

## BRITISH ANTARCTIC SURVEY

### Publications are listed by BAS programme

#### Refereed research papers 1997 listed in ISI database

++ =collaborators in UK universities

## = overseas collaborators

#### Ice, Climate and Global Change

BAIS A.F.##, BLUMTHALER M.##, WEBB A.R.++, GROEBNER J.##, **KIRSCH P.J.**, **GARDINER B.G.**, ZEREFOS C.S.##, SVENOE T.## & **MARTIN T.J.** 1997. Spectral UV measurements over Europe within the Second European Stratospheric Arctic and Midlatitude Experiment activities. *Journal of Geophysical Research*, **102**, No. D7, 8731-8736.

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**HINDMARSH R.C.A.** 1997. Normal modes of an ice sheet. *Journal of Fluid Mechanics*, **335**, 393-413.

**JENKINS A.**, **VAUGHAN D.G.**, **JACOBS S.S.##**, **HELLMER H.H.##** & **KEYS J.R.##** 1997. Glaciological and oceanographic evidence of high melt rates beneath Pine Island Glacier, West Antarctica. *Journal of Glaciology*, **43**, No. 143, 114-121.

**JOHNSON M.R.** & **SMITH A.M.** 1997. Seabed topography under the southern and western Ronne Ice Shelf, derived from seismic surveys. *Antarctic Science*, **9**, No. 2, 201-208.

JOUZEL J.##, ALLEY R.B.##, CUFFEY K.M.## and 10 others, including **D.A. PEEL**. [all of the collaborators are from overseas].1997. Validity of the temperature reconstruction from water isotopes in ice cores. *Journal of Geophysical Research*, **102**, No. C12, 26,471-26,487.

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**MARSHALL G.J. & TURNER J.** 1997. Katabatic wind propagation over the western Ross Sea observed using ERS-1 scatterometer data. *Antarctic Science*, **9**, No. 2, 221-226.

**MARSHALL G.J. & TURNER J.** 1997. The surface wind fields of Antarctic mesocyclones derived from ERS 1 scatterometer data. *Journal of Geophysical Research*, **102**, No. D12, 13,907-13,921.

**MINERS W.D., HILDEBRAND A.##, GERLAND S.##, BLINDOW N.##, STEINHAGE D.## & WOLFF E.W.** 1997. Forward modeling of the internal layers in radio echo sounding using electrical and density measurements from ice cores. *Journal of Physical Chemistry B*, **101**, No. 32, 6201-6204.

**MORRIS E.M., BADER H.-P.## & WEILENMANN P.##** 1997. Modelling temperature variations in polar snow using DAISY. *Journal of Glaciology*, **43**, No. 143, 180-191.

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**ALLCOCK A.L.++, BRIERLEY A.S., THORPE J.P.++ & RODHOUSE P.G.** 1997. Restricted gene flow and evolutionary divergence between geographically separated populations of the Antarctic octopus *Pareledone turqueti*. *Marine Biology*, **129**, 97-102.

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- GONZALEZ A.F., TRATHAN P.N., YAU C.## & RODHOUSE P.G.** 1997. Interactions between oceanography, ecology and fishery biology of the ommastrephid squid *Martialia hyadesi* in the South Atlantic. *Marine Ecology Progress Series*, **152**, No. 1-3, 205-215.
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