



This issue contains the results of one of the largest single surveys of Antarctic waters. The region surveyed is one of the least known areas of the Southern Ocean. The survey was conducted primarily to conduct an acoustic survey of krill to provide a biomass estimate so that a precautionary catch limit could be set on the krill fishery in this area by the management body, The Commission for the Conservation of Antarctic Marine Living Resources. The second major aim of this survey was to examine the formation of Antarctic Bottom Water in this region. In addition, a range of research activities were conducted on the voyage which provide a comprehensive overview of the ecosystem of these waters during the austral summer of 1995/96 and of the physical factors that affect productivity at all trophic levels.

S. Nicol, T. Pauly, N.L. Bindoff and P.G. Strutton -- "BROKE" a biological/oceanographic survey off the coast of East Antarctica (80-150°E) carried out in January-March 1996 -- 2281-2297

Nathaniel L. Bindoff, Mark A. Rosenberg and Mark J. Warner -- On the circulation and water masses over the Antarctic continental slope and rise between 80 and 150°E -- 2299-2326

Peter G. Strutton, F. Brian Griffiths, Raechel L. Waters, Simon W. Wright and Nathaniel L. Bindoff -- Primary productivity off the coast of East Antarctica (80-150°E): January to March 1996 -- 2327-2362

Simon W. Wright and Rick L. van den Eenden -- Phytoplankton community structure and stocks in the East Antarctic marginal ice zone (BROKE survey, January-March 1996) determined by CHEMTAX analysis of HPLC pigment signatures -- 2363-2400

R.L. Waters, R. van den Eenden and H.J. Marchant -- Summer microbial ecology off East Antarctica (80-150°E): protistan community structure and bacterial abundance -- 2401-2435

G.W. Hosie, M.B. Schultz, J.A. Kitchener, T.G. Cochran and K. Richards -- Macrozooplankton community structure off East Antarctica (80-150°E) during the Austral summer of 1995/1996 -- 2437-2463

Tim Pauly, Stephen Nicol, Ian Higginbottom, Graham Hosie and John Kitchener -- Distribution and abundance of Antarctic krill (*Euphausia superba*) off East Antarctica (80-150°E) during the Austral summer of 1995/1996 -- 2465-2488

Stephen Nicol, John Kitchener, Rob King, Graham Hosie and William K. de la Mare -- Population structure and condition of Antarctic krill (*Euphausia superba*) off East Antarctica (80-150°E) during the Austral summer of 1995/1996 -- 2489-2517

R.J. Hoddell, A.C. Crossley, R. Williams and G.W. Hosie -- The distribution of Antarctic pelagic fish and larvae (CCAMLR division 58.4.1) -- 2519-2541

Deborah Thiele, Edwin T. Chester and Peter C. Gill -- Cetacean distribution off Eastern Antarctica (80-150°E) during the Austral summer of 1995/1996 -- 2543-2572

B.C. Wienecke et al. -- Adélie penguin foraging behaviour and krill abundance along the Wilkes and Adélie land coasts, Antarctica -- 2573-2587

S. Chiba et al. -- An overview of the biological/oceanographic survey by the RTV Umitaka-Maru III off Adélie Land, Antarctica in January-February 1996 -- 2589-2613