed-Powys.

FEARE, C. 1984. *The Starling.* Oxford Univ. Press.

FEARE, C.J., DUNNET, G.M. & PATTERSON, I.J. 1974. Ecological studies of the Rook (*Corvus frugilegus L.*) in North East Scotland: food intake and feeding behaviour. *J. Appl. Ecol.* 11: 867-896.

FENTZLOFF, C. 1984. Breeding, artificial incubation and release of White-tailed sea eagles *Haliaeetus albicilla*. *Int. Zoo Yb.* 23: 18-35.

FIENNES, C. 1699. *Through England on a side-saddle in the time of William and Mary.* Edn. P. Cresset 1947.

FITTER, R.S.R. 1982. Arabian oryx returns to the wild. *Oryx* 16: 406-410.

FOOSE, T.J. 1983. The relevance of captive populations to the conservation of biotic diversity. In *Genetics and conservation* (ed's C.M. Schonewald-Cox, S.M. Chambers, B. MacBryde & W.L. Thomas). Benjamin/Cummings, Menlo Park, CA.

FORREST, H.E. 1907. *The fauna of North Wales.* Witherby, London.

FOWLER, J. & COHEN, L. undated. *Statistics for ornithologists.* BTO Guide No. 22. British Trust for Ornithology.

FRANKEL, O.H. & SOULE, M.E. 1981. *Conservation and evolution.* Cambridge University Press.

FRANKENBURG von, O. 1974. Wo der Uhu jagt. *Die Pirsch* 26: 874-877.

FRANKENBERG UND LUDWIGSDORF von, O., HERRLINGER, E. & BERGERHAUSEN, W. 1984. Reintroduction of the European eagle owl *Bubo b. bubo* in the Federal Republic of Germany. *Int. Zoo Yb.* 23: 95-100.

FRANKLIN, I.R. 1980. Evolutionary change in small populations. In Soule, M.E. & Wilcox, B.A. (ed's) 1980.

- FRASER, R. 1794. *A general view of the county of Cornwall with observations on the means of its improvement.* Board of Agriculture and Internal Improvement, London.
- FREEMAN, B.E. 1967. Studies on the ecology of larval Tipulinae (Diptera, Tipulidae). *J. Anim. Ecol.* 36: 123-146.
- FREEMAN, B.E. 1968. Studies on the ecology of adult Tipulidae (Diptera) in southern England. *J. Anim. Ecol.* 37: 339-362.
- FYFE, R.W., ARMBRUSTER, H., BANASCH, U. & BEAVER, I.J. 1978. Fostering and cross-fostering birds of prey. In Temple, S.A. (ed.) 1978.
- GALBRAITH, H. 1986. *Effects of agricultural land-use on the breeding ecology of Lapwings.* Unpubl. Ph.D thesis, Univ. of Glasgow.
- GAMBLE, R. 1984. *Chough census in Stackpole NNR.* Unpubl. report to NCC.
- GAMBLE, R. & HAYCOCK, R.J. 1988. *A Chough feeding survey; Castlemartin R.A.C. tank range and Stackpole Warren National Nature Reserve.* Unpubl. NCC internal report.
- GARSON, P.J. 1983. The Cheer pheasant *Catreus wallichii* in Himachal Pradesh, Western Himalayas: an update. *J. Wild Pheasant Ass.* 8: 29-39.
- GARSON, P.J. 1990. Summary of discussion on captive breeding for reintroduction with special reference to the Cheer pheasant in Pakistan. In D.A. Hill, P.J. Garson & D. Jenkins (ed's) 1990.
- GARSON, P.J., YOUNG, L. & KAUL, R. (1991). Ecology and conservation of the Cheer pheasant: studies in the wild and the progress of a reintroduction project. *Biological Conservation* 56: in press.
- GATEHOUSE, A.G. & MORGAN, M.J. 1973. Notes on the predation of coleoptera in sheep dung by Choughs in north Wales. *Nature in Wales* 13: 267.
- GEORGE, T.N. 1970. *British regional geology: South Wales.* HMSO, London.
- GESNER, C. 1555. *Historia Animalium.* Vol III, De Avibus.
- GIBB, J.A. 1954. The feeding ecology of tits, with notes on the Treecreeper and Goldcrest. *Ibis* 96: 513-543.
- GILBERT, H.A. 1927. Notes on the nesting habits of the Peregrine falcon. *Brit. Birds* 21: 26-30.
- GIRLING, M.A. 1977. Bird pellets from a Somerset Levels Neolithic trackway. *Naturalist (Leeds)* 102: 49-52.
- GLATSON, A.R. 1986. Studbooks: the basis of breeding programmes. *Int. Zoo Yb.* 24/25: 162-167.
- GOODERS, J. 1983. *Birds that came back.* Deutsch, London.
- GOODWIN, D. 1986 (2nd ed.). *Crows of the world.* British Museum (Natural History), London.
- GRAY, R. 1871. *The birds of the west of Scotland and the Outer Hebrides.*, Murray, Glasgow.

- GREEN, R.E. & TYLER, G.A. 1989. Determination of the diet of the Stone curlew *Burhinus oedicnemus* by faecal analysis. *J. Zoo. Soc. London* 217: 311-320.
- GREENSLADE, P.J.M. 1964. Pitfall trapping as a method of studying populations of Carabidae (Coleoptera). *J. Anim. Ecol.* 33: 301-310.
- GRIMWOOD, I.R. 1963. Operation Oryx. *Oryx* 6: 308-334.
- GRIMWOOD, I.R. 1964. Operation Oryx: the second stage. *Oryx* 7: 223-225.
- GROMADZKI, M. 1979. Food requirement and effect of Starling, *Sturnus vulgaris* L. on agriculture in Zulawy Wislane. *Acta Ornithol.* 16: 467-492.
- GUERMEUR, Y. & MONNAT, J-Y. 1980. *Histoire et geographie des oiseaux nicheurs de Bretagne*. Ministere de l'environnement et du cadre de vie direction de la protection de la nature.
- GUICHARD, G. 1962. Le Crave a bec rouge *Pyrrhocorax p. erythrorhampus* V.. *Oiseau* 32: 1-4.
- GUILLOU, J.J. 1981. Problemes de la distribution du Crave *Pyrrhocorax pyrrhocorax* en Europe occidentale. *Ois. et Rev. Fr. orn.* 51: 177-187.
- HAIGH, R. 1984. The breeding and artificial incubation of hawks, buzzards and falcons *Accipiter*, *Buteo* and *Falco* spp. *Int. Zoo Yb.* 23: 51-58.
- HALLIDAY, T. 1978. *Vanishing birds*. Sidgwick & Jackson, London.
- HANBURY, R. 1975. *Invertebrate sampling on Ramsey, Pembrokeshire*. Unpubl. report to RSPB.
- HARDE, K.W. 1984. *Beetles*. Octopus Books, London.
- HARDING, P.J. & SUTTON, S.L. 1985. *Woodlice in Britain: distribution and habits*. Institute of Terrestrial Ecology, Huntingdon.
- HART, J.F. 1953. The changing distribution of sheep in Britain. *Econ. Geog.* ?: 260-274.
- HAWKER, R.S. 1846. *Echoes from old Cornwall*. London.
- HAYCOCK, R.J. 1975. *Calf of Man bird observatory report*. London
- HAYCOCK, R.J. & BULLOCK, I.D. 1982. Choughs attracted to burnt areas for food. *British Birds*. 75: 91-92.
- HAYCOCK, R.J. & MEYER, R.M. 1988. *Faecal analysis of Chough droppings at Stackpole NNR*. Poster presented at International Workshop on the conservation of the Chough, *Pyrrhocorax pyrrhocorax*, in the EC. 11-14 November 1988.
- HERRING, P.C. 1987. *Unpublished report to the National Trust*.
- HILL, D.A., GARSON, P.J. & JENKINS, D. (ed's) 1990. *Pheasants in Asia*. World Pheasant Association, Reading.

- HILL, M.O. 1973. Reciprocal averaging: an eigenfactor method of ordination. *J. Ecol.* 61:237-249.
- HILL, M.O. 1979. *TWINSPAN - a FORTRAN programme for arranging multivariate data in an ordered two-way table by classification of the individuals and attributes*. Cornell University, N.Y.
- HOGSTEDT, G. 1981. The effect of additional food on reproductive success in the Magpie *Pica pica*. *J. Anim. Ecol.* 50: 219-229.
- HOLLANDER DEN, J. 1975. The phenology and habitat of the species of the subgenus *Tipula* Linnaeus in the Netherlands (Diptera: Tipulidae). *Tijdschr. Entomol.* 118: 83-97.
- HOLYOAK, D. 1967a. Food and feeding actions of Choughs. *Bird Study* 14: 61-62.
- HOLYOAK, D. 1967b. Breeding biology of the Corvidae. *Bird Study* 14: 153-168.
- HOLYOAK, D. 1971a. Movements and mortality of Corvidae. *Bird Study* 18: 97-106.
- HOLYOAK, D. 1971b. The incidence of gapes in Rooks. *Bird Study* 18: 231.
- HOLYOAK, D. 1972. Behaviour and ecology of the Chough and Alpine Chough. *Bird Study* 19: 215-227.
- HOPKINS, J.J. 1983. *Studies of the historical ecology, vegetation and flora of the Lizard district, Cornwall*. Ph.D. thesis, Univ. of Bristol.
- HOWES, C.A. 1975. *Notes on a collection of Barn Owl pellets from Thorne Moors*. Journal of the Doncaster & District Ornithological Society, 8: 7-12.
- HUDSON, W.H. 1908. *The Lands End*. London.
- HUGHES, M.G.B. 1990. *Experimental management of heathland in the Lizard district of Cornwall*. Ph.D. thesis, Univ. of Bristol.
- HUGHES, R.D. 1962. The study of aggregated populations. In *Progress in soil zoology* (ed. P.W. Murphy).
- HURRELL, H.G. 1965. The last Choughs in south Devon. *Devon Birds* 18: 2-3.
- HUSSAIN, M. 1986. *Re-introduction of Cheer pheasant in Margalla Hills National Park (Pakistan)*. Unpubl. report; Capital Development Authority, Islamabad.
- INSTITUTE FOR TERRESTRIAL ECOLOGY (ITE). *Changes in the rural environment*. Project T03002a2, ITE.
- JARDINE, W. 1838-43. *Birds of Great Britain and Ireland*.
- JENKINS, A.K.H. 1945. *Cornwall and its people*. Dent, London; (2nd ed.), 1970, David & Charles, Newton Abbot.
- JENKIN, S.W. 1856. *The Naturalist*.
- JOHNS, C.A. 1848, 1863. *A week in the Lizard*. SPCK, London.

- JOHNS, C.A. 1909 (ed., revised and annotated by Owen, J.A. 1910). *British birds in the haunts*. Routledge, London.
- JONES, C.G. 1981. Abnormal and maladaptive behaviour in captive raptors. In *Recent advances in the study of raptor diseases* (ed's J.E. Cooper & A.G. Greenwood). Chiron Publs Ltd., Keighley.
- JONES, C.G. 1984. The captive management and biology of the Mauritius kestrel *Falco punctatus*. *nt. Zoo Yb.* 23: 76-82.
- KAIN, R.J.P. & HOLT, H.M.E. 1981. Agriculture and land use in Cornwall circa 1840. *Southern History* 3: 139-181.
- KAIN, R.J.P. & PRINCE, H.C. 1985. *The tithe surveys of England and Wales*. Cambridge University Press.
- KEAR, J. 1975. Returning the Hawaiian goose to the wild. In *Breeding endangered species in captivity* (ed. R.D. Martin). Academic Press, London & New York.
- KEAR, J. & BERGER, A.J. 1980. *The Hawaiian goose*. Calton: Poyser.
- KENWARD, H.K. 1976. Reconstructing ancient ecological conditions from insect remains: some problems and an experimental approach. *Ecological Entomology* 1: 7-17.
- KEYMER, I.F. 1982. Parasitic diseases. In *Diseases of cage and aviary birds* (ed. M.L. Petrak) Lea & Febiger, Philadelphia.
- KLUIJVER, H.N. 1951. The population ecology of the Great tit *Parus m. major* L. *Ardea* 39: 1-135.
- KLUIJVER, H.N. & TINBERGEN, L. 1953. Territory and the regulation of density in titmice. *Arch. Neerl. Zool.* 10: 265-289.
- KREBS, J.R. 1971. Territory and breeding density in the Great tit *Parus major* L. *Ecology* 52: 2-22.
- KREBS, J.R., ERICHSEN, J.T., WEBBER, M.I. & CHARNOV, E.L. 1977. Optimal prey selection in the Great tit, *Parus major*. *Anim. Behav.* 25: 30-38.
- LACK, D.L. 1946. Do juvenile birds survive less well than adults? *British Birds* 39: 259-264.
- LACK, D. 1954. *The natural regulation of animal numbers*. Clarendon, Oxford.
- LACK, D. 1966. *Population studies of birds*. Clarendon, Oxford.
- LACK, D. 1971. *Ecological isolation in birds*. Blackwell, Oxford.
- LACK, P. 1986. *The atlas of wintering birds in Britain and ireland*. BTO, Tring.
- LANDIN, B.O. 1961. Ecological studies on dung-beetles. *Opuscula Entomologica Suppl.* 19.
- LAPAGE, G. 1956. *Veterinary parasitology*.
- LELLIOT, A.D. 1981. Cheer pheasants in west-central Nepal. *J. Wld Pheasant Ass.* 6: 89-95.

- L'ESTRANGE, A.G. 1865. *Yachting round the west of England*. London
- LIDDLE, M.J. 1975. A selective review of the ecological effects of human trampling on natural ecosystems. *Biol. Conserv.* 7: 17-36.
- LINDROTH, C.H. 1973. *Coleoptera Carabidae. Handbooks for the identification of British insects*, IV,2. Royal Entomological Society, London.
- LINTON, R.G. 1927. *Animal nutrition and veterinary dietetics*. Edinburgh.
- LOCKLEY, R.M., INGRAM, G.C.S. & MORREY SALMON, H. 1949. *The birds of Pembrokeshire*. Cardiff.
- LOVARI, S. 1981. Osservazioni sulle abitudini alimentari, riproduzione e altri aspetti della biologia del Gracchio alpino *Pyrrhocorax graculus* L. nel Parco Nazionale d'Abbruzzo. *Contributo Scientifico alla Conoscenza del Parco Nazionale d'Abbruzzo; Ser. Spec.* 9: 103-110.
- LOVE, J.A. 1983. *The return of the sea eagle*. Cambridge Univ. Press.
- LOVEGROVE, R. 1987. *RSPB guide to birdwatching in Snowdonia*. RSPB.
- LOYD, L.R.W. 1929. *The birds of south-east Devon*. Witherby, London.
- LUFF, M.L. 1975. Some features influencing the efficiency of pitfall traps. *Oecologia (Berl.)* 19: 345-357.
- LUTHIN, C.S., ARCHIBALD, G.W., HARTMAN, L., MIRANDE, C.M. & SCOTT, S. 1986. Captive breeding of endangered cranes, storks, ibises and spoonbills. *Int. Zoo Yb.* 24/25: 25-39.
- MCCRACKEN, D.I. 1989. Ivermectin in cow dung: possible adverse effects on the Chough? In Bignal & Curtis (ed's) 1989.
- MACDONALD, D. (ed.) 1984. *The encyclopaedia of mammals*: 2. Allen & Unwin.
- McDONALD, P., EDWARDS, R.A. & GREENHAUGH, J.F. 1966. *Animal nutrition*.
- MACE, G.M. 1986. Genetic management of small populations. *Int. Zoo Yb.* 24/25: 167-174.
- MALAN, A.H. 1891. Lecture at the Royal Institution of Cornwall. *R.I.C. Journal*, vol X.
- MALLOCH, A.J.C. 1971. Vegetation of the maritime cliff-tops of the Lizard, and Land's End peninsulas, West Cornwall. *New Phytol.* 70: 1155-1197.
- MARGALEF, R. 1951. Diversidad de especies en las comunidades naturales. *Publnes. Inst. Biol. apl.*, Barcelona 6: 59-72.
- MARTIN, R.M. 1984. *First aid and care of wildlife*. David & Charles.
- MATHEW, M.A. 1894. *The birds of Pembrokeshire and its islands*. Porter, London.
- MATON, W.G. 1797. *Observations of the western counties of England*.
- MATTHEWS, G.V.T. 1973. Some problems facing captive breeding and restoration programmes for waterfowl. *Int. Zoo Yb.* 13: 8-11.

- MAY, R.M. 1975. Island biogeography and the design of wildlife preserves. *Nature* 254: 177-178.
- MAYAUD, N. 1933. *Alauda* 5: 195-220.
- MAYR, E. 1959. Trends in avian systematics. *Ibis* 101: 293-302.
- MERRETT, C. 1666. *Pinax rerum naturalium Britannicarum*.
- MEYER, R.M. 1989a. Putting the Cornish back in the Chough - the potential for re-establishment. In Bignal & Curtis (ed's) 1989.
- MEYER, R.M. 1989b. *Ecology of the Chough Pyrrhocorax pyrrhocorax in West Wales*. Unpubl. report to the Nature Conservancy Council (Dyfed - Powys Region).
- MEYER, R.M. 1989c. *Post-fledging habitat selection and diet of Choughs on Ramsey Island*. Unpubl. report to NCC, Dyfed-Powys.
- MEYER, R.M. 1990. Observations on two Red-billed choughs *Pyrrhocorax pyrrhocorax* in Cornwall: habitat use and food intake. *Bird Study* 37: 199-209.
- MEYER, R.M. & SIMPSON, V.R. 1988. Gapeworm infection in Choughs *Pyrrhocorax pyrrhocorax*: further evidence. *Bird Study* 35: 223-226.
- MITCHLEY, J. (in press 1991). *Sea cliff management handbook for Great Britain*. Seminar at Wye College, Univ. of London 14 December 1990.
- MONAGHAN, P. 1988. The Chough in Britain and Ireland. In Ellis (ed.) 1988.
- MONAGHAN, P. 1989. The background to Chough studies in Britain. In Bignal & Curtis (ed's) 1989.
- MONAGHAN, P. 1990. Social behaviour. In *Managing the behaviour of animals* (ed's P. Monaghan & D. Wood-Gush), Chapman & Hall.
- MONAGHAN, P., BIGNAL, E., BIGNAL, S. EASTERBEE, N. & MCKAY, C. 1989. The distribution and status of the Chough in Scotland in 1986. *Scot. Birds* 14: 114-118.
- MONTAGU, G. 1798. *Birds of Devon*.
- MONTAGU, G. 1802 (supplement 1813). *Dictionary of British birds*.
- MOORE, I. 1966. *Grass and grasslands*. New Naturalist series, Collins.
- MOREBY, S.J. 1987. An aid to the identification of arthropod fragments in the faeces of gamebird chicks (Galliformes). *Ibis* 130: 519-526.
- MORSE, D.H. 1974. Ecological aspects of adaptive radiation in birds. *Biol. Rev.* 50: 167-214.
- MOUNTFORT, G. 1978. *Back from the brink*. Hutchinson, London.
- MUNDY, P. 1654. *Itinerarium Mundi*. Appendix.
- NATURE CONSERVANCY COUNCIL (NCC) 1985. *Corporate Plan 1986-1991*. NCC, Peterborough.

- NATURE CONSERVANCY COUNCIL (NCC) 1989. *Guidelines for selection of biological SSSIs*. NCC, Peterborough.
- NORBERG, A. 1977. An ecological theory on foraging time and energetics and choice of optimal food-searching method. *J. Anim. Ecol.* 46: 511-529.
- O'CONNOR, R.J. 1984, 1985. *The growth and development of birds*. Wiley.
- OWEN, D.A.L. 1985. *Factors affecting the distribution of the Chough in Britain with observations on its behaviour*. D. Phil. thesis, Univ. of Oxford.
- OWEN, D.A.L. 1989. Factors affecting the status of the Chough in England and Wales; 1780-1980. In Bignal & Curtis (ed's) 1989.
- OWENS, N.W. 1984. Why do Curlews have curved beaks? *Bird Study* 31: 230-231.
- PALMER, J.L. 195_. *The Cornish Chough through the ages*. Federation of Old Cornish Societies, Penzance.
- PARIS, J.A. 1816. *Guide to Mount's Bay and the Lands End*. ?London.
- PATTERSON, I.J. 1970. Food fighting in Rooks. In Watson, A. (ed.) 1970. *Animal populations in relation to their food resources*. Blackwell.
- PENHALLURICK, R.D. 1978. *The birds of Cornwall*. Headland, Penzance.
- PERRINS, C.M. 1971. Age of first breeding and adult survival in Swifts. *Bird Study* 18: 61-70.
- PERRINS, C.M. & BIRKHEAD, T.R. 1983. *Avian ecology*. Blackie.
- PIENKOWSKI, M.W. 1989. Introduction, Overview and Discussion. In Bignal & Curtis (ed's) 1989.
- POLWHELE, R. 1816. *The history of Cornwall*. London.
- PONTIN, A.J. 1961. Population stabilization and competition between the ants *Lasius flavus* (F.) and *Lasius niger* (L.). *J. Anim. Ecol.* 30: 47-54.
- PONTIN, A.J. 1963. Further considerations of competition and the ecology of the ants *Lasius flavus* (F.) and *Lasius niger* (L.). *J. Anim. Ecol.* 32: 565-574.
- PULLIAM, H.R. 1973. On the advantages of flocking. *J. Theor. Biol.* 38: 419-422.
- PUTMAN, R.J. & WRATTEN, S.D. 1984. *Principles of ecology*. Croom Helm, Kent.
- RALFE, P.G. 1905. *The birds of the Isle of Man*. Edinburgh.
- RALPH, C.P., NAGATA, S.E. & RALPH, C.J. 1985. Analysis of droppings to describe the diet of small birds. *J. Field Ornithology* 56: 165-174.
- RATCLIFFE, D. 1980. *The Peregrine falcon*. T. & A.D. Poyser, Staffordshire.
- RICHFORD, A.S. 1978. *The Ecology of the Jackdaw, Skomer Island*. Unpubl. D. Phil. thesis, EGI, Oxford.

- RIDLEY, M.W. 1986. Captive breeding and reintroduction of pheasants. *Int. Zoo Yb.* 24/25: 40-44.
- RIDLEY, M.W. & ISLAM, K. 1982. Cheer pheasant re-introduction project - Pakistan. In *Pheasants in Asia* (ed's C.D.W. Savage & M.W. Ridley), World Pheasant Association, New Delhi.
- RITCHER, P.O. 1958. Biology of the Scarabaeidae. *A. Rev. Ent.* 3:311-334.
- ROBERSON, B.S. & STAMP, L. DUDLEY 1941. *The land of Britain, Cornwall.* The Report of the Land Utilisation Survey of Britain 91: 407-466. London.
- ROBERTS, J.L. 1978. Choughs under Snowdonia. *Wildlife* 20: 544-547.
- ROBERTS, P. 1982. Foods of the Chough on Bardsey Island, Wales. *Bird Study* 29: 155-161.
- ROBERTS, P. 1983. Feeding habits of the Chough on Bardsey Island (Gwynedd). *Bird Study* 30: 67-72.
- ROBERTS, P. 1985. The Choughs of Bardsey. *Brit. Birds* 78: 217-232.
- RODD, E.H. 1869. *A list of British birds, as a guide to the ornithology of Cornwall, especially in the Land's End district; with remarks on the capture, habits &c., of some of the rarer species.* London & Penzance.
- RODD, E.H. 1880. *The birds of Cornwall and the Scilly Islands.* Trubner & Co. London.
- RODERICK, H.W. 1978. The Chough in Ceredigion. *Nature in Wales* 16: 127-128.
- RODWELL, J. 1982. *National vegetation classification. Maritime cliff communities.* University of Lancaster, unpubl. report to NCC.
- RÖELL, A. 1978. Social behaviour of the Jackdaw, *Corvus monedula*, in relation to its niche. *Behaviour* 64:1-10.
- ROLFE, R. 1966. The status of the Chough in the British Isles. *Bird Study* 13: 221-236.
- ROWLEY, I. 1973. The comparative ecology of Australian corvids: II. Social organization and behaviour. *CSIRO Wildlife Research* 18: 25-65.
- ROYAL ENTOMOLOGICAL SOCIETY (Joint Committee for the Conservation of British insects) 1986. Insect re-establishment - a code of conservation practice. *Antenna* 10: 13-18.
- ROYAMA, T. 1966. Factors governing feeding rate, food requirement and brood size of nestling Great tit (*Parus major*). *Ibis*:108: 313-347.
- ROYAMA, T. 1970. Factors affecting the hunting and food selection of the Great tit (*Parus major*). *J. Anim. Ecol.* 39:619-668.
- RUSSELL, V. 1971. *West Penwith Survey.* Cornwall Archaeological Society, Truro.
- RYVES, B.H. 1948. *Bird life in Cornwall.* London.
- SAMOUR, J.H. 1986. Recent advances in artificial breeding techniques in birds and reptiles. *Int. Zoo Yb.* 24/25: 143-148.
- SCHIFFERLI, A. & LANG, E.M. 1941. Beitrag zur naturgeschichte der Alpenkrahe *Pyrrhocorax p. erythrorhampus* (Vieillot). *J. Orn.* 88: 550-575.

- SCHOENER, T.W. 1965. The evolution of bill size differences among sympatric congeneric species of birds. *Evolution*. 19: 189-213.
- SEAL, U.S. 1986. Goals of captive propagation programmes for the conservation of endangered species. *Int. Zoo Yb.* 24/25: 174-179.
- SHARROCK, J.T.R. 1976. *The atlas of breeding birds in Britain and Ireland*. T. & A.D. Poyser Ltd., Carlton, UK.
- SHIMWELL, D.W. 1971. *The description and classification of vegetation*. Sidgwick & Jackson.
- SIBBALD, R. 1684. *Prodromus historiae naturalis Scotiae*.
- SIEGEL, S. & CASTELLAN, N.J. 1988 (2nd ed.). *Nonparametric statistics for the behavioural sciences*. McGraw-Hill.
- SIMBERLOFF, D.S. & ABELE, L.G. 1976. Island biogeography theory and conservation practice. *Science* 191: 285-286.
- SKIDMORE, P. 1985. *Biology of the Muscidae*. Junk, The Hague.
- SLOBODKIN, L.B. & RICHMAN, S. 1961. Calories/gm in species of animals. *Nature, Lond.* 191: 299.
- SPEAKMAN, J.R. 1984. Why do Redshank stop foraging when it is windy? *Wader Study Group Bull.* 42,15.
- SPSS, 1986. *SPSS/PC+ for the IBM PC/XT/AT*. The statistical package for the social sciences. SPSS Inc., Chicago, USA.
- SOULE, M.E. 1980. Thresholds for survival: maintaining fitness and evolutionary potential. In Soule, M.E. & Wilcox, B.A. (ed's) 1980.
- SOULE, M.E. & WILCOX, B.A. (ed's) 1980. *Conservation biology*. Sinauer Assoc., Sunderland, MA.
- SOUTHWOOD, T.R.E. 1978 (2nd ed.). *Ecological methods with particular reference to the study of insect population*. Methuen.
- STANLEY PRICE, M.R. 1986. The reintroduction of the Arabian oryx *Oryx leucoryx* into Oman. *Int. Zoo Yb.* 24/25: 179-188.
- STEWART, W. 1928. Studies of some Lanarkshire birds. *Scot. Nat.* 170: 41-49.
- STILL, E. 1989. *Socio-ecology of non-breeding Choughs*. Unpubl. Ph.D thesis, Univ. of Glasgow.
- STILL, E., MONAGHAN, P. & BIGNAL, E. 1986. Social structuring at a communal roost of choughs. *Ibis* 129: 398-403.
- STONE, C.P., WALKER, R.L., SCOTT, J.M. & BANKO, P.C. 1983. Hawaiian goose research & management - where do we go from here? *Elepaio* 44: 11-15.
- SUMPTION, K.J. & FLOWERDEW, J.R. 1985. The ecological effects of the decline in Rabbits (*Oryctolagus cuniculus* L.) due to myxomatosis. *Mammal Review* 15: 151-186.

- TAITT, M.J. 1973. Winter food and feeding requirements of the Starling. *Bird Study* 20: 226-236.
- TAMISIER, A. 1979. The functional units of wintering ducks: a spatial integration of their comfort and feeding requirements. *Verh. orn. Ges. Bayern* 23: 229-238.
- TANSLEY, A.G. 1954 (3rd ed.). *Introduction to plant ecology*. Allen & Unwin.
- TEMPLE, S.A. 1978. Reintroducing birds to the wild. In Temple, S.A. (ed.) 1978.
- TEMPLE, S.A. (ed.) 1978. *Endangered birds: management techniques for preserving threatened species*. Univ. of Wisconsin Press.
- THOMAS, A. 1989. The Chough in Brittany: numbers and distribution. In Bignal & Curtis (ed's) 1989.
- THOMAS, J.A. 1977. The conservation of rare butterflies. *Proc. R. ent. Soc. Lond.* 41: 33.
- THOMPSON, D.B.A. 1983. Prey assessment by plovers (Charadriidae): net rate of energy intake and vulnerability to kleptoparasites. *Anim. Behav.* 31: 1226-1236.
- THOMPSON, D.B.A. & BARNARD, C.J. 1984. Prey selection by plovers: optimal foraging in mixed-species groups. *Anim. Behav.* 32: 554-563.
- TINBERGEN, J. 1981. Foraging decisions in Starlings (*Sturnus vulgaris* L.). *Ardea* 69: 1-67.
- TOROK, J. & LUDVIG, E. 1988. Seasonal changes in foraging strategies of nesting Blackbirds (*Turdus merula* L.). *Behav. Ecol. Sociobiol.* 22: 329-333.
- TUNSTALL, M. 1771. *Ornithologia Britannica*.
- TURNER, W. 1544. *Avium praecipuarum*.
- UPTON, N. 1931 edtn. *De studio militari*.
- USSHHER, R.J. & WARREN, R. 1900. *The birds of Ireland*. London and Dublin.
- VAURIE, C. 1959. *The birds of the Palearctic fauna*. London.
- WAITE, R.K. 1984. Winter habitat selection and foraging behaviour in sympatric corvids. *Ornis Scand.* 15: 55-62.
- WALLWORK, J.A. 1970. *The ecology of soil animals*. McGraw-Hill.
- WALLWORK, J.A. 1976. *The distribution and diversity of soil fauna*. Academic Press, London and New York.
- WARBURTON, T. 1984. Breeding and reintroduction of the Barn owl *Tyto alba*. *Int. Zoo Yb.* 23: 88-95.
- WARD, P. & ZAHAVI, A. 1973. The importance of certain assemblages of birds as information centres for food-finding. *Ibis*. 115: 517-534.

- WARNES, J.M. 1982. *A study of the ecology of the Chough on the Isle of Islay, Argyll, 1980-81.* Unpubl. report, Univ. of Stirling & Islay Museums Trust.
- WARNES, J.M. 1983. The status of the Chough in Scotland. *Scottish Birds* 12: 238-246.
- WATSON, A. 1973. A review of population dynamics in birds. *British Birds* 66: 417-437.
- WHITE, G. 1786, 1854. *The natural history of Selbourne.* London
- WHITTAKER, I. 1947. Notes on Welsh Choughs. *Brit. Birds* 40: 265-266.
- WIENS, J.A. 1989. *The ecology of bird communities.* Cambridge University Press.
- WILKINSON, R. 1987. Chester zoo - 1986. *Avicultural Magazine* 93: 90-97.
- WILLIAMSON, K. 1959. Observations on the Chough. *Peregrine* 3: 8-14.
- WILLIAMS, G. 1989. *Land use and birds in the Isle of Man.* Research Report to the Royal Society of Protection of Birds. RSPB.
- WIRTH, R. 1990. Reintroduction - sometimes a conservation problem? *Int. Zoo News* 222: 13-17.
- WITHERBY, H.F., JOURDAIN, F.C.R., TICEHURST, N.F. & TUCKER, B.W. 1943. *The handbook of British birds.* Witherby, London.
- WOOLCOCK, D. 1990. News from Paradise Park and the other UK collections. *Operation Chough Newsletter*, Summer 1990.
- WORGAN, G.B. 1811. *General view of the agriculture of the county of Cornwall.* London.
- YALDEN, D.W. & WARBURTON, A.B. 1979. The diet of the Kestrel in the Lake District. *Bird Study* 26: 163-170.
- YEATMAN, L. 1971. *Histoire des oiseaux d'Europe.* Bordas, Paris.
- YEATMAN, L. 1976. *Atlas des oiseaux nicheurs de France.* Societe Ornithologique de France, Paris.
- YOM-TOV, Y. 1975. Food of nestling crows in northeast Scotland. *Bird Study* 22: 47-51.
- YOUNG, L. & HUSSAIN, M. 1990. Chick-rearing methods for pheasant reintroductions. In Hill, D.A., Garson, P.J. & Jenkins, D. (ed's) 1990.
- ZACH, R. 1979. Shell-dropping: decision making and optimal foraging in northwestern crows. *Behaviour* 68: 106-117.
- MEYER, R.M. 1991 The Feeding Ecology of the Red-billed Chough *Pyrrhocorax pyrrhocorax* L. in West Wales, and the Feasibility of Re-establishment in Cornwall.
www.operationchough.org