

RECENT PUBLICATIONS ON WADERS 56

compiled by Henk Koffijberg

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Remember to include, if possible, the address of the first author, and translations of titles if they are in other languages than English. For help with this issue I am very grateful to T. Piersma, I. Bainbridge, O. Girard, D.W. Yalden, B. Trollet and J. Melter

Translated titles from languages other than English are bracketed: round brackets if the translation is by the author(s), square brackets if not.

N.B. a copy of your paper or abstract would be very helpful to add keywords or an annotation to the titles.

BREEDING

Alberico, J.A.R., Reed, J.M. & L.W. Oring 1991. Nesting near a Common Tern colony increases and decreases Spotted Sandpiper nest predation. *Auk* 108: 904-910. (L.W. Oring: Ecol., Evol. & Conserv. Biol. Program, RWF, 1000 Valley Rd., Univ. Nevada, Reno 55812, USA). *Actitis macularia*.

Berg, Å., Nilsson, S.G. & Boström, U. 1992. Predation on artificial wader nests on large and small bogs along a south-north gradient. *Ornis Scand.* 23: 13-16. (Dept. Wildl. Ecol., Swedish Univ. Agric. Sci., Box 7002, S-750 07 Uppsala, Sweden). The hypothesis that predation rate is higher in the south than in the north of Sweden was supported. Higher wader densities found on bogs in the north might thus be an effect of higher reproductive success because of lower generalist predator densities. Higher predation rates were expected on small than on large bogs because of edge effects, but instead an opposite tendency was found. The hypothesis that predation is higher near forest edges was not supported in this study.

Berg, Å. 1992. Factors affecting nest-site choice and reproductive success of Curlew *Numenius arquata* on farmland. *Ibis* 134: 44-51. (Dept. Wildl. Ecol., Swedish Univ. Agric. Sci., Box 7002, S-750 07 Uppsala, Sweden). Nest-site choice

and reproductive success in different habitats were studied at mixed farmland site and arable farmland site in central Sweden.

Bönisch, R., Leibl, F. & Möhrlein, E. 1991. Der Waldwassertläufer *Tringa ochropus* als Brutvogel in der Oberpfalz. [The breeding of the Green Sandpiper (*Tringa ochropus*) in Bavaria]. *Orn. Anz.* 30: 11-20. In German with English summary. (Gummelbergweg 3, 8595 Kondrau, Germany).

Bulleau, V. & Vangeluwe, D. 1991. [Nesting of Common Sandpiper (*Actitis hypoleucos*) in Brabant Wallon]. *Aves* 28: 160-162. In French. (Av. Nieuwenhuys 27, B-1310 La Hulpe, Belgium)

Common Secretariat for the Cooperation on the Protection of the Wadden Sea 1992. *The Joint Monitoring Project for Breeding Birds in The Wadden Sea : annual report 1990*. 21 p. (Common Secr. for the Cooperation on the Protection of the Wadden Sea, Virchowstr. 1, D-2940, Wilhelmshaven, Germany). First results of breeding bird census of the Dutch, German, and Danish Wadden Sea. Waders: *Haematopus ostralegus*, *Recurvirostra avosetta*, *Charadrius hiaticula*, *C. alexandrinus*, *Vanellus vanellus*, *Calidris alpina*, *Philomachus pugnax*, *Gallinago gallinago*, *Limosa limosa*, *Numenius arquata*, *Tringa totanus*.

De Scheemaeker, F. 1990. Broedvogel-inventarisatie van de Ronselareweiden te Oostkerke - Dudzele - Koolkerke in 1990. (The breeding birds of a meadow area "Ronselareweiden" at Oostkerke -Dudzele - Koolkerke in 1990.). *Mergus* 4: 132-143. In Dutch with English and French summaries. (Ronselarestraat 105, 8380 Brugge, Belgium). Breeding of *Vanellus vanellus*, *Limosa limosa*, and *Haematopus ostralegus* in North-west Flanders, Belgium.

Decuypere, P. & De Scheemaeker, F. 1991. Broedende steltlopers in de Noord-Westvlaamse kustpolders in 1990. [Breeding waders in the coastal plane of Northern West- Flanders]. *Mergus* 5: 52-66. In Dutch with English and French summaries. (Azorenstraat 11, 8380 Zeebrugge, Belgium). Most important breeding waders: *Haematopus ostralegus*, *Charadrius dubius*, *C. hiaticula*, *C. alexandrinus*, *Tringa totanus*, *Limosa limosa*, *Recurvirostra avosetta*.

Einemann, L. 1991. A nesting report of a Wilson's Phalarope in Lancaster County. *Nebr. Bird Rev.* 59: 59-61. (2917 S. 53rd. St., Lincoln, NE 68506, USA). *Phalaropus tricolor* in Nebraska.

Ens, B.J. 1992. The social prisoner : causes of natural variation in reproductive success of the Oystercatcher. PhD thesis, University of Groningen. *Haematopus ostralegus*.

Foreman, G. 1991. New Zealand Dotterels breeding in northern Hawke's Bay. *Notornis* 38: 246-247. (6 Rimu Dr., Wairoa, New Zealand). *Charadrius obscurus*.

Füller, M. 1992. Die Brutverbreitung der Limikolen im Kreis Gütersloh und in der Stadt Bielefeld unter besonderer Berücksichtigung des Kiebitzes (*Vanellus vanellus*): Stand 1991.. [Breeding of waders in the district of Gütersloh and in the city of Bielefeld with special attention to the Lapwing (*Vanellus vanellus*): 1991.]. *Charadrius* 28: 69-81. In German with English summary. (Naturschutz-Zentrum Ostwestfalen e.V., Krackser Str. 12, W-4800 Bielefeld 12, Germany). Breeding of *Numenius arquata*, *Limosa limosa*, *Gallinago gallinago*, *Haematopus ostralegus* and *Vanellus vanellus* in Northrhine -Westphalia, Germany.

Gratto-Trevor, C.L. 1991. Parental care in Semipalmated Sandpipers *Calidris pusilla*: brood desertion by females. *Ibis* 133: 394-399. (Can. Wildl. Serv., Prairie and North. Res. Ctr., 115 Perimeter Rd., Saskatoon, Saskatchewan S7N 0X4, Canada).

Groen, N. & Buker, J.B. 1991. *Weidevogels in de Schaalsmeerpolder. Onderzoek naar aangepaste landbouw*. [Meadowbirds in the Schaalsmeerpolder. Investigating sustainable agriculture]. Utrecht : Directie Beheer Landbouwgronden, 20 p. In Dutch. (Publication no. 44, Directie Beheer Landbouwgronden, P.O. Box 20022, 3502 LA Utrecht, Netherlands). Population development and breeding success of 13 species of meadow-birds in the Schaalsmeerpolder, province of North-Holland.

Handel, C.M. & Gill, R.E., Jr. 1992. Breeding distribution of the Black Turnstone. *Wilson Bull.* 104: 122-135. (Alaska Fish & Wildl. Res. Ctr., 1011 East Tudor Rd., Anchorage, AK 99503, USA). *Arenaria melanocephala* in Alaska.

Herbert, I.J., Heery, S. & Meredith, C.R.M. 1990. Distribution of breeding waders in relationship to habitat features on the River Shannon callows at Shannonharbour, Ireland, 1987-1989. *Irish Birds* 4: 203-215. (National Trust, Crom Estate, Newtownbutler, Co. Fermanagh, Ireland). *Vanellus vanellus*, *Tringa totanus*, *Gallinago gallinago*, *Numenius arquata*.

Hill, W.L. 1991. Correlates of male mating success in the Ruff *Philomachus pugnax*, a lekking shorebird. *Behav. Ecol. Sociobiol.* 29: 367-372. (Dept. Psychol., Lafayette Coll., Easton, PA 18042, USA).

Jong, J. de 1992. Dichtheid Friese kievitpopulatie neemt af. [Decline of Frisian Lapwing population]. *Vogeljaar* 40: 15-16. In Dutch. (E.A. Borgstraat 66, 8501 NG Joure, Netherlands). Decrease in numbers of breeding *Vanellus vanellus* in the province of Friesland, Netherlands.

Koffijberg, K. & Dijk, K. van 1992. Broedvogel-inventarisatie van Kluut, plevieren, meeuwen en sterns in Groningen in 1991. [Breeding bird survey of Avocet, plovers, gulls and terns in the province of Groningen in 1991]. *Grauwe Gors* 20: 17-20. In Dutch (Uiteinderweg 2, 9905 RG Holwierde, Netherlands). Waders: *Recurvirostra*



avosetta, *Charadrius hiaticula*, *Charadrius dubius*, *Charadrius alexandrinus*.

Kuhnappel, K.-H. 1991. [Evidence of a clutch of six in *Charadrius dubius*]. *Charadrius* 27: 202–204. In German with English summary. (Heidestr. 25, W-4708 Kamen-Methler, Germany).

Lauro, B., Nol, E. & Vicari, M. 1992. Nesting density and communal breeding in American Oystercatchers. *Condor* 94: 286–289. (Dept. Biol., Queen's Univ., Kingston, ON, Canada). *Haematopus palliatus* in Virginia and New York.

Mayer, P.M. & Ryan, M.R. 1991. Survival rates of artificial Piping Plover nests in American Avocet colonies. *Condor* 93: 753–754. (US Fish & Wildl. Serv., 1500 Capitol St., Bismarck, ND 58501, USA). *Charadrius melodus*.

Mostert, K. 1992. Weidevogels in het Westland, Haaglanden en Midden-Delfland (Z.H.). [Meadowbirds in Westland, Haaglanden and Midden-Delfland, province of South-Holland]. *Vogeljaar* 40: 72–77. In Dutch. (Palamedesstraat 74, 2612 XS Delft, Netherlands). Breeding meadowbirds in 1989–1990: *Haematopus ostralegus*, *Vanellus vanellus*, *Limosa limosa*, *Tringa totanus*. Comparison is made with census from 1973–1977.

Mundt, J. 1991. Der Sandregenpfeifer (*Charadrius hiaticula* L.): ein Brutnachweis im Kreis Angermünde (Mark Brandenburg). [Ringed Plover (*Charadrius hiaticula* L.): a breeding record from the district of Angermünde (Mark Brandenburg)]. *Beitr. Vogelkd.* 37: 153–160. In German. (Strasse der Jugend 1, D-1330 Schwedt/O, Germany).

Newman, O.M.G. 1991. A forecast of population decline in Pied Oystercatchers based on breeding disturbance. *Tasm. Bird Rep.* No. 20, pp. 20–24. (98 Nowra Rd., Lauderdale, Hobart, Tasm. 7021, Australia). *Haematopus longirostris* in Australia.

Newman, M. & Park, P. 1992. Egg laying interval Pied Oystercatcher and Hooded Plover. *Stilt* 20: 22–23. (98 Nowra Rd., Lauderdale, Tasmania, 7021, Australia). *Haematopus longirostris* and *Charadrius rubricollis*.

Parr, R. 1992. Sequential polyandry by Golden Plovers. *Brit. Birds* 85: 309. *Pluvialis apricaria*.

Parr, R. 1992. The decline to extinction of a population of Golden Plover in north-east Scotland. *Ornis Scand.* 23: 152–158. (Inst. Terrestrial Ecol., Banchory Res. Stn., Hill of Brathens, Banchory, AB31 4BY, Scotland, UK). A population of Eurasian Golden Plover *Pluvialis apricaria* was studied during a period of increase to peak numbers followed by a decline to extinction. Decline was not associated with loss of breeding or summer feeding habitats. Annual changes in numbers were not related to breeding success but were strongly correlated with winter losses calculated from the return rate of ringed birds.

Powell, A.N. & Cuthbert F.J. 1992. Habitat and reproductive success of Piping Plovers nesting on Great Lakes islands. *Wilson Bull.* 104: 155–161. (Dept. Fish & Wildl., Univ. Minn., St. Paul, 55108, USA). *Charadrius melodus*.

Pulliaainen, E. & Saari, L. 1991. Breeding biology of the Wood Sandpiper *Tringa glareola* in eastern Finnish Lapland. *Ornis Fenn.* 68: 127–128. In Finnish with English summary. (Dept. Zool., Univ. Oulu, Linnanmaa, SF-90570 Oulu, Finland).

Scharringa, C.J.G. 1991. Meetnet weidevogels Noord-Holland 1987–1991. [Monitoring meadowbirds in the province of North-Holland 1987–1991]. *Graspieper* 11: 159–169. In Dutch. (Provincie Noord-Holland, Dienst Ruimte en Groen, Afd. Onderzoek en Informatie, P.O. Box 6090, 2001 HB Haarlem, Netherlands). Breeding numbers of *Haematopus ostralegus*, *Vanellus vanellus*, *Limosa limosa*, *Tringa totanus*, *Philomachus pugnax*, and *Gallinago gallinago*.

Shepherd, K.B. & Stroud, D.A. 1991. Breeding waders and their conservation on the wetlands of Tiree and Coll, Inner Hebrides. *Wildfowl* 42: 108–117. (D.A. Stroud, 5 Parkway, Nassington, Peterborough, PE8 6QE, UK).

Sidle, J.G., Wilson, E.C., Dinan, D.J., Lackey, J., Wingfield, G., Good, B.K., Lingle, G.R. & Plettner, R.G. 1991. The 1991 census of Least Terns and Piping Plovers in Nebraska. *Nebr. Bird Rev.* 59: 133–149. (US Fish & Wildl. Serv., 203 W. Second St., Grand Island, NE 68801, USA). *Charadrius melodus*.

Stock, M., Teenck, G., Grossmann, M. & Lindemann, J. 1992. Halligextensivierung: sind Auswirkungen auf die Vogelwelt erkennbar? *Vogelwelt* 113: 20–35. In German with English summary. (WWF-Wattenmeerstelle, Norderstrasse 3, 2250 Husum, Germany). Effects of the "Halligextensivierungsprogramm", an agricultural management plan of the German government, on breeding birds has been examined. Compared to data from breeding bird surveys on an experimental WWF plot (very low-intensity grazing management regime), the efforts of the state programme showed no positive effects on breeding birds. *Tringa totanus* and *Haematopus ostralegus* even showed negative trends.

Stranger, R.H. 1991. Breeding of the Red-kneed Plover, *Charadrius cinctus*, at Maylands, W.A.. *West. Aust. Nat.* 18: 223–224. (28/76 East St., Maylands, WA 6051, Australia).

Theiss, N., Franz, D. & Glützer, G. 1992. Zur Populationsentwicklung des Flussuferläufers *Actitis hypoleucos* im Oberen Maintal von 1981–1991. (The developments of a local population of the Common Sandpiper *Actitis hypoleucos* in the Upper Valley of the River Main between 1981 and 1991). *Orn. Anz.* 31: 43–49. In German with English summary. (Am Weinberg 27, D-8624, Ebersdorf, Germany).

Trolliet, B. & Ibanez, F. 1990. [Census of the

Black-tailed Godwit *Limosa limosa* breeding in the Vendee, France]. *Oiseau Rev. Francaise Ornithol.* 60: 205–211. In French with English summary. (Office National de la Chasse, Chanteloup, 85340, L'Île d'Olonne, France).

Wigbels, V. 1990. Broedgevallen van Steltkluut in de Oostvaardersplassen in 1989. [Breeding of Black-winged Stilt in the Oostvaardersplassen in 1989]. *Grauwe Gans* 6: 27–28. In Dutch. (Oostrandpark 116, 8212 AV Lelystad, Netherlands). Six breeding pairs of *Himantopus himantopus* in the Oostvaardersplassen, Netherlands. Breeding failed.

Yalden, D.W. 1992. The Common Sandpiper population of the Ladybower reservoir complex: a re-evaluation. *Naturalist* 117: 63–68. (Dept. Environm. Biol., The University, Manchester M13 9PL, UK). Census of *Actitis hypoleucos* during 1979–1982 by single visits compared to more detailed study of the population in 1989–1991 (to investigate possible impact of recreational disturbance). Underestimating of population and sources of error in the first census have been investigated.

Yalden, D.W. 1992. The influence of recreational disturbance on Common Sandpipers *Actitis hypoleucos* breeding by an upland reservoir, in England. *Biol. Conserv.* 61: 41–49. High disturbance by anglers. Consequence is a reduction in the size of breeding population, but breeding success was unaffected.

BEHAVIOUR, ECOLOGY & EVOLUTION

Barter, M. 1992. Biometrics and moult of Red-kneed Dotterels *Erythrogonys cinctus* in Australia. *Stilt* 20: 30–32. (21 Chivalry Ave., Glen Waverley, VIC 3150, Australia).

Burger, J. & Gochfeld, M. 1991. Human activity influence and diurnal and nocturnal foraging of Sanderlings (*Calidris alba*). *Condor* 93: 259–265. (Dept. Biol. Sci., Rutgers Univ., Piscataway, NJ 08855, USA).

Cha Wei Mah & Young, L. 1990. Food of the Spoon-billed Sandpiper in Hong Kong. *Hong Kong Bird Rep.*: 192–193. (Swire Mar. Lab., Univ. Hong Kong, Cape P'Aguliar, Shek O, Hong Kong). *Eurynorhynchus pygmeus*.

Chafer, C.J. 1992. Ascidian predation by the Sooty Oystercatcher *Haematopus fuliginosus*: further observations. *Stilt* 20: 20–21. (69 Lake Heights Rd., Lake Heights, NSW. 2502, Australia).

Devos, K. 1990. Najaarstrek 1990 van steltlopers in twee gebieden in de IJzervallei. [Autumn migration 1990 of waders in two areas of the Yser valley]. *Mergus* 4: 144–165. In Dutch with English and French summaries. (Lab. Ecol. Dieren, Zoogeografie en Natuurbehoud, R.U.G., K.L. Ledeganckstraat 35, 9000 Gent, Belgium).



Migration of waders in West-Flanders, Belgium.

Dittmann, D.L. & Zink, R.M. 1991. Mitochondrial DNA variation among Phalaropes and allies. *Auk* 108: 771-779. (Mus. Nat. Sci., La. State Univ., Baton Rouge 70803, USA). *Phalaropus fulicaria*, *P. lobatus*, *P. tricolor*, *Limnodromus scolopaceus*, *Tringa melanoleuca*, *Calidris canutus*, *Micropalama himantopus*.

Girard, O. 1992. La migration de limicoles en France métropolitaine à partir d'une synthèse bibliographique. [Migration of waders in continental France described from a synthesis of bibliographical data]. *Alauda* 60: 13-33. In French with English summary. (ONC, CNERA, Avifaune migratrice Canteloup, 85340 Ile d'Olonne, France). Timing of migration of 30 species of waders in continental France is described, using published and unpublished data. Each species is considered using an annotated diagram. Subspecies, populations, age or sex during particular times of migration are mentioned whenever useful and possible. References (more than 322!) are listed per species.

Goss-Custard, J.D., Caldwell, R.W.G. & Clark, R.T. 1992. Correlates of the density of foraging Oystercatchers *Haematopus ostralegus* at different population sizes. *J. Anim. Ecol.* 61: 159-173. (Inst. Terrestrial Ecol., Furzebrook Res. Stn., Wareham, Dorset BH20 5AS, UK).

Grimm, H. 1991. Kollektive Fischjagd von Dunklen Wasserläufern (*Tringa erythropus*). [Collectively fishing of Spotted Redshanks (*Tringa erythropus*)]. *Acta ornithoecol.* (Jena) 2: 10. In German. (Naturkundemuseum, Hospitalplatz 15, D-5020 Erfurt, Germany).

Handel, C.M. & Gill, R.E., Jr. 1992. Roosting behavior of premigratory Dunlins (*Calidris alpina*). *Auk* 109: 57-72. (Alaska Fish & Wildl. Res. Ctr., 1011 East Tudor Rd., Anchorage, AK 99503, USA).

Harrington, B.A., Leeuwenberg, F.J., Resende, S.L., McNeil, R., Thomas, B.T., Grear, J.S. & Martinez, E.F. 1991. Migration and mass change of White-rumped Sandpipers in North and South America. *Wilson Bull.* 103: 621-636. (Manomet Bird Observ., Manomet, MA 02345, USA). *Calidris fuscicollis*.

Hötker, H., Bruns, H.A. & Dietrich, S. 1990. [Ruffs (*Philomachus pugnax*) feeding on peanuts]. *Oiseau Rev. Française Ornithol.* 60: 312-314. In French with English summary. (WWF-Wattenmeerstelle, Norderstr. 3, 2250 Husum, Germany).

Hulscher, J.B. & Ens, B.J. 1991. Somatic modifications of feeding system structures due to feeding on different foods with emphasis on changes in bill shape in Oystercatchers. *Acta XX Congress. Intern. Ornithol.* Vol. II: 889-896. (Zool. Lab., R.U. Groningen, Postbus 14, 9750 AA Haren, Netherlands). *Haematopus ostralegus*.

Hulscher, J.B. 1990. Survival of Oystercatchers during hard winter weather. *Ring* 13: 162-172. *Haematopus ostralegus*.

Krementz, D.G. & Pendleton, G.W. 1990. Fat scoring: sources of variability. *Condor* 92: 500-507. (US Fish & Wildl. Serv., Patuxent Wildl. Res. Ctr., Laurel, MD 20708, USA).

Kube, J. 1991. Durchzug von Doppelschnepfe (*Gallinago media*) in der ehemaligen DDR. [Migration of the Great Snipe (*Gallinago media*) in the former GDR]. *Beitr. Vogelkd.* 37: 325-336. In German.

Lambeck, R.H.D. 1991. Changes in abundance, distribution and mortality of wintering Oystercatchers after habitat loss in the Delta area, SW-Netherlands. *Acta XX Congress. Intern. Ornithol.* Vol. II: 2208-2218. (Delta Inst. Hydrobiol. Res., Vierstr. 28, 4401 Yerseke, Netherlands). *Haematopus ostralegus*.

Lofaldli, L., Kålås, J.A. & Fiske, P. 1992. Habitat selection and diet of Great Snipe *Gallinago media* during breeding. *Ibis* 134: 35-43. (J.A. Kålås, NINA, Tungasletta 2, N-7004 Trondheim, Norway). Food and habitat use on a sub-alpine/low-alpine breeding area in central Norway have been studied.

Mayer, P.M. & Ryan, M.R. 1991. Electric fences reduce mammalian predation on Piping Plover nest and chicks. *Wildl. Soc. Bull.* 19: 59-63. (US Fish & Wildl. Serv., 1500 Capitol St., Bismarck, ND 58501, USA). *Charadrius melodus*.

Meire, P.M. 1991. Effects of a substantial reduction in intertidal area on numbers and densities of waders. *Acta XX Congress. Intern. Ornithol.* Vol. II: 2219-2227. (Lab. Oecol. Dieren, Univ. Gent, K.L. Ledegankstr. 35, 9000 Gent, Belgium).

Melnikov, Y.I. 1991. Ecology of the Asian Snipe-billed Godwit at its range boundary in Eastern Siberia. *Sov. J. Ecol.* (Engl. Trans. Ecol.) 22: 176-181. *Limnodromus semipalmatus*.

Midura, A.M., Beyer, S.M. & Kilpatrick, H.J. 1991. An observation of human-induced adoption in Piping Plovers. *J. Field Ornithol.* 62: 429-431. *Charadrius melodus*.

Moore, A.S. 1992. Purple Sandpipers feeding by probing in turf. *Brit. Birds* 85: 241. (Lyndale, Derby Rd., Peel, Isle of Man, UK). *Calidris maritima*.

Morrier, A. & McNeil, R. 1991. Time-activity budget of Wilson's and Semipalmated Plovers in a tropical environment. *Wilson Bull.* 103: 598-620. (Dept. Sci. Biol., Univ. Montreal, C.P. 6128, Succ. "A", Montreal, PQ, Canada H3C 3J7). *Charadrius semipalmatus*, *C. wilsonia* in Venezuela.

Mouritsen, K.N. 1992. Predator avoidance in night-feeding Dunlins *Calidris alpina*: a matter of concealment. *Ornis Scand.* 23: 195-198. (Dept.

Ecol. & Genet., Univ. Aarhus, Ny Munkegade, DK-8000 Aarhus C, Denmark). Observations on a tidal flat in the Danish Wadden Sea indicated that Dunlins at night depress vocalization compared with day-feeding birds. When Dunlins were disturbed at night only about 60% took flight, most of the remaining birds froze. It is suggested that depressed vocalization and freezing at night are means to escape detection by owls.

Olinde, M.W. & Prickett, T.E. 1991. Gonadal characteristics of February-harvested Woodcock in Louisiana. *Wildl. Soc. Bull.* 19: 465-469. (Dept. Wildl. & Fish., Baton Rouge, LA 70898). *Scolopax minor*.

Perry, P. 1992. Feeding behaviour of Little Stints. *Brit. Birds* 85: 309-310. (10 Troutdale Close, Marton Park, Bridlington, East Yorkshire YO16 5GN, UK). *Calidris minuta*.

Piersma, T. 1991. Annual energetics of Knots: expenditure and intake studies. In: H.A. van Aken, G.C. Cadée & P. de Wolf (eds.) *Annual report 1990*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 18, Texel, pp. 80. (NIOZ, P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands). *Calidris canutus*.

Piersma, T. & Wiersma, P. 1991. Thermostatic costs of Knots. In: H.A. van Aken, G.C. Cadée & P. de Wolf (eds.) *Annual report 1990*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 18, Texel, pp. 81-82. *Calidris canutus*.

Piersma, T., Tulp, I. & Verkuil, Y. 1991. Changing feeding conditions for Knots in spring. In: H.A. van Aken, G.C. Cadée & P. de Wolf (eds.) *Annual report 1990*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 18, Texel, pp. 82-83. *Calidris canutus*.

Piersma, T., Drent, R. & Wiersma, P. 1991. Temperate versus tropical wintering in the world's northernmost breeder, the Knot: a metabolic scope and resource levels restrict subspecific options. *Acta XX Congress. Intern. Ornithol.* Vol. II: 761-772. *Calidris canutus*.

Piersma, T., Gils, J. van & Samuels, J. 1992. Knots digesting bulky bivalves: the principle of diminishing returns. *Annual report 1991*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 19, Texel, p. 69. *Calidris canutus*.

Piersma, T., Bruinzeel, L. & Wiersma, P. 1992. Energy conservation in Knots: holding the heat. *Annual report 1991*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 19, Texel, pp. 69-70. *Calidris canutus*.

Riley, S.J. 1992. Purple Sandpipers feeding inland outside breeding season. *Brit. Birds* 85: 241. (25 Abbots Way, Formby, Liverpool L37 6DR, UK). *Calidris maritima*.

Root, B.G., Ryan, M.R. & Mayer, P.M. 1992. Piping Plover survival in the Great Plains. *J. Field Ornithol.* 63: 23-28. In English with Spanish



summary. (School Nat. Resour., Univ. Mo., Columbia 65211, USA). *Charadrius melodus* in North Dakota.

Rubega, M.A. 1991. Feeding performance and beak morphology in Phalaropes: a comparison of surface tension feeding in two shorebirds. *Am. Zool.* 31: 63A. (Univ. Calif., Irvine, USA). *Phalaropus lobatus*, *P. tricolor*.

Summers, R.W. & Underhill, L.G. 1991. The relationship between body size and time of breeding in Icelandic Redshanks *Tringa totanus robusta*. *Ibis* 133: 134-139. (RSPB, Munloch, Inverness, Scotland).

Tulp, I., Goeij, P. de & Piersma, T. 1992. Annual energetics of Knots: mollusc specialists on tropical mudflats. *Annual report 1991*. Netherlands Institute for Sea Research. NIOZ Publ. Ser. No. 19, Texel, p. 66-68. (NIOZ, P.O. Box 59, 1790 AB Den Burg, Texel, Netherlands). Food and feeding of *Calidris canutus rogersi* and *Calidris tenuirostris* were studied at Roebuck Bay, near Broome in northwest Australia.

Wang, H. 1992. Field study of spring migratory population of Nordmann's Greenshank *Tringa guttifer* in Yancheng Nature Reserve. *Zool. Res.* 13: 36-58. (Management Div. Yancheng Nature Reserve, Yancheng 224333, Jiangsu Province, Peoples Republic of China).

DISTRIBUTION & FAUNISTICS

Alcorn, R. & Fleming, M. 1992. AWSG regular counts project progress report. *Stilt* 20: 14-17. (17 Lawrence St., Horsham, Vic. 3400, Australia).

Anon. 1992. Kieviten in het PTT in november-december 1991. [Point counts of Lapwings in November-December 1991]. *SOVON Nieuws* 5: 4. In Dutch. (SOVON, Rijksweg 178, 6573 DG Beek-Ubbergen, Netherlands). *Vanellus vanellus* in the Netherlands, distribution in November and December.

Anon. 1992. The 1990 summer and winter population monitoring counts. *Stilt* 20: 33-37.

Appleby, G. 1992. The Double-banded Plover in the Western District, Victoria, 1990-1991. *Stilt* 20: 26-29. (C/-95 Broadway, Camberwell, Vic. 3124, Australia). *Charadrius bicinctus*.

Bakewell, D. & Young, L. 1989. *Report on ornithological observations from Hang Zhou Bay and Yancheng Nature Reserve, East China*. Kuala Lumpur: Asian Wetland Bureau. (Available from: Publication Section, Asian Wetland Bureau, Univ. Malaya, Lembah Pantai, 59100 Kuala Lumpur, Malaysia). Price not known.

Bekaert, L. 1991. Siberische Strandloper te Philippine in september 1989. [Sharp-tailed Sandpiper at Philippine in September 1989]. *Dutch Birding* 13: 139-140. In Dutch. *Calidris acuminata* in the Netherlands.

Bell, R.K. & Hall, G.A. 1991. Red Phalarope *Phalaropus fulicaria*, first county record for Greene County. *Pa. Birds* 5: 120. (RR 1, Box 229, Clarksville, PA 15322, USA).

Blondeel, D. & Willems, F. 1990. Grote Franjepoot *Phalaropus tricolor* in de Achterhaven van Zeebrugge in mei 1990. (Wilson's Phalarope *Phalaropus tricolor* at Zeebrugge in may 1990.). *Mergus* 4: 79-84. In Dutch with English and French summaries. (Onderwijsstraat 9, 8390 Knokke-Heist, Belgium).

Boshoff, A.F., Palmer, N.G. & Piper, S.E. 1991. Spatial and temporal abundance patterns of waterbirds in the southern Cape Province. Part 3. Wading birds. *Ostrich* 62: 197-214. (Chief Directorate: Nat. and Environmental Conserv., Private Bag 1006, Grahamstown 6140, South Africa).

Brader, M. 1991. [The Bar-tailed Godwit (*Limosa lapponica*) in Austria]. *Egretta* 34: 86-96. In German with English summary. (St. Bethold-Allee 2, A-4451, Garsten, Austria).

Brombach, H. 1992. Erweitert der Austernfischer (*Haematopus ostralegus*) sein Brutareal? [Does the Oystercatcher (*Haematopus ostralegus*) extend its breeding area?]. *Charadrius* 28: 111-112. In German with English summary. (Otto-Müller Str. 1, W-5090 Leverkusen 1, Germany). Extension of breeding area of *Haematopus ostralegus* further up the Rhine.

Carter, D.S., Jr., Davis, R.E., LeGrand, H.E., Jr., & Lynch, J.M. 1992. First record of Little Stint in North Carolina. *Chat* 56: 35-36. (137 E. Franklin St., Suite 404, Chapel Hill, NC 27514-3628, USA). *Calidris minuta*.

Chafer, C.J. 1991. Waterbird dynamics of Lake Illawarra and its peripheral wetlands. *Aust. Birds* 25: 29-59. (69 Lake Heights Rd., Lake Heights, NSW 2502, Australia).

Coda, R. & Bocca, M. 1990. [First sight of Spotted Sandpiper *Actitis macularia* in Aosta Valley (Italy)]. *Avocetta* 14: 137-138. In Italian. (Lega Italiana Protezione Uccelli, Aosta, Italy).

De Juana, E. 1991. El chorlito social (*Chettusia gregaria*) en España. [The Sociable Plover *Chettusia gregaria* in Spain]. *Ardeola* 38: 55-60. In Spanish. *Vanellus gregarius*.

De Putter, G., De Schuyter, T., Willemyns, F. & De Scheemaeker, F. 1989. Enkele totaalstellingen van pleisterende waadvogels langs de Vlaamse Noordzeekust, periode september 1988 - februari 1989. (Some results of shorebird censuses at the West-Flemish coast of the North Sea, during the winter of 1988-89). *Mergus* 3: 64-88. In Dutch with English and French summaries. (St. Jacobsstraat 32, 8000 Brugge, Belgium). Most important species: *Haematopus*

ostralegus, *Pluvialis squatarola*, *Arenaria interpres*, *Calidris maritima*, *C. alpina*, and *C. alba*.

De Putter, G. & Beirens, P. 1991. Woestijnplevier *Charadrius leschenaultii* te Zeebrugge in juli 1986. [Greater Sandplover at Zeebrugge in July 1986]. *Mergus* 5: 13-16. In Dutch with English and French summaries.

Debruyne, R. 1991. Woestijnplevier *Charadrius leschenaultii* van september 1975 te Nieuwpoort ten onrechte door het BAHC verworpen? [Record of Greater Sandplover of September 1975 at Nieuwpoort wrongly rejected by the Belgium rarity committee?]. *Mergus* 5: 17-21. In Dutch with English and French summaries. (Het Bedeff 32, 8600 Diksmuide, Belgium).

Devos, K. 1989. Overwinterende waadvogels in en rond de IJzermonding te Nieuwpoort, 1988-1989. (Waders in the Yser estuary). *Mergus* 3: 134-147. In Dutch with English and French summaries. (Lab. Ecol. Dieren, Zoogeografie en Natuurbehoud, R.U.G., K.L. Ledeganckstraat 35, 9000 Gent). Wintering waders: *Haematopus ostralegus*, *Charadrius hiaticula*, *Pluvialis squatarola*, *Calidris alpina*, *Tringa totanus*, and *Arenaria interpres*.

Elkin, J. 1992. Red-necked Phalaropes in Brunei Darussalam. *Stilt* 20: 48. (C/o PTR/3 BSP, Seria, Brunei Darussalam). *Phalaropus lobatus*.

Van der Elst, D. 1991. Le statut de l'Échasse blanche (*Himantopus himantopus*) en Wallonie et a Brussels. [The status of the Black-winged Stilt (*Himantopus himantopus*) in Walloon and in Brussels]. *Aves* 28: 40-42. In French. (Rue A. Markelbach 68, B-1030 Brussels, Belgium).

Van der Elst, D. 1991. Le statut du Becasseau de Temminck (*Calidris temminckii*) en Wallonie et a Brussels. [The status of Temminck's Stint (*Calidris temminckii*) in Walloon and in Brussels]. *Aves* 28: 43-45. In French.

Foxall, R. 1992. A sight record of Bar-tailed Godwit in Nova Scotia. *N.S. Birds* 34: 55-56. *Limosa lapponica*.

Heather, B.D. 1991. Oriental Plovers on Lord Howe Island. *Aust. Birds* 25: 59-60. (10 Jocelyn Crescent, Silverstream, New Zealand). *Charadrius veredus*.

Heller, J. 1991. Marbled Godwit *Limosa fedoa*, Lancaster County. *Pa. Birds* 5: 120. (194 Newcomer Rd., Mt. Joy, PA 17552, USA).

Henriksen, K. 1991. (Population status and trends of Curlew (*Numenius arquata*) in Northern Europe). *Dansk Vildundersogelser* No. 46. 48 pp. In Danish with English summary. (Kaervej 17, 8230 Åbyhøj, Denmark).

Jentzsch, M., Otto, F. & Schulze, W. 1991. Zum Vorkommen der Wat- und Wasservogel an den Schlamnteichen der Zuckerfabrik Oberröblingen (Kreis Sangerhausen) 1976-1986. [The



- occurrence of water birds and waders on the settling ponds of the sugar-factory at Oberröblingen (district Sangerhausen) from 1976-1986]. *Beitr. Vogelkd.* 37: 193-232. In German. (Kirchstr. 16, D-4701 Oberröblingen, Germany).
- Jukema, J. 1992. Kleine Goudplevier bij Abbega in November 1990. [Pacific Golden Plover near Abbega in November 1990]. *Dutch Birding* 14: 14-16. In Dutch with English summary. (Haerdawei 44, 8854 AC, Oosterbierum, Netherlands). *Pluvialis dominica* in the Netherlands.
- Kirby, J., Cartmel, S. & Green, M. 1991. Distribution and habitat preferences of waders wintering on non-estuarine west coast of Ireland. *Irish Birds* 4: 317-334. (Wildfowl & Wetlands Trust, Slimbridge, Gloucester GL2 7BT, UK).
- Knowles, C.J. 1989. Mountain Plover *Charadrius montanus*. In: Clark, T.W., Harvey, A.H., Dorn, R.D., Center, D.L. & Groves, C. (eds.). Rare, sensitive, and threatened species of the Greater Yellowstone Ecosystem. p. 74. (P.O. Box 113, Boulder, MT 59632, USA).
- Kovacs, G. 1991. Migration of Dotterels (*Eudromias morinellus* L., 1758) in the Hortobagy. *Aquila* 98: 83-97. *Eudromias morinellus* in Hungary.
- Kovacs, G. 1991. Recent occurrence of Slender-billed Curlews (*Numenius tenuirostris* Veill., 1850) in the Hortobagy. *Aquila* 98: 187. *Numenius tenuirostris* in Hungary.
- Kwater, E. 1992. Identifying a problem Yellowlegs. *Birding* 24: 18-20. (9828 Residential Dr., No. 108, Allison Park, PA 15101, USA). *Tringa flavipes*, *T. melanoleuca*.
- Lainer, H. 1991. Grey-headed Lapwing *Vanellus cinereus* (Blyth) in Goa. *J. Bombay Nat. Hist. Soc.* 88: 111.
- Martin, R. 1991. Piping Plover survey report. *Louisiana Ornithol. Soc. News* 140: 4. (Louisiana Dept. Wildl. Fish. 621 Maxine Dr., Baton Rouge, LA 70808, USA). *Charadrius melodus*.
- Medland, R.D. 1991. First record of Pacific Golden Plover, *Pluvialis fulva*, in Malawi. *Nyala* 15: 48-49. (P.O. Box 30370, Lilongwe 3, Malawi).
- Moore, C.C. 1991. Transatlantic vagrancy of adult White-rumped Sandpipers in early autumn. *Dutch Birding* 13: 139-140. *Calidris fuscicollis*.
- Morris, A.K. 1991. Hudsonian Godwit: first Australian and New South Wales record. *Aust. Birds* 25: 24-25. (1 Wombat St., Berkeley Vale, NSW 2259, Australia). *Limosa haemastica*.
- Müller, O. 1991. Little Ringed Plover at Herdsman Lake. *West. Aust. Nat.* 18: 236. (7 Hamer Ave., Wembley Downs, WA 6019, Australia). *Charadrius dubius* in Australia.
- Müller, W.R. & Wissen, W. 1992. Brutnachweise des Austernfischers (*Haematopus ostralegus*) in den naturräumlichen Haupteinheiten Niers-Niederung, Issel-Ebene und Niederrheinische Sandplatten. [Breeding records of the Oystercatcher (*Haematopus ostralegus*) from the Niers Lowland, Issel Plain and Lower Rhine Sand-Plateau]. *Charadrius* 28: 65-68. In German with English summary. (Haus Friedburg, Postfach 13 13, W-4242 Rees, Germany). Extension of breeding area of *Haematopus ostralegus* within the Lower Rhineland, Germany.
- Perttula, H. 1990. [Breeding areas of Southern Dunlin in Finland and restoration of habitats]. *Lintumies* 25: 11-15. In Finnish with English summary. (Yo-kylä 10 B 7, SF-20510, Turku, Finland). *Calidris alpina*.
- Peyton, M.M. 1991. Snowy Plover sightings. *Nebr. Bird Rev.* 59: 98. (1105 17th., Gothenburg, NE 69138, USA). *Charadrius alexandrinus* in Nebraska.
- Pook, J. 1992. Banding round-up complete list. *Stit* 20: 51-76. (Australian Bird and Bat Banding Schemes, Australian National Parks and Wildlife Service, P.O. GPO Box 8, Canberra, ACT 2601 Australia). Complete list of international wader recoveries received by the Australian banding scheme up to January 1992.
- Redmond, R.L. 1989. Long-billed Curlew *Numenius americanus*. In: Clark, T.W., Harvey, A.H., Dorn, R.D., Center, D.L. & Groves, C. (eds.). Rare, sensitive, and threatened species of the Greater Yellowstone Ecosystem. pp. 75-76. (Coop. Wildl. Res. Unit, Univ. Mont., Missoula 59812, USA).
- Reel, S. 1989. Upland Sandpiper *Bartramia longicauda*. In: Clark, T.W., Harvey, A.H., Dorn, R.D., Center, D.L. & Groves, C. (eds.). Rare, sensitive, and threatened species of the Greater Yellowstone Ecosystem. pp. 77-78. (831 E. Beckwith, Missoula, MT 59801, USA).
- Rimmer, D.W. 1992. The Piping Plover in Massachusetts: status of recovery and research efforts. *Bird Observer* 20: 23-28. *Charadrius melodus*.
- Robbins, S. 1991. Purple Sandpiper (*Calidris maritima*): 1 December 1991, Sheboygan Co., Sheboygan. *Passenger Pigeon* 53: 279. (14 S. Roby Rd., Madison, WI 53705, USA).
- Roselaar, C.S. & Gerritsen, G.J. 1991. Recognition of Icelandic Black-tailed Godwit and its occurrence in the Netherlands. *Dutch Birding* 13: 128-134. (Inst. Taxon. Zool. (Zool. Mus.), P.O. Box 4766, 1009 AT Amsterdam, Netherlands). *Limosa limosa islandica*.
- Rossouw, J. 1991. Hudsonian Godwit back at the Berg. *Promerops* No. 201, p. 10. *Limosa haemastica* in South Africa.
- Ruitenbeek, W. 1991. De Bonte Strandloper in het binnenland van Noord-Holland van augustus 1988 tot en met juli 1990. [The Dunlin in the interior of the province of North-Holland from August 1988 - July 1990]. *Graspieper* 11: 155-158. In Dutch. (Nassauplein 17, 1814 GN Alkmaar, Netherlands). *Calidris alpina*.
- Schlögel, J. 1991. Ein Rotflügel-Brachschwalbe *Glareola pratincola* im Unterallgäu. [A Common Pratincole *Glareola pratincola* in the Unterallgäu]. *Orn. Anz.* 30: 90. In German. (Hauptstr. 2, 8941 Ungerhausen, Germany).
- Schlögel, J. 1991. Ein Steppenkiebitz *Chettusia gregaria* im Unterallgäu. [A Sociable Plover *Chettusia gregaria* in the Unterallgäu]. *Orn. Anz.* 30: 91. In German.
- Sengupta, S. 1990. Woodcock *Scolopax rusticicola* Linn. in the Jatinga Bird Phenomenon. *J. Bombay Nat. Hist. Soc.* 87: 451.
- Straka, U. 1991. [Contribution to the occurrence of Golden Plovers (*Pluvialis apricaria*) on farmland in eastern Austria]. *Egretta* 34: 97-103. In German with English summary. (Inst. Zool., Univ. Bodenkultur, Gregor-Mendel-Str. 33, A-1180 Vienna, Austria).
- Summers, R.W., Corse, C.J., Martin, M.W.A. & Meek, E.R. 1991. Shorebird populations on the Orkney coastline in winter. *Scott. Birds* 16: 90-105.
- Svingen, P. 1991. Notes on a female Ruff. *Loon* 63: 280. (151 Bedford St. S.E., Minneapolis, MN 55414, USA). *Philomachus pugnax* in Minnesota.
- Tanger, D. 1992. Stelloptellingen in Noord-Holland in November 1989 en 1990. [Wader counts in the province of North-Holland in November 1989 and 1990]. *Graspieper* 12: 8-17. In Dutch. (Santpoorterstraat 34, 2023 DC Haarlem, Netherlands). Distribution of *Pluvialis apricaria*, *Numenius arquata*, *Vanellus vanellus*, *Haematopus ostralegus*, and *Philomachus pugnax*.
- Tomkovich, P.S. 1992. Breeding-range and population changes of waders in the former Soviet Union. *Brit. Birds* 85: 344-365. (Dept. Ornithology, Zool. Mus. Moscow State Univ., Herzen St. 6, 103009 Moscow, Russia). Current breeding range and population of *Himantopus himantopus*, *Glareola pratincola*, *G. nordmanni*, *Pluvialis apricaria*, *Vanellus vanellus*, *Chettusia leucura*, *Tringa stagnatilis*, *Philomachus pugnax*, *Gallinago media*, and *Limnodromus scolopaceus*.
- Troliet, B. 1992. Répartition et effectifs hivernaux des limicoles côtiers. [Winter distribution and numbers of coastal waders]. *B.M. O.N.C.* No. 169: 7-17. In French. (Office National de la Chasse, Chanteloup, 85340, L'île d'Olonne, France). Summary of results of mid-January counts of coastal waders in France between 1977 and 1991.
- Walker, K., Moore, P. & Elliot, G. 1991. The Auckland Island Banded Dotterel has apparently increased. *Notornis* 38: 257-265. (Dept. Conserv., Private Bag, Nelson, New Zealand). *Charadrius bicinctus*.
- Wang, H. 1992. Surveys of migratory shorebirds



at Sheyang Saltworks, Jiangsu Province, China, autumn 1991. *Stilt* 20: 48-50. (Management Div. Yancheng Nature Reserve, Yancheng 224333, Jiangsu Province, Peoples Republic of China). A total of 32,458 waders of 41 species passed through Sheyang Saltworks in autumn 1991. Highest numbers of birds and species occurred during ten days in the middle of August and in the beginning of September.

Whittaker, A. 1992. Exceptionally large roost gathering of Common Sandpipers. *Brit. Birds* 85: 241-242. (Westerley, 5 Bryn Grove, Hest Bank, near Lancaster LA2 6EX, UK). *Actitis hypoleucos* in large numbers on north eastern coast of Borneo.

Willemyns, F. & De Ruwe, F. 1991. Gekleurde Griel *Burhinus oediacnemus* te Zeebrugge. (English Stone Curlew *Burhinus oediacnemus* in Zeebrugge). *Mergus* 5: 27-28. In Dutch with English and French summaries. (Dianadreef 31, 8200 Brugge, Belgium). Colour ringed Stone Curlew from Methwold, (England) in Flanders, Belgium.

Willtraut, R. 1991. A late adult Hudsonian Godwit (*Limosa haemastica*): first Lehigh County record. *Pa. Birds* 5: 155-156. (205 Washington St., Nazareth, PA 18064, USA).

Yuan-Hong Chuang 1992. Summary of 1989/90 banding results in Taiwan. *Stilt* 20: 44-47. (Banding Ctr., Wild Bird Soc. R.O.C., 6, Alley 1, Lane 295, Fu-Shin S. Rd., Sec.1, Taipei, Taiwan, Republic of China).

MISCELLANEOUS

Bamford, M. 1992. The impact of predation by humans upon waders in the Asian/Australasian flyway: evidence from the recovery of bands. *Stilt* 20: 38-40. (23 Plover Way, Kingsley, WA 6026, Australia).

Barter, M. & Rush, M. 1992. Leg-flagging waders in Australia: why and how?. *Stilt* 20: 23-26. (21 Chivalry Ave., Glen Waverley, VIC 3150, Australia).

Becker, P.H., Heidmann, W.A., Büthe, A., Frank, D. & Koepf, C. 1992. Umweltchemikalien in Eiern von Brutvögeln der deutschen Nordseeküste: trends 1981-1990. (Chemical residues in eggs of birds from the southern coast of the North Sea: trends 1981-1990). *J. Orn.* 133: 109-124. In German with English summary. (Inst. Vogelforschung, An der Vogelwarte 21, D-2990 Wilhelmshaven, Germany). Organochlorine and mercury concentrations were analysed in eggs of *Sterna hirundo* and *Haematopus ostralegus* at four sample sites. Increasing levels of O-HCH , δ DDT, Lindane, mercury and δ PCB were found and decreases in HCB's.

Berthold, P. (ed.) 1991. *Orientation in birds*. Basel [etc.]: Birkhäuser Verlag, 331 p. ISBN: 3-7643-2618-2. - price: DM 168.

Bildstein, K.L., Bancroft, G.T., Dugan, P.J., Gordon, D.H., Erwin, R.M., Nol, E., Payne, L.X. & Senner, S.E. 1991. Approaches to the conservation of coastal wetlands in the Western Hemisphere. *Wilson Bull.* 103: 218-254.

Cooper, A.A. 1992. Foot-trembling behaviour of Dotterel. *Brit. Birds* 85: 308-309. (28 Peel Park Ave., Clitheroe, Lancashire BB7 1ET, UK). *Charadrius morinellus*.

Dachverband Biologischer Stationen Nordrhein-Westfalen 1992. *Feuchtwiesenschutz in Deutschland: Auswege aus der ökologischen und ökonomischen Sackgasse?*. [Conservation of wet meadows in Germany: a way out of the economic and ecological cul-de-sac?]. 69 pp. In German. (Biologische Station, Coermühle 181, 4000 Münster, Germany). Papers of the congress on the conservation of wet meadows in Germany. Threats, management and conservation problems, and conservation policy are discussed. Several examples of the decline of meadowbird populations are described e.g. for *Tringa totanus*, *Vanellus vanellus*, *Limosa limosa* and *Numerius arquata*.

Davidson, N.C., d'A Laffoley, D., Doody, J.P., Way, L.S., Key, R., Drake, C.M., Pienkowski, M.W., Mitchell, R. & Duff, K.L. 1991. *Nature conservation and estuaries in Great Britain*. Peterborough, Nature Conservancy Council, 422 pp. ISBN 0-86139-708-8. Order from: Publications Unit, Joint Nature Conservancy Council, Northminster House, Peterborough PE1 1UA, UK. Price £25 incl. postage.

Exo, K.-M. 1992. Methoden zur Aufnahme von Raum-Zeit-Budgets bei Vögeln, dargestellt am Beispiel des Austernfischers (*Haematopus ostralegus*). (Methods to monitor space and time budgets of birds, in the Oystercatcher (*Haematopus ostralegus*) as an example). *Vogelwarte* 36: 311-325. In German with English summary. (An der Vogelwarte 21, DW-2940 Wilhelmshaven, Germany). Different methods and in particular new microcomputer-controlled systems to monitor time and space budgets of birds quantitatively are presented. The following methods are described: visual observations, monitoring activity patterns using radio telemetry, telemetric registration of incubation, tracking telemetry and a method to monitor body mass data automatically during incubation. Data registration was largely automated.

Groot, T. de 1991. Gedeeltelijk albinistische Temmincks Strandloper bij Oudega in mei 1991. [Partial albinistic Temminck's Stint at Oudega in May 1991]. *Dutch Birding* 13: 141. In Dutch. *Calidris temminckii* in the Netherlands.

McCarthy, G. 1992. Knot with cockle shell attached to leg. *Brit. Birds* 85: 240. (53 Brighton Rd., Horsham, West Sussex, UK). *Calidris canutus*.

Rathbone, P. & Rathbone, M. 1992. Stone-curlew killing adult Linnets. *Brit. Birds* 85: 135.

((Wren, Llanarmon-yn-Ial, near Mold, Clwyd CH7 4QD, UK). *Burhinus oediacnemus* eating *Carduelis cannabina*.

Reijnen, M.J.S.M. Foppen, R.P.B. 1991. *Effect van wegen met autoverkeer op de dichtheid van broedvogels: hoofdrapport*. [Effect of road traffic on the density of breeding birds: main report]. Leersum: DLO-Instituut voor Bos- en Natuuronderzoek, 110 p. In Dutch with English summary. IBN-report 91/1, available from DLO Institute for Forestry and Nature Research, P.O. Box 23, 6700 AA Wageningen, Netherlands. Price Dfl. 16.- on postal giro account no. 948540 (payment in advance).

Sharrock, J.T.R. 1992. Redshank habitually swimming to avoid human beings. *Brit. Birds* 85: 311. (Fountains, Park Lane, Blunham, Bedford MK44 3NJ, UK). *Tringa totanus*.

Smit, C.J. 1992. Scholekster *Haematopus ostralegus* slachtoffer van de rokende mens *Homo sapiens fumans*. (Oystercatcher *Haematopus ostralegus* victim of smoking human). *Limosa* 65: 73-74. In Dutch with English summary. (IBN-DLO, P.O. Box 167, 1790 AD Den Burg, Texel, Netherlands). Dead Oystercatcher with a plastic mouthpiece of a small cigar around the tip of the bill.

Weston, M. 1992. A potential methodological problem with determining the reproductive success of palearctic waders from the proportion of juveniles in cannon-netted samples. *Stilt* 20: 18-19. (28 Craig Rd., Donvale, Vic. 3111, Australia).

