

British Antarctic Survey publications 2002

Publications are listed by programme

Q3 programmes

Signals in Antarctica of Past Global Changes

Refereed research papers 2002 listed in ISI database

** = NERC employees who are not BAS staff

++ = collaborators in UK universities

%% = collaborators in the UK non-university public sector

= overseas collaborators

BARNES P.R.F., MULVANEY R., ROBINSON K. & WOLFF E.W. 2002. Observations of polar ice from the Holocene and the glacial period using the scanning electron microscope. *Annals of Glaciology*, **35**, 559-566.

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MINERS W.D., WOLFF E.W., MOORE J.C.##, JACOBEL R.## & HEMPEL L.## 2002. Modeling the radio echo reflections inside the ice sheet at Summit, Greenland. *Journal of Geophysical Research*, **107**, No. B8, 10.1028/2001JB000535 (Paper EPM6 in this issue, 11p.)

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NOON P.E., LENG M.J.%%, ARROWSMITH C.%%, EDWORTHY M.G. & STRACHAN R.J. 2002. Seasonal observations of stable isotope variations in a valley catchment, Signy Island, South Orkney Islands. *Antarctic Science*, **14**, No. 4, 333-342.

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WOLFF E.W., **JONES A.E.**, MARTIN T.J.## & GRENFELL T.C.## 2002. Modelling photochemical NO_x production and nitrate loss in the upper snowpack of Antarctica. *Geophysical Research Letters*, **29**, No. 20, 1944, doi:10.1029/2002GL015823 (Paper 5 in this issue, 4p.)

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WOLFF E.W., BIGLER M.##, CASTELLANO E.## and 19 others. 2002. Extending the ice core record beyond half a million years. *Eos. Transactions, American Geophysical Union*, **83**, No. 45, 509, 517.

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MULVANEY R., BREMNER S., TAIT A. & AUDLEY N. 2002. A medium-depth ice core drill. (In Azuma, N. & Fujii, Y., eds. Ice drilling technology 2000. Proceedings of the Fifth International Workshop on Ice Drilling Technology. *Memoirs of National Institute of Polar Research special issue*, no. 56. Tokyo, National Institute of Polar Research, 82-90.)

Unrefereed papers

HODGSON D.A. 2002. Review of *The ecology of Cyanobacteria: their diversity in time and space* edited by B.A. Whitton and M. Potts. Dordrecht, Kluwer, 2000. *Journal of Paleolimnology*, **28**, No. 3, 383-384.

Global Interactions of the Antarctic Ice Sheet

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** = NERC employees who are not BAS staff
++ = collaborators in UK universities
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= overseas collaborators
\$\$ = collaborators in UK commercial sector

CORR H.F.J., JENKINS A., NICHOLLS K.W. & DOAKE C.S.M. 2002. Precise measurement of changes in ice-shelf thickness by phase-sensitive radar to determine basal melt rates. *Geophysical Research Letters*, **29**, No. 8, doi:10.1029/2001GL014618 (Paper 73 in this issue, 4p.)

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RIGNOT E.##, VAUGHAN D.G., SCHMELTZ M.##, DUPONT T.## & MacAYEAL D.R.## 2002. Acceleration of Pine Island and Thwaites Glaciers, West Antarctica. *Annals of Glaciology*, **34**, 189-194.

SMITH A.M., MURRAY T.++, DAVISON B.M.++, CLOUGH A.F.++, WOODWARD J.++ & JISKOOT H.++ 2002. Late surge glacial conditions on Bakaninbreen, Svalbard and implications for surge termination. *Journal of*

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VAUGHAN D.G. & SPOUGE J. 2002. Risk estimation of collapse of the West Antarctic ice sheet. *Climatic Change*, **52**, 65-91.

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SMELLIE J.L., LÓPEZ-MARTÍNEZ J. and 8 others. 2002. Geology and geomorphology of Deception Island. Text and geological and geomorphological maps. *BAS GEOMAP series*, Sheets 6-A and 6-B, Scale 1:25 000. Edited by J. López-Martínez, J.L. Smellie, J.W. Thomson and M.R.A. Thomson. Cambridge, British Antarctic Survey, 77p. + 3 folded maps.

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SMELLIE J.L. & MILLAR I.L. 2002. Geochemical and isotopic analyses of selected rocks from Deception Island. (In Smellie, J.L., López-Martínez, J. and others. Geology and geomorphology of Deception Island. *BAS Geomap Series*, Sheets 6A and 6B. Cambridge, British Antarctic Survey, 72-76.)

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Antarctic Climate Processes

Refereed research papers 2002 listed in ISI database

** = NERC employees who are not BAS staff

++ = collaborators in UK universities

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= overseas collaborators

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Magnetic Reconnection, Substorms and their Consequences

Refereed research papers 2002 listed in ISI database

** = NERC employees who are not BAS staff

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%% = collaborators in the UK non-university public sector

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NISHITANI N.##, OGAWA T.##, SATO N.##, YAMAGISHI H.##, PINNOCK M., VILLAIN J.-P.##, SOFKO G.## & TROSHICHEV O.## 2002. A study of the dusk convection cell's response to an IMF southward turning. *Journal of Geophysical Research*, **107**, No. A3, doi:10.1029/2001JA9000095. (Paper SMP 3 in this issue, 15p.)

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