

British Antarctic Survey publications, published in 2000

Publications are listed by BAS programme

Antarctic Palaeoenvironmental Change Studies

Refereed research papers 2000 listed in ISI database

** = NERC employees who are not BAS staff

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= overseas collaborators

BARKER P.F. & LAWVER L.A.## 2000. Anomalous temperatures in central Scotia Sea sediments - bottom water variation or pore water circulation in old ocean crust. *Geophysical Research Letters*, **27**, No. 1, 13-16.

CANTRILL D.J. 2000. A new macroflora from the South Orkney Islands, Antarctica: evidence of an Early to Middle Jurassic age for the Powell Island Conglomerate. *Antarctic Science*, **12**, No. 2, 185-195.

CANTRILL D.J. 2000. A petrified cycad trunk from the Late Cretaceous of the Larsen Basin, Antarctica. *Alcheringa*, **24**, No. 3-4, 307-318.

CRAME J.A. 2000. Evolution of taxonomic diversity gradients in the marine realm: evidence from the composition of Recent bivalve faunas. *Paleobiology*, **26**, No. 2, 188-214.

CRAME J.A., ARNTZ W.E.## & THOMSON M.R.A. 2000. A Late Jurassic-Early Cretaceous belemnite dredged from the floor of the eastern Weddell Sea. *Antarctic Science*, **12**, No. 1, 117-118.

DARLING K.F.++, WADE C.M.++, STEWART I.A.++, KROON D.++, DINGLE R.V. & BROWN A.J.L.++ 2000. Molecular evidence for genetic mixing of Arctic and Antarctic subpolar populations of planktonic foraminifers. *Nature*, **405**, No. 6782, 43-47.

DINGLE R.V. & LAVELLE M. 2000. Antarctic Peninsula Late Cretaceous-Early Cenozoic palaeoenvironments and Gondwana palaeogeographies. *Journal of African Earth Sciences*, **31**, No. 1, 91-105.

FALCON-LANG H.J. 2000. A method to distinguish between woods produced by evergreen and deciduous coniferopsids on the basis of growth ring anatomy: A new palaeoecological tool. *Palaeontology*, **43**, No. 4, 785-793.

FALCON-LANG H.J. 2000. The relationship between leaf longevity and growth ring markedness in modern conifer woods and its implications for palaeoclimatic studies. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **160**, No. 3-4, 317-328.

FALCON-LANG H.J. & CANTRILL D.J. 2000. Cretaceous (Late Albian) coniferales of Alexander Island, Antarctica. 1: Wood taxonomy: a quantitative approach. *Review of Palaeobotany and Palynology*, **111**, No. 1-2, 1-17.

HATHWAY B. 2000. Continental rift to back-arc basin: Jurassic-Cretaceous stratigraphical and structural evolution of the Larsen Basin, Antarctic Peninsula. *Journal of the Geological Society*, **157**, Pt. 2, 417-432.

HATHWAY B. & KELLEY S.P.++ 2000. Sedimentary record of explosive silicic volcanism in a Cretaceous deep-marine conglomerate succession, northern Antarctic Peninsula. *Sedimentology*, **47**, 451-470.

JONKERS H.A. 2000. Gastropod predation patterns in Pliocene and Recent pectinid bivalves from Antarctica and New Zealand. *New Zealand Journal of Geology and Geophysics*, **43**, No. 2, 247-254.

McARTHUR J.M.++, CRAME J.A. & THIRLWALL M.F.++ 2000. Definition of Late Cretaceous stage boundaries in Antarctica using strontium isotope stratigraphy. *Journal of Geology*, **108**, No. 6, 623-640.

NÉRAUDEAU D.##, CRAME J.A. & KOOSER M.## 2000. Upper Cretaceous echinoids from James Ross Basin, Antarctica. *Geobios*, **33**, No. 4, 455-466.

POOLE I.++ 2000. Fossil angiosperm wood: its role in the reconstruction of biodiversity and palaeoenvironment. *Botanical Journal of the Linnean Society*, **134**, 361-381.

POOLE I.++ & FRANCIS J.E.++ 2000. The first record of fossil wood of Winteraceae from the Upper Cretaceous of Antarctica. *Annals of Botany*, **85**, No. 3, 307-315.

POOLE I.++, CANTRILL D.J., HAYES P.++ & FRANCIS J.++ 2000. The fossil record of Cunoniaceae: new evidence from Late Cretaceous wood of Antarctica? *Review of Palaeobotany and Palynology*, **111**, No. 1-2, 127-144.

POOLE I.++, GOTTWALD H.## & FRANCIS J.E.++ 2000. *Illicioxylon*, an element of Gondwanan polar forests? Late Cretaceous and Early Tertiary woods of Antarctica. *Annals of Botany*, **86**, 421-432.

PUDSEY C.J. 2000. Sedimentation on the continental rise west of the Antarctic Peninsula over the last three glacial cycles. *Marine Geology*, **167**, No. 3-4, 313-338.

Other refereed publications:

CANTRILL D.J. 2000. A Cretaceous (Aptian) flora from President Head, Snow Island, Antarctica. *Palaeontographica Abt. B*, **253**, No. 4-6, 153-191.

DINGLE R.V. 2000. Ostracoda from CRP-1 and CRP-2/2A, Victoria Land Basin, Antarctica. *Terra Antartica*, **7**, No. 4, 479-492.

FIELDING C.R., NAISH T.R., WOOLFE K.J. & LAVELLE M.A. 2000. Facies analysis and sequence stratigraphy of CRP-2/2A, Victoria Land Basin, Antarctica. *Terra Antartica*, **7**, No. 3, 323-338.

LAVELLE M. 2000. Strontium isotope stratigraphy and age model for CRP-2/2A, Victoria Land Basin, Antarctica. *Terra Antartica*, **7**, No. 4, 611-620.

POOLE I., RICHTER H.G. & FRANCIS J.E. 2000. Evidence for Gondwanan origins for *Sassafras* (Lauraceae)? Late Cretaceous fossil wood of Antarctica. *IAWA Journal*, **21**, No. 4, 463-475.

SMELLIE J.L. 2000. Erosional history of the Transantarctic Mountains deduced from sand grain detrital modes in CRP-2/2A, Victoria Land Basin, Antarctica. *Terra Antartica*, **7**, No. 4, 545-552.

TAVIANI M., BEU A.G. & JONKERS H.A. 2000. Macrofossils from CRP-2/2A, Victoria Land Basin, Antarctica. *Terra Antartica*, **7**, No. 4, 513-526.

WOOLFE K.J., STEWART L.K., FIELDING C.R. & LAVELLE M. 2000. Laser-derived particle size data from CRP-2/2A: implications for sequence and seismic stratigraphy. *Terra Antartica*, **7**, No. 3, 369-372.

Book chapters:

CRAME J.A. 2000. Intrinsic and extrinsic controls on the diversification of the Bivalvia. (In Culver, S.J. & Rawson, P.F., eds. Biotic response to global change: the last 145 million years. Cambridge, Cambridge University Press, 135-148.)

CRAME J.A. 2000. The nature and origin of taxonomic diversity gradients in marine bivalves. (In Harper, E.M., Taylor, J.D. & Crame, J.A., eds. The evolutionary biology of the Bivalvia. *Geological Society special publication*, no. 177. London, Geological Society, 347-360.)

HARPER E.M., TAYLOR J.R. & CRAME J.A. 2000. Unravelling the evolutionary history of the Bivalvia: a multidisciplinary approach. (In Harper, E.M., Taylor, J.D. & Crame, J.A., eds. The evolutionary biology of the Bivalvia. *Geological Society special publication*, no. 177. London, Geological Society, 1-9.)

SMELLIE J.L. 2000. Subglacial eruptions. (In Sigurdsson, H., ed. *Encyclopedia of volcanoes*. San Diego, Academic Press, 403-418.)

Books edited:

HARPER E.M., TAYLOR J.D. & CRAME J.A., *eds.* 2000. The evolutionary biology of the Bivalvia. *Geological Society special publication*, no. 177. London, Geological Society, 494pp.

Non-refereed publications:

BARKER P.F. 2000. Review of *Antarctic marine geology* by J.B. Anderson. Cambridge, Cambridge University Press, 1999. *Antarctic Science*, **12**, No. 2, 255-256.

SMELLIE J.L. 2000. When volcanoes erupt under ice. *NERC News*, Autumn 2000, 14-15.

Active Plate Margins

Refereed research papers 2000 listed in ISI database

** = NERC employees who are not BAS staff

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GERMAN C.R.** , **LIVERMORE R.A.**, BAKER E.T.##, **BRUGUIER N.I.**, CONNELLY D.P.** , **CUNNINGHAM A.P.**, **MORRIS P.**, ROUSE I.P.** , STATHAM P.J.** & TYLER P.A.** 2000. Hydrothermal plumes above the East Scotia Ridge: an isolated high-latitude back-arc spreading centre. *Earth and Planetary Science Letters*, **184**, No. 1, 241-250.

LEAT P.T., **LIVERMORE R.A.**, **MILLAR I.L.** & PEARCE J.A.++ 2000. Magma supply in back-arc spreading segment E2, East Scotia Ridge. *Journal of Petrology*, **41**, No. 6, 845-866.

LIVERMORE R.A., BALANYÁ J.C.##, MALDONADO A.## and 10 others [all overseas authors]. 2000. Autopsy on a dead spreading centre: the Phoenix Ridge, Drake Passage, Antarctica. *Geology*, **28** , No. 7, 607-610.

MALDONADO A.##, BALANYÁ J.C.##, BARNOLAS A.##, GALINDO-ZALDÍVAR J.##, HERNÁNDEZ J.##, JABALOY A.##, **LIVERMORE R.A.** and 7 others [all overseas authors]..2000. Tectonics of an extinct ridge-transform intersection, Drake Passage (Antarctica). *Marine Geophysical Researches*, **21**, 43-68.

NITSCHKE F.O.##, CUNNINGHAM A.P., LARTER R.D. & GOHL K.## 2000. Geometry and development of glacial continental margin depositional systems in the Bellingshausen Sea. *Marine Geology*, **162**, No. 2-4, 277-302.

PEARCE J.A.++, BARKER P.F., EDWARDS S.J.++, PARKINSON I.J.++ & LEAT P.T. 2000. Geochemistry and tectonic significance of peridotites from the South Sandwich arc-basin system, South Atlantic. *Contributions to Mineralogy and Petrology*, **139**, No. 1, 36-53.

Continental Break-up

Refereed research papers 2000 listed in ISI database

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BAILEY D.++, WHALER K.A.++, ZENGENI T.##, JONES P.C. & GWAVAVA O.## 2000. A magnetotelluric model of the Mana Pools basin, northern Zimbabwe. *Journal of Geophysical Research*, **105**, No. B5, 11,185-11,202.

FERRIS J.K., VAUGHAN A.P.M. & STOREY B.C. 2000. Relics of a complex triple junction in the Weddell Sea embayment, Antarctica. *Earth and Planetary Science Letters*, **178**, No. 3-4, 215-230.

LEAT P.T., RILEY T.R., STOREY B.C., KELLEY S.P.++ & MILLAR I.L. 2000. Middle Jurassic ultramafic lamprophyre dyke within the Ferrar magmatic province, Pensacola Mountains, Antarctica. *Mineralogical Magazine*, **64**, No. 1, 95-111.

MITCHELL N.C.++, LIVERMORE R.A., FABRETTI P.## & CARRARA G.## 2000. The Bouvet triple junction, 20 to 10 Ma, and extensive transtensional deformation adjacent to the Bouvet and Conrad transforms. *Journal of Geophysical Research*, **105**, No. B4, 8279-8296.

PANKHURST R.J., RILEY T.R., FANNING C.M.## & KELLEY S.P.++ 2000. Episodic silicic volcanism in Patagonia and the Antarctic Peninsula: chronology of magmatism associated with the break-up of Gondwana. *Journal of Petrology*, **41**, No. 5, 605-625.

RANDALL D.E., CURTIS M.L. & MILLAR I.L. 2000. A new late Middle Cambrian paleomagnetic pole for the Ellsworth Mountains, Antarctica. *Journal of Geology*, **108**, No. 4, 403-425.

VAUGHAN A.P.M. & STOREY B.C. 2000. The eastern Palmer Land shear zone: a new terrane accretion model for the Mesozoic development of the Antarctic Peninsula. *Journal of the Geological Society*, **157**, Pt. 6, 1243-1256.

Ecosystems and Environmental Change

Refereed research papers 2000 listed in ISI database

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BUTLER H.G., EDWORTHY M.G. & ELLIS-EVANS J.C. 2000. Temporal plankton dynamics in an oligotrophic maritime Antarctic lake. *Freshwater Biology*, **43**, 215-230.

CONVEY P., GREENSLADE P.## & PUGH P.J.A. 2000. The terrestrial microarthropod fauna of the South Sandwich Islands. *Journal of Natural History*, **34**, 597-609.

CONVEY P., SMITH R.I.L., HODGSON D.A. & PEAT H.J. 2000. The flora of the South Sandwich Islands, with particular reference to the influence of geothermal heating. *Journal of Biogeography*, **27**, 1279-1295.

CONVEY P., SMITH R.I.L., PEAT H.J. & PUGH P.J.A. 2000. The terrestrial biota of Charcot Island, eastern Bellingshausen Sea, Antarctica: an example of extreme isolation. *Antarctic Science*, **12**, No. 4, 406-413.

JONES V.J.++, HODGSON D.A. & CHEPSTOW-LUSTY A.++ 2000. Palaeolimnological evidence for marked Holocene environmental change on Signy Island, Antarctica. *Holocene*, **10**, No. 1, 43-60.

LAYBOURN-PARRY J.++, BELL E.M. & ROBERTS E.C. 2000. Protozoan growth rates in Antarctic lakes. *Polar Biology*, **23**, No. 7, 445-451.

MARSHALL D.J.## & PUGH P.J.A. 2000. Two new species of *Schusteria* (Acari: Oribatida: Ameronothroidea) from marine shores in southern Africa. *African Zoology*, **35**, No. 2, 201-205.

MATALONI G.##, TELL G.## & WYNN-WILLIAMS D.D. 2000. Structure and diversity of soil algal communities from Cierva Point (Antarctic Peninsula). *Polar Biology*, **23**, No. 3, 205-211.

PEARCE D.A. 2000. A method to study bacterioplankton community structure in Antarctic lakes. *Polar Biology*, **23**, No. 5, 352-356.

PUGH P.J.A. & CONVEY P. 2000. Scotia Arc Acari: antiquity and origin. *Zoological Journal of the Linnean Society*, **130**, 309-328.

ROBERTS E.C., LAYBOURN-PARRY J.++, McKNIGHT D.M.## & NOVARINO G.%% 2000. Stratification and dynamics of microbial loop communities in Lake Fryxell, Antarctica. *Freshwater Biology*, **44**, No. 4, 649-661.

SMITH R.I.L. 2000. I.M. Lamb's unpublished contribution to Antarctic lichenology. *Nova Hedwigia*, **70**, No. 3-4, 491-504.

WILSON W.H. , LANE D.** , PEARCE D.A. & ELLIS-EVANS J.C.** 2000. Transmission electron microscope analysis of virus-like particles in the freshwater lakes of Signy Island, Antarctica. *Polar Biology*, **23**, No. 9, 657-660.

Other refereed research papers

DOWNIE R.H., CONVEY P., McINNES S.J. & PUGH P.J.A. 2000. The non-marine invertebrate fauna of Deception Island (Maritime Antarctic): a baseline for a comprehensive biodiversity database. *Polar Record*, **36**, No. 199, 297-304.

OCHYRA R., BEDNAREK-OCHYRA H., ARTS T. & SMITH R.I.L. 2000. Occurrence of the neotropical moss *Dicranella hilariana* (Mont.) Mitt. in the Antarctic. *Tropical Bryology*, **18**, 153-160.

Book chapters

CONVEY P. 2000. Environmental change and Antarctic terrestrial life histories: fact and prediction. (In Davison, W., Howard-Williams, C. & Broady, P., eds. *Antarctic ecosystems: models for wider ecological understanding*. New Zealand Natural Sciences, Christchurch, 243- 251.)

MARCHANT H.J. & SMITH R.I.L. 2000. Long term change - introduction. (In Davison, W., Howard-Williams, C. & Broady, P., eds. *Antarctic ecosystems: models for wider ecological understanding*. New Zealand Natural Sciences, Christchurch, 241-242.)

SMITH R.I.L. 2000. Plant colonisation on a 45-year sequence of annual micromoraines on a South Georgia glacier foreland. (In Davison, W., Howard-Williams, C. & Broady, P., eds. *Antarctic ecosystems: models for wider ecological understanding*. New Zealand Natural Sciences, Christchurch, 225-232.)

SMITH R.I.L. 2000. Plants of extreme habitats in Antarctica. (In Shroeter, B., Schlenzog, M. & Green, T.G.A., eds. *New aspects in cryptogamic research. Bibliotheca lichenologica*, vol. 75. Berlin, Cramer, 405-419.)

Books written

OCHYRA R., BEDNAREK-OCHYRA H., VANA J. & SMITH R.I.L. 2000. *The liverwort flora of Antarctica*. Krakow, Academy of Sciences, 238pp.

Non-refereed publications

SMITH R.I.L. 2000. Review of *Flowering plants of the Falkland Islands* by R.W. Woods. London, Falklands Conservation, 2000. *Antarctic Science*, **12**, No. 4, 510.

Ecological and Physiological Adaptations

Refereed research papers 2000 listed in ISI database

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ANSELL A.D.%% & **PECK L.S.** 2000. Burrowing in the Antarctic anemone, *Halcampoides* sp., from Signy Island, Antarctica. *Journal of Experimental Marine Biology and Ecology*, **252**, No. 1, 45-55.

BOYCE S.J., MURRAY A.W.A. & PECK L.S. 2000. Digestion rate, gut passage time and absorption efficiency in the Antarctic spiny plunderfish. *Journal of Fish Biology*, **57**, No. 4, 908- 929.

CLARKE A. & LIDGARD S.M.## 2000. Spatial patterns of diversity in the sea: bryozoan species richness in the North Atlantic. *Journal of Animal Ecology*, **69**, 799-814.

DALY H.I. & PECK L.S. 2000. Energy balance and cold adaptation in the octopus *Pareledone charcoti*. *Journal of Experimental Marine Biology and Ecology*, **245**, No. 2, 197-214.

FALK-PETERSEN S.##, HAGEN W.##, KATTNER G.##, **CLARKE A.** & SARGENT J.R.++ 2000. Lipids, trophic relationships, and biodiversity in Arctic and Antarctic krill. *Canadian Journal of Fisheries and Aquatic Sciences*, **57**, Suppl. 3, 178-191.

GARNACHO E.++, **PECK L.S.** & TYLER P.A.++ 2000. Variations between winter and summer in the toxicity of copper to a population of the mysid *Praunus flexuosus*. *Marine Biology*, **137**, No. 4, 631-636.

SILVA J.R.M.C.## & **PECK L.S.** 2000. Induced in vitro phagocytosis of the Antarctic starfish *Odontaster validus* (Koehler, 1906) at 0°C. *Polar Biology*, **23**, No. 4, 225-230.

TYLER P.A.++, YOUNG C.M.## & CLARKE A. 2000. Temperature and pressure tolerances of embryos and larvae of the Antarctic sea urchin *Sterechinus neumayeri* (Echinodermata: Echinoidea): potential for deep-sea invasion from high latitudes. *Marine Ecology Progress Series*, **192**, 173-180.

VANHOVE S.##, BEGHYN M.##, VAN GANSBEKE D.##, BULLOUGH L.W. & VINCX M.## 2000. A seasonally varying biotope at Signy Island, Antarctic: implications for meiofaunal structure. *Marine Ecology Progress Series*, **202**, 13-25.

Book chapters

CHOWN S.L. & CLARKE A. 2000. Stress and the geographic distribution of marine and terrestrial animals. (In Storey, K.B. & Storey, J., eds. *Environmental stressors and gene responses*. Amsterdam, Elsevier, 41-54.)

HUISKES A.H.L. & CLARKE A. 2000. Large-scale patterns and processes - introduction. (In Davison, W., Howard-Williams, C. & Broady, P., eds. *Antarctic ecosystems: models for wider ecological understanding*. New Zealand Natural Sciences, Christchurch, 195-196.)

PECK L.S. & CONWAY L.Z. 2000. The myth of metabolic cold adaptation: oxygen consumption in stenothermal Antarctic bivalves. (In Harper, E.M., Taylor, J.D. & Crame, J.A., eds. *The evolutionary biology of the Bivalvia. Geological Society special publication*, no. 177. London, Geological Society, 441-450.)

SANDERSON W.G., THORPE J.P. & CLARKE A. 2000. Aspects of structure and function in the feeding of the Antarctic cheilostome bryozoan *Himantozoum antarcticum* (Calvet). (In Herrera Cubilla, A. & Jackson, J.B.C., eds. *Proceedings of the 11th International Bryozoology Association Conference, Panama, 1997*. Balboa, Panama, Smithsonian Tropical Research Institute, 355-364.)

Non-refereed publications

BROCKINGTON S. 2000. Cold water - hot science. *Ocean Challenge*, **10**, No. 2, 19-24.

CLARKE A. 2000. Review of *Cold-adapted organisms: ecology, physiology, enzymology and molecular biology*, edited by R. Margesin and F. Schinner. Springer-Verlag, 1999. *Trends in Ecology and Evolution*, **15**, No. 4, 172-173.

CLARKE A. 2000. Evolution in the cold. (Guest editorial). *Antarctic Science*, **12**, No. 3, 257.

Geospace Atmosphere Transfer Functions

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HAQUE R.## & ESPY P.J. 2000. Extraction of planetary wave information from signals collected by a Bomen interferometer. *Optical Engineering*, **39**, No. 6, 1527-1535.

RODGER A.S. & JARVIS M.J. 2000. Ionospheric research 50 years ago, today and tomorrow. *Journal of Atmospheric and Solar-Terrestrial Physics*, **62**, No. 17-18, 1629-1645.

Higher Predator Studies

Refereed research papers 2000 listed in ISI database

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= overseas collaborators

AGNEW D.J.++, BLACK A.D.++, CROXALL J.P. & PARKES G.B.## 2000. Experimental evaluation of the effectiveness of weighting regimes in reducing seabird by-catch in the longline toothfish fishery around South Georgia. *CCAMLR Science*, **7**, 119-131.

BERROW S.D. 2000. The use of acoustics to monitor burrow-nesting white-chinned petrels *Procellaria aequinoctialis* at Bird Island, South Georgia. *Polar Biology*, **23**, No. 8, 575-579.

BERROW S.D., CROXALL J.P. & GRANT S.D. 2000. Status of white-chinned petrels *Procellaria aequinoctialis* Linnaeus 1758, at Bird Island, South Georgia. *Antarctic Science*, **12**, No. 4, 399-405.

BERROW S.D., HUMPIDGE R. & CROXALL J.P. 2000. Influence of adult breeding experience on growth and provisioning of wandering albatross *Diomedea exulans* chicks at South Georgia. *Ibis*, **142**, No. 2, 199-207.

BERROW S.D., WOOD A.G. & PRINCE P.A. 2000. Foraging location and range of white-chinned petrels *Procellaria aequinoctialis* breeding in the South Atlantic. *Journal of Avian Biology*, **31**, No. 3, 303-311.

BOYD I.L. 2000. Skin temperatures during free-ranging swimming and diving in Antarctic fur seals. *Journal of Experimental Biology*, **203**, 1907-1914.

BOYD I.L. 2000. State-dependent fertility in pinnipeds: contrasting capital and income breeders. *Functional Ecology*, **14**, 623-630.

BROMAN T.##, BERGSTRÖM S.##, ON S.L.W.##, PALMGREN H.##, **McCAFFERTY D.J.**, SELLIN M.## & OLSEN B.## 2000. Isolation and characterization of *Campylobacter jejuni* subsp. *jejuni* from macaroni penguins (*Eudyptes chrysolophus*) in the subantarctic region. *Applied and Environmental Microbiology*, **66**, No. 1, 449-452.

GONZÁLEZ-SOLÍS J., CROXALL J.P. & WOOD A.G. 2000. Sexual dimorphism and sexual segregation in foraging strategies of northern giant petrels, *Macronectes halli*, during incubation. *Oikos*, **90**, No. 2, 390-398.

GONZÁLEZ-SOLÍS J., CROXALL J.P. & WOOD A.G. 2000. Foraging partitioning between giant petrels *Macronectes* spp. and its relationship with breeding population changes at Bird Island, South Georgia. *Marine Ecology Progress Series*, **204**, 279-288.

HAMER K.C.++, PHILLIPS R.A.%%, WANLESS S.***, HARRIS M.P.** & **WOOD A.G.** 2000. Foraging ranges, diets and feeding locations of gannets *Morus bassanus* in the North Sea: evidence from satellite telemetry. *Marine Ecology Progress Series*, **200**, 257-264.

HERRMANN B.##, RAHMAN R.##, BERGSTRÖM S.##, BONNEDAHL J.## & OLSEN B.## 2000. *Chlamydophila abortus* in a brown skua (*Catharacta antarctica lonnbergi*) from a subantarctic island. *Applied and Environmental Microbiology*, **66**, No. 8, 3654-3656.

HUIN N. & PRINCE P.A. 2000. Chick growth in albatrosses: curve fitting with a twist. *Journal of Avian Biology*, **31**, No. 3, 418-425.

HUIN N., PRINCE P.A. & BRIGGS D.R. 2000. Chick provisioning rates and growth in black-browed albatross *Diomedea melanophris* and grey-headed albatross *D. chrysostoma* at Bird Island, South Georgia. *Ibis*, **142**, No. 4, 550-565.

PALMGREN H.##, **McCAFFERTY D.**, ASPÁN A.##, BROMAN T.##, SELLIN M.##, WOLLIN R.##, BERGSTRÖM S.## & OLSEN B.## 2000. *Salmonella* in sub-Antarctica: low heterogeneity in *salmonella* serotypes in South Georgian seals and birds. *Epidemiology and Infection*, **125**, 257-262.

REID K., PRINCE P.A. & CROXALL J.P. 2000. Fly or die: the role of fat stores in the growth and development of grey-headed albatross *Diomedea chrysostoma* chicks. *Ibis*, **142**, No. 2, 188-198.

THOMSON R.B.##, BUTTERWORTH D.S.##, **BOYD I.L. & CROXALL J.P.** 2000. Modeling the consequences of Antarctic krill harvesting on Antarctic fur seals. *Ecological Applications*, **10**, No. 6, 1806-1819.

WAUGH S.M.##, WEIMERSKIRCH H.##, CHEREL Y.## & **PRINCE P.A.** 2000. Contrasting strategies of provisioning and chick growth in two sympatrically breeding albatrosses at Campbell Island, New Zealand. *Condor*, **102**, No. 4, 804-813.

WEIMERSKIRCH H.##, **PRINCE P.A.** & ZIMMERMANN L.## 2000. Chick provisioning by the yellow-nosed albatross *Diomedea chlororhynchos*: response of foraging effort to experimentally increased costs and demands. *Ibis*, **142**, No. 1, 103-110.

WOOD A.G., NAEF-DAENZER B.##, **PRINCE P.A. & CROXALL J.P.** 2000. Quantifying habitat use in satellite-tracked pelagic seabirds: application of kernel estimation to albatross locations. *Journal of Avian Biology*, **31**, No. 3, 278-286.

WYNEN L.P.##, GOLDSWORTHY S.D.##, GUINET C.##, BESTER M.N.##, **BOYD I.L.**, GJERTZ I.##, HOFMEYR G.J.G.##, WHITE R.W.G.## & SLADE R.## 2000. Postsealing genetic variation and population structure of two species of fur seal (*Arctocephalus gazella* and *A. tropicalis*). *Molecular Ecology*, **9**, 299-314.

Other refereed research papers

CROXALL J.P. & DAVIS L.S. 1999. Penguins: paradoxes and patterns. *Marine Ornithology*, **27**, 1-12. [Although dated 1999, actually published August 2000]

MILIUS N. 2000. The birds of Rothera, Adelaide Island, Antarctic Peninsula. *Marine Ornithology*, **28**, No. 1, 63-67.

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