

## PUBLICATIONS AND THESES ON ANTARCTIC AND SUB-ANTARCTIC BIRDS, 1989

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### SUMMARY

COOPER, J. 1990. Publications and theses on Antarctic and sub-Antarctic birds, 1989. *Marine Ornithology* 18: 19-25.

A total of 102 scientific publications and theses on Antarctic and sub-Antarctic birds for the year 1989 is listed by title. This annual list is produced by the Bird Biology Subcommittee of the Scientific Committee on Antarctic Research (SCAR) Working Group on Biology as a service to marine ornithologists.

### INTRODUCTION

In 1986 the Bird Biology Subcommittee of the Scientific Committee on Antarctic Research (SCAR) Working Group on Biology recommended that a list of recent publications on Antarctic and sub-Antarctic seabird species from 1984 onwards be prepared.

The 1989 list, the fourth to be produced and published in *Marine Ornithology* (formally *Cormorant*), has been compiled by scanning the relevant literature and abstracting services, and by correspondence with members of the subcommittee. Readers are requested to send reprints of their recent relevant literature, including ones missing from this and previous lists, to the author for inclusion in subsequent lists.

Prior to 1984, bibliographies of Antarctic and sub-Antarctic birds have been produced by Roberts (1941) and Arnaud *et al.* (1967). These should be consulted for early (and now often little known) references.

### BIBLIOGRAPHY

ADAMS, N.J. 1989. A question of fishing

penguins. *Nuclear Active* 40: 25-29.

ADAMS, N.J. & BROWN, C.R. 1989. Dietary differentiation and trophic relationships in the sub-Antarctic penguin community at Marion Island. *Mar. Ecol. Prog. Ser.* 57: 249-258.

ADAMS, N.J. & KLAGES, N.T. 1989. Temporal variation in the diet of the Gentoo Penguin *Pygoscelis papua* at sub-Antarctic Marion Island. *Colonial Waterbirds* 12: 30-36.

ALVAREZ COTELO, B.J., FROS FROS, T., PUIG BUR, J.E. & SANCHEZ MÉNDEZ, J.A. 1989. Estudio de algunas variables ecológicas en una pingüinera de *Pygoscelis papua*, en las Islas Shetland del Sur- Isla Ardley. *Inst. Ant. Uruguayo Act. Cient.* 1987/88. 3: 59-75

ALVAREZ COTELO, B.J., FROS FROS, T., PUIG BUR, J.E. & SANCHEZ MÉNDEZ, J.A. 1989. Síndrome general de adaptación en *Pygoscelis papua* a través de parámetros etológicos, biológicos y de productividad en una pingüinera. Islas Shetland del Sur- Isla Ardley *Inst. Ant. Uruguayo Act. Cient.* 1987/88. 3: 77-86.

ALVAREZ COTELO, B.J., FROS FROS, T., PUIG BUR, J.E. & SANCHEZ MÉNDEZ, J.A. 1989. Postura y fertilidad en *Pygoscelis papua*. *Inst. Ant. Uruguayo Act. Cient.* 1987/88. 3: 87-100.

AUSILJO, E. & ZOTIER, R. 1989. Vagrant birds

- at îles Kerguelen, southern Indian Ocean. *Cormorant* 17: 9-18.
- BARRÉ, H. 1989. Adaptation au froid chez les manchots. *Actes du Colloque sur la Recherche Française dans les Terres Australes, Strasbourg 1987*: 65-66.
- BRETAGNOLLE, V. 1989. Calls of Wilson's Storm Petrel: functions, individual and sexual recognitions and geographic variation. *Behaviour* 111: 98-112.
- BRETAGNOLLE, V. 1989. Temporal progression of the Giant Petrel courtship. *Ethology* 80: 245-254.
- BASTOS, V.L. & SANDER, M. 1989. Nota sobre o conteúdo estomacal de *Macronectes giganteus* (Gmelin, 1789) em Stinker Point na Ilha Elefante, Arquipélago das Shetland do Sul, Antarctica (Aves - Procellariidae). *Acta Biol. Leopold.* 11: 47-53.
- BROADY, P.A., ADAMS, C.J., CLEARY, P.J. & WEAVER, S.D. 1989. Ornithological observations at Edward VII Peninsula, Antarctica, in 1987-88. *Notornis* 36: 53-61.
- BROOKE, M. de L. 1989. Determination of the absolute visual threshold of a nocturnal seabird, the Common Diving Petrel *Pelecanoides urinatrix*. *Ibis* 131: 290-300.
- BROWN, C.R. 1989. Energy requirements and food consumption of *Eudyptes* penguins at the Prince Edward Islands. *Antarct. Sci.* 1: 15-21.
- CHAPPELL, M.A., MORGAN, K.R., SOUZA, S.L. & BUCHER, T.L. 1989. Convection and thermoregulation in two Antarctic Seabirds. *J. Comp. Physiol.* B159: 313-322.
- CLARKE, A. 1989. Seabirds. In: ACKMAN, R.G. (Ed.). *Marine biogenic lipids, fats, and oils*, vol. 2. Boca Raton, Florida: CRC Press. pp. 383-398.
- COBLEY, N. 1989. Aspects of the survival of Blue-eyed Shags (*Phalacrocorax atriceps* King). In: HEYWOOD, R.B. (Ed.). *University research in Antarctica. Proceedings of British Antarctic Survey Antarctic Special Topic Award Scheme Symposium 9-10 November 1988*. Cambridge: British Antarctic Survey. pp. 93-96.
- COBLEY, N. 1989. First recorded sighting of the Imperial Cormorant *Phalacrocorax atriceps* at Zavadovski Island, South Sandwich Islands. *Cormorant* 17: 78.
- COOPER, J. & BERRUTI, A. 1989. The conservation status of South Africa's continental and oceanic islands. In: HUNTLEY, B.J. (Ed.). *Biotic diversity in southern Africa: concepts and conservation*. Cape Town: Oxford University Press. pp. 239-253.
- COOPER, J. & PILLAY, D. 1989. Publications and theses on Antarctic and sub-Antarctic birds, 1988. *Cormorant* 17: 19-26.
- CULIK, B., ADELUNG, D., HEISE, M., WILSON, R.P., CORIA, N.R. & SPAIRANI, H.J. 1989. In situ heart rate and activity of incubating Adélie Penguins (*Pygoscelis adeliae*). *Polar Biol.* 9: 365-370.
- DAVIS, R.W., CROXALL, J.P. & O'CONNELL, M.J. 1989. The reproductive energetics of Gentoo (*Pygoscelis papua*) and Macaroni (*Eudyptes chrysolophus*) penguins at South Georgia. *J. Anim. Ecol.* 58: 59-74.
- DAVIS, L.S. & McCAFFREY, F.T. 1989. Recognition and parental investment in Adélie Penguins. *Emu* 89: 155-158.
- DE KORTE, J. 1989. Allometric growth in Skua's (sic): an adaptation to ground predation? A comparison of the Brown Skua *Catharacta lönbergi* of South Georgia and the Long-tailed Skua *Stercorarius longicaudus* of Greenland. *Circumpolar J.* 4(2/3): 81-84.
- DEWASMES, G., BUCHET, C., GELOEN, A. & LE MAHO, Y. 1989. Sleep changes in Emperor Penguins during fasting. *Amer. J. Physiol.* 256: R476-R480.
- DRABEK, C.M. 1989. Heart and ventricle weights of Antarctic penguins. *Can. J. Zool.* 67: 2602-2604.
- DUCHAMP, C., BARRÉ, H., DELAGE, D., BERNE, G., BREBION, P. & ROUANET, J.L. 1989. Nonshivering thermogenesis in winter-acclimatized King Penguin chicks. In: BECH, C. & REINERSTEN, R.E. (Eds.). *Physiology of cold adaptation in birds*. Loen: Plenum Press. pp. 59-67.
- DUCHAMP, C., BARRÉ, H., DELAGE, D.,

- ROUANET, J.L., COHEN-ADAD, F. & MINAIRE, Y. 1989. Nonshivering thermogenesis and adaptation to fasting in King Penguin chicks. *Am. J. Physiol.* 257: R744-R751.
- EPPELEY, Z.A. & RUBEGA, M.A. 1989. Indirect effects of an oil spill. *Nature* 340: 513.
- FRASER, W.R., PITMAN, R.L. & AINLEY, D.G. 1989. Seabird and fur seal responses to vertically migrating winter krill swarms in Antarctica. *Polar Biol.* 10: 37-41.
- FURET, L. 1989. Régime alimentaire du Chat Haret (*Felis catus*) sur l'île Amsterdam. *Rev. Ecol. (Terre Vie)* 44: 31-43.
- GHEBREMESKEL, K., WILLIAMS, G., KEYMER, I.F. & HORSLEY, D.T. 1989. Liver and plasma retinol (vitamin A) in wild, and liver retinol in captive penguins (Spheniscidae). *J. Zool., Lond.* 219: 245-250.
- GHEBREMESKEL, K., WILLIAMS, G., KEYMER, I.F., HORSLEY, D. & GARDNER, D.A. 1989. Plasma chemistry of Rockhopper (*Eudyptes crestatus*), Magellanic (*Spheniscus magellanicus*) and Gentoo (*Pygoscelis papua*) wild penguins in relation to moult. *Comp. Biochem. Physiol.* 92A: 43-47.
- GREEN, B. & BROTHERS, N. 1989. Water and sodium turnover and estimated food consumption rates in free-living Fairy Prions (*Pachyptila turtur*) and Common Diving Petrels (*Pelecanoides urinatrix*). *Physiol. Zool.* 62: 702-715.
- GROSCOLAS, R. 1989. Adaptation au jeûne prolongé: rôle et métabolisme du tissu adipeux chez les oiseaux antarctiques et subantarctiques. *Actes du Colloque sur la Recherche Françaises dans les Terres Australes, Strasbourg 1987:* 67-77.
- GROSCOLAS, R. & LELOUP, J. 1989. Effect of severe starvation and captivity stress on plasma thyroxene and triiodothyronine concentrations in an Antarctic bird (Emperor Penguin). *Gen. Comp. Endocrinol.* 73: 108-117.
- HANRICH, Y. 1989. Incubation water loss in King Penguin egg. 1. Change in egg and brood pouch parameters. *Physiol. Zool.* 62: 96-118.
- HANRICH, Y. 1989. Incubation water loss in King Penguin egg. II. Does the brood patch interfere with eggshell conductance? *Physiol. Zool.* 62: 119-132.
- HEINE, J.C. & SPEIR, T.W. 1989. Ornithogenic soils of the Cape Bird Adelie Penguin rookeries, Antarctica. *Polar Biol.* 10: 89-99.
- HEINEMANN, D., HUNT, G. (L.) & EVERSON, I. 1989. Relationships between the distributions of marine avian predators and their prey, *Euphausia superba*, in Bransfield Strait and southern Drake Passage, Antarctica. *Mar. Ecol. Prog. Ser.* 58: 3-16.
- HINDELL, M.A. 1989. The diet of Gento Penguins *Pygoscelis papua* at Macquarie Island: winter and early breeding season. *Emu* 89: 71-78.
- HOBERG, E.P. & RYAN, P.G. 1989. Ecology of helminth parasitism in *Puffinus gravis* (Procellariiformes) on the breeding grounds at Gough Island. *Canad. J. Zool.* 67: 220-225.
- HUNTER, S. & KLAGES, N.T. 1989. The diet of Grey-headed Albatrosses *Diomedea chrysostoma* at the Prince Edward Islands. *S. Afr. J. Antarct. Res.* 19: 31-33.
- INOUE, M. 1989. Factors influencing the existence of lichens in the ice-free areas near Syowa Station, east Antarctica. *Proc. NIPR Symp. Polar Biol.* 2: 167-180.
- IRWIN, M.P.S. 1989. Vagrant cuckoos in the southern Indian Ocean: a comment. *Cormorant* 17: 87-88.
- JACKSON, S. & PLACE, A.R. 1989. Living off the fat of the sea. *Nuclear Active* 41: 38-41.
- JOUVENTIN, P. 1989. Ecologie des oiseaux et mammifères des îles subantarctiques - Bilan et perspectives. *Actes du Colloque sur la Recherche Françaises dans les Terres Australes, Strasbourg 1987:* 109-122.
- JOUVENTIN, P. 1989. Importance et fragilité du patrimoine biologique des T.A.A.F.: oiseaux et mammifères. *Actes du Colloque sur la Recherche Françaises dans les Terres Australes, Strasbourg 1978:* 287-293.
- JOUVENTIN, P., MARTINEZ, J. & ROUX J.-P. 1989. Breeding biology and current status of the Amsterdam Island Albatross. *Ibis* 131: 171-189.
- KLAGES, N. 1989. Food and feeding ecology of

- Emperor Penguins in the eastern Weddell Sea. *Polar Biol.* 9: 385-390.
- KLAGES, N.T.W., GALES, R.P. & PEMBERTON, D. 1989. Dietary segregation of Macaroni and Rockhopper Penguins at Heard Island. *Aust. Wildl. Res.* 16: 599-604.
- KOSTELECKA-MYRCHA, A. & MYRCHA, A. 1989. Changes of the red blood picture during nesting development of Wilson's Storm Petrel (*Oceanites oceanicus* Kühl). *Pol. Polar Res.* 10: 151-162.
- LAZO, I.F. & YAÑEZ, J. 1989. First record of Black-necked Swan *Cygnus melancoryphus* in South Shetland and Antarctica. *Polar. Rec.* 25: 354.
- LE MAHO, Y., CHEREL, Y., ROBIN, J.-P. & HANDRICH, Y. 1989. Adaptation au jeûne prolongé: les manchots, un modèle pour l'étude de l'épargne protéique. *Actes du Colloque sur la Recherche Françaises dans les Terres Australes, Strasbourg 1987:* 79-84.
- LEMAIRE, L. 1989. Observation de Cormorans à ventre blanc *Phalacrocorax albiventer* présentant des caractéristiques de plumage inhabituelles dans l'archipel Kerguelen (48° 27' à 50° S- 68° 27' à 70° 35'E) *Oiseau* 59: 223-225.
- LIPINSKI, M.R. & JACKSON, S. 1989. Surface-feeding on cephalopods by procellariiform seabirds in the southern Benguela region, South Africa. *J. Zool., Lond.* 218: 549-563.
- LUKE, B.G., JOHNSTONE, G.W. & WOEHLER, E.J. 1989. Organochlorine pesticides, PCBs and mercury in Antarctic and Subantarctic seabirds. *Chemosphere* 19: 2007-2021.
- MOCZYDLOWSKI, E. 1989. Protection of eggs and chicks against flooding as a part of nesting strategy of pygoscelid penguins at King George Island, South Shetlands. *Pol. Polar Res.* 10: 163-181.
- NAVEEN, R. 1989. First record of Long-tailed Jaegar for South Georgia. *Am. Birds* 43: 17.
- NEWTON, I.P. & FUGLER, S.R. 1989. Notes on the winter-breeding Greatwinged Petrel *Pterodroma macroura* and Grey Petrel *Procellaria cinerea* at Marion Island. *Cormorant* 17: 27-34.
- NIEWIADOMSKA, K., ZDZITOWIECKI, K. & OSTROWSKI DE NUÑEZ, M. 1989. Redescription of *Diplostomum minutum* Szidat, 1964 (Digenea, Diplostomidae). *Acta Parasitol. Pol.* Vol. 34: 267-271.
- NUÑEZ, H. & YAÑEZ, J. 1989. [Early ontogeny of *Pygoscelis papua* (Forster) in Ardley Island: biological parameters and behavioral traits. (Sphenisciformes: Spheniscidae)]. *Ser. Cient. INACH.* 39: 159-165.
- OATLEY, T.B. 1989. Antarctic and sub-Antarctic banding, July 1985 - June 1986. *Cormorant* 17: 35-40.
- OEHME, H. & BANNASCH, R. 1989. Energetics of locomotion in penguins. In: WIESER, W. & GNAIGER, E. (Eds.). *Energy transformations in cells and organisms.* Stuttgart: Georg Thieme Verlag. pp. 230-240.
- PENHALE, P.A. 1989. Research team focuses on environmental impact of oil spill. *Antarct. J.U.S.* 24(2): 9-12.
- PETER, H.-U., BANNASCH, R., BICK, A., GEBAUER, A., KAISER, M., MONKE, R. & ZIPPEL, D. 1989. Bestand und Reproduction ausgewählter antarktischer Vogel und Robben im Südwestteil von King George Island, South Shetland Islands. [Abundance and reproduction of some Antarctic birds and seals in southwestern parts of King George Island (South Shetland Islands)]. *Wiss. Ztschr. Friedrich-Schiller-Univ. Jena, Naturwiss* 38: 645-657.
- PICKERING, S.P.C. 1989. Attendance patterns and behaviour in relation to experience and pair-bond formation in the Wandering Albatross *Diomedea exulans* at South Georgia. *Ibis* 131: 183-195.
- PLANT, A.R. 1989. Occurrence of filoplumes in storm petrels. *Seabird* 12: 32-34.
- RIDOUX, V. 1989. Régimes alimentaires des oiseaux des îles Crozet. Impact sur le milieu marin. *Actes du Colloque sur la Recherche Françaises dans les Terres Australes, Strasbourg, 1979:* 85-94.
- RIDOUX, V. & OFFREDO, C. 1989. The diets of five summer breeding seabirds in Adélie Land,

- Antarctica. *Polar Biol.* 9: 137-145.
- ROBISON, P., AUBIN, T. & BREMOND, J.C. 1989. La reconnaissance individuelle chez le Manchot empereur (*Aptenodytes forsteri*): rôles respecifs du découpage temporel et de la structure syllabique du chant de cour. *C.R. Acad. Sci. Paris* 309 Ser. III: 383-388.
- ROBY, D.D. 1989. Chick feeding in the diving petrels *Pelecanoides georgicus* and *P. urinatrix exsul*. *Antarct. Sci.* 1: 337-342.
- ROSA, R., RODRIGUES, E. & BACILA, M. 1989. Blood glucose partition and levels of glycolytic enzymes in erythrocytes and somatic tissues of penguins. *Comp. Biochem. Physiol.* 92B: 307-311.
- RYAN, P.G. 1989. The distribution and abundance of Longtailed Skuas off southern Africa. *Ostrich* 60: 89-90.
- RYAN, P.G. 1989. Common Nighthawk *Chordeiles minor* and new records of seabirds from Tristan da Cunha and Gough Islands. *Bull. Br. Orn. Club.* 109: 147-149.
- RYAN, P.G., AVERY, G., ROSE, B., ROSS, G.J.B., SINCLAIR, J.C. & VERNON, C.J. 1989. The Southern Ocean seabird irruption to South African waters during winter 1984. *Cormorant* 17: 41-55.
- RYAN, P.G. & COOPER, J. 1989. The distribution and abundance of aerial seabirds in relation to Antarctic Krill in the Prydz Bay region, Antarctica, during late summer. *Polar Biol.* 10: 199-209.
- RYAN, P.G. & COOPER, J. 1989. Observer precision and bird conspicuousness during counts of birds at sea. *S. Afr. J. Mar. Sci.* 8: 271-276.
- RYAN, P.G. & WATKINS, B.P. 1989. Snow Petrel breeding biology at an inland site in continental Antarctica. *Colonial Waterbirds* 12: 176-184.
- RYAN, P.G. & WATKINS, B.P. 1989. The influence of physical factors and ornithogenic products on plant and arthropod abundance at an inland nunatak group in Antarctica. *Polar Biol.* 10: 151-160.
- RYAN, P.G., WATKINS, B.P., LEWIS SMITH, R.I., DASTYCH, H., EICKER, A., FOISSNER, W., HEATWOLE, H., MILLER, W.R. & THOMPSON, G. 1989. Biological survey of Robertskollen, western Dronning Maud Land: area description and preliminary species lists. *S. Afr. J. Antarct. Res.* 19: 10-20.
- SAGAR, P.M. & SAGAR, J.L. 1989. The effects of wind and sea on the feeding of Antarctic Terns at the Snares Islands, New Zealand. *Notornis* 36: 171-182.
- SWART, R. 1989. Observations of birds at nunataks in western Dronning Maud Land, Antarctica, 1988-1989. *Cormorant* 17: 84-85.
- TATUR, A. 1989. Ornithogenic soils of the maritime Antarctic. *Pol. Polar Res.* 10: 481-532.
- TATUR, A. & MYRCHA, A. 1989. Soils and vegetation in abandoned penguin rookeries (maritime Antarctic). *Proc. NIPR Symp. Polar Biol.* 2: 181-189.
- TENNYSON, A.J.D. & MISKELLY, C.M. 1989. "Dark-faced" Rockhopper Penguins at the Snares Islands. *Notornis* 36: 183-189.
- THOMPSON, D.R. & FURNESS, R.W. 1989. Differences in the chemical form of mercury stored in South Atlantic seabirds. *Environ. Pollut.*
- THOMPSON, D.R. & FURNESS, R.W. 1989. Comparison of the levels of total and organic mercury in seabird feathers. *Mar. Pollut. Bull.* 20: 577-579.
- VAN FRANEKER, J.A. 1989. Ecology of Antarctic fulmarine petrels. *Circumpolar J.* 4(2/3): 85-89.
- WEIMERSKIRCH, H. & JOUVENTIN, P. 1989. La démographie des oiseaux et pinnipèdes des TAAF. *Actes du Colloque de sur la Recherche Françaises dans les Terres Australes, Strasbourg, 1987:* 95-106.
- WEIMERSKIRCH, H., LEQUETTE, B. & JOUVENTIN, P. 1989. Development and maturation of plumage in the Wandering Albatross *Diomedea exulans*. *J. Zool. Lond.* 219: 411-421.
- WEIMERSKIRCH, H., ZOTIER, R. & JOUVENTIN, P. 1989. The avifauna of the Kerguelen Islands. *Emu* 89: 15-29.
- WHITEHEAD, M.D. 1989. Maximum diving

- depths of the Adelie Penguin, *Pygoscelis adeliae* during the chick rearing period, in Prydz Bay, Antarctica. *Polar Biol.* 9: 329-332.
- WILLIAMS, G., GHEBREMESKEL, K., KEYMER, I.F. & HORSLEY, D.T. 1989. Plasma alpha-tocopherol, total lipids and total cholesterol in wild Rockhopper, Magellanic and Gentoo Penguins before and after moulting. *Veterinary Rec.* 124: 585-586.
- WILLIAMS, T.D. 1989. Aggression, incubation behaviour and egg-loss in Macaroni Penguins, *Eudyptes chrysolophus*, at South Georgia. *Oikos* 55: 19-22.
- WILSON, R.P. 1989. Diving depths of Gentoo *Pygoscelis papua* and Adélie Penguins *P. adeliae* at Esperanza Bay, Antarctic Peninsula. *Cormorant* 17: 1-8.
- WILSON, R.P., CORIA, N.R., SPAIRANI, H.J., ADELUNG, D. & CULIK, B. 1989. Human-induced behaviour in Adélie Penguins *Pygoscelis adeliae*. *Polar Biol.* 10: 77-80.
- WILSON, R.P., CULIK, B., CORIA, N.R., ADELUNG, D. & SPAIRANI, H.J. 1989. Foraging rhythms in Adélie Penguins (*Pygoscelis adeliae*) at Hope Bay, Antarctica; determination and control. *Polar Biol.* 10: 161-165.
- WILSON, R.P., NAGY, K.A. & OBST, B.S. 1989. Foraging ranges of penguins. *Polar Rec.* 25: 303-307.
- WOEHLER, E.J. 1989. Resightings and recoveries of banded seabirds at Heard Island, 1985-1988. *Corella* 13: 38-40.
- WOEHLER, E.J., JOHNSTONE, G.W. & BORTON, H.R. 1989. The distribution and abundance of Adélie Penguins, *Pygoscelis adeliae*, in the Mawson area and at the Rookery Islands (Specially Protected Area 2), 1981 and 1988. *ANARE Res. Notes* 71: 1-36.
- WOEHLER, E.J., TIERNEY, T.J. & BURTON, H.R. 1989. The distribution and abundance of Adélie Penguins, *Pygoscelis adeliae*, at the Vestfold Hills, 1973. *ANARE Res. Notes* 70: 1-41.
- ZDZITOWIECKI, K., NIEWIADOMSKA, K. & DRODZ, J. 1989. Trematodes of birds and

mammals in the environs of H. Arctowski Station (South Shetlands, Antarctic). *Acta Parasitol. Pol.* 34: 247-257.

#### REFERENCES NOT INCLUDED IN PREVIOUS BIBLIOGRAPHIES, 1984-1988

- AINLEY, D.G., FRASER, W.R. & DALY, K.L. 1988. Effects of pack ice on the composition of micronektonic communities in the Weddel Sea. In: SAHRHAGE, D. (Ed.). *Antarctic Ocean and resources variability*. Berlin: Springer-Verlag. pp. 140-146.
- BARRÉ, H. 1987. Contribution des études écophysiologiques chez l'oiseau aux problèmes du siège et des mécanismes de la thermogenèse sans frisson. *Bull. Soc. Ecophysiol.* 12: 17-20.
- BECH, C., MEHLUM, F. & HAFTORN, S. 1988. Development of chicks during extreme cold conditions: the Antarctic Petrel (*Thalassoica antarctica*). In: OUELLET, H. (Ed.). *Acta XIX Congressus Internationalis Ornithologici*. Vol. 2. Ottawa: National Museum of Natural Sciences and University of Ottawa Press. pp. 1447-1456.
- CHAPPELL, M.A., BUCHER, T.L. & MORGAN, K.R. 1988. Physiological ecology of Adélie Penguins and Blue-eyed Shags during the reproductive season. *Antarct. J.U.S.* 23(5): 144-145.
- CHEREL, Y., ROBIN, J.P. & LE MAHO, Y. 1988. Physiology and biochemistry of long-term fasting in birds. *Can. J. Zool.* 66: 159-166.
- DE KORTE, J. 1988. Vogels en zoogdieren. In: VAN BOHEMEN, H.D., BUIZER, D.A.G., GREMMEN, N.J.M., DE KORTE, J. & VAN OLPHEN, A.F. Nederlands wetenschappelijke South Georgia Expedite. *Circumpolar J.* 3(1/2): 22-36.
- GROSCOLAS, R., JALLAGEAS, M., LELOUP, J. & GOLDSMITH, A. 1988. Endocrine control of reproduction in male and female Emperor Penguins (*Aptenodytes forsteri*). In: OUELLET, H. (Ed.). *Acta XIX Congressus Internationalis Ornithologici*. Vol. 2. Ottawa:

- National Museum of Natural Sciences and University of Ottawa Press. pp. 1692-1701.
- KOOYMAN, G.L. 1988. Physiology of diving in Weddel Seals and Emperor Penguins. *Antarct. J.U.S.* 23(5): 145-146.
- RAKUSA-SUSZCZEWSKI, S. 1988 Differences in the hydrology, biomass and species distribution of plankton, fishes, and birds in the Bransfield Strait and the Drake Passage during FIBEX 1981 and SIBEX 1983/4. In: SAHRHAGE, D. (Ed.). Antarctic Ocean and resources variability. Berlin: Springer-Verlag. pp. 214-218.
- ROUNSEVELL, D.E. & HORNE, P.A. 1986. Terrestrial, parasitic and introduced invertebrates of the Vestfold Hills. In: PICKARD, J. (Ed.). Antarctic Oasis.

- Terrestrial environments and history of the Vestfold Hills. North Ryde: Academic Press Australia. pp. 309-331.
- VAN FRANEKER, J.A. 1986. Arctic and Antarctic seabird studies: fulmarine petrels. *Circumpolar J.* 1: 3-12.

#### REFERENCES

- ARNAUD, P., ARNAUD, F. & HUREAU, J.-C. 1967. Bibliographie générale de biologie antarctique et subantarctique (cétacés exceptés). Aves. *Com. Nat. Franc. Rech. Antarct.* 18: 126-145.
- ROBERTS, B. 1941. A bibliography of Antarctic ornithology. *Br. Graham Land Exped. 1934-1937 Sci. Rpt* 1(9): 337-367.