

BIOGRAPHICAL SKETCHES OF THE SENIOR AUTHORS OF MAJOR ARTICLES IN THIS ISSUE

Mr John Cooper: John is a SANAP Antarctic Research Officer at the Percy FitzPatrick Institute of African Ornithology, University of Cape Town. His research interests include the foraging ecology of seabirds and the conservation management of oceanic islands. He is editor of the journal *Marine Ornithology*, a member of the SANAP Biological Sciences Task Group, secretary of the SCAR Bird Biology Sub-Committee and member of the World Conservation Union's Commission on National Parks and Protected Areas (Antarctic Realm).

Prof Arthur Hughes: Arthur is Associate Professor and Programme Manager of Very Low Frequency Radio Research at the Space Physics Research Institute at the University of Natal, Durban. He is also a Fellow of the Royal Astronomical Society of the United Kingdom and a Member of the American Geophysical Union. Arthur's research interests include magnetospheric physics with particular emphasis on wave propagation and wave-particle interaction. He is measuring wave induced precipitation in Natal and Antarctica, and formerly worked on rocket/satellite projects in the UK, USA and Australia.

Prof Don Hunter: Now retired, Don was Professor of Geology at the University of Natal, Pietermaritzburg from 1974 until his retirement at the end of 1992. He served on both SASCAR and SACAR and was a member of the SCAR Working Group on Geology from 1976 to 1990. Don was involved in research on the geology of Dronning Maud Land from 1976 to 1990, particularly after SANAP acquired its two Puma helicopters in 1981.

Dr Hannes la Grange: A meteorologist by training, Hannes currently runs his own environmental and regional planning consultancy business. He was the only South African participant in the Commonwealth Trans-Antarctic Expedition of 1955-58 for which he was awarded the British Polar Medal and a medal from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns. He was leader of the first SANAE expedition in 1959-60 and the first winner of the South African Antarctic Association's Antarctic Medal in 1964.

Capt Bill Leith: Having trained in the South African Navy, Bill served as first officer on the *RSA*. He has been Master of the *mv SA Agulhas* since 1979 and is recognised as one of the world's most experienced Antarctic ice pilots. He has also made a significant contribution to the charting of the remote areas of the Southern Ocean through his collection of data for the General Bathymetric Chart of the Oceans. Bill is a well-known figure in South African shipping circles and the *SA Agulhas* has participated in a number of internationally coordinated rescues at sea under his command.

Dr Janette Lindesay: As Deputy Director and Senior Research Officer of the Climatology Research Group at the University of the Witwatersrand, Janette is an international authority on global climatic change and has received a number of gold medals for scholastic achievement at Wits. She is current holder of the Foundation for Research Development's President's Award, as well as being the country's leading expert on El Niño and its ef-

fect on the South African climate. Janette is one of three co-leaders of the international SAFARI project (the other leaders being from the USA and Germany) which involves over 150 scientists from 13 nations. She serves on the American Meteorological Society Committee on Southern Hemisphere Meteorology and Oceanography, the IGBP/IGAC BIBEX Committee and many local committees dealing with earth/atmospheric sciences. Janette has wide ranging research interests dealing with both global and local climatology and interannual variability.

Dr Mike Lucas: Mike is co-leader of the South African Antarctic Marine Ecosystem and Global Climate Change Programme and a Senior Research Officer in the Marine Biology Research Institute at the University of Cape Town. A past recipient of a Royal Society (UK) Junior Post-Doctoral Fellowship, he is a member of the SACAR Southern Oceans Task Group, the South African National JGOFS Committee and the international Southern Oceans JGOFS Planning Committee. Mike's research interests include nitrogen cycling in the Southern Ocean and the implications of new production for the atmospheric removal of CO₂.

Prof Johann Lutjeharms: A physical oceanographer of international repute, Johann currently occupies the Chair of Ocean Climatology at the University of Cape Town and is director of the Centre for Marine Studies. His research focusses on the large scale circulation patterns of the ocean and their impact on South Africa's climate. He serves on the SACAR Oceanographic Sciences Task Group, the WOCE Core II Working Group, SCAR Working Group 74 and has been a recipient of the Senior FRAM Fellowship from the National Environment Research Council (NERC) in the UK. Johann is Honorary Professor at the University of Utrecht and RAU, and is also Visiting Professor at the Universidad de Concepcion in Chile.

Mr Denzil Miller: A Specialist Scientist at the Sea Fisheries Research Institute, Denzil is researching various problems associated with estimating krill's potential yield and improving understanding of the species' aggregating behaviour. He is a member of the National Antarctic Management Committee, SACAR, the National Committee for SCAR and the SACAR Oceanographic Sciences Task Group. He has served as the South African representative at SC-CAMLR since 1984 and as Convener of the C-CAMLR Working Group on Krill since its inception in 1988. He is an active member of the C-CAMLR Working Groups on Fish Stock Assessment and for the CCAMLR Ecosystem Monitoring Programmes, as well as the SCAR Group of Specialists on Southern Ocean Ecology, the SCAR Data Advisory Working Group and the international Planning Committee for Southern Oceans GLOBEC. Denzil was awarded a fellowship by the Royal Society in London to undertake cooperative research on krill aggregation at the British Antarctic Survey in 1992.

Prof Malcolm Scourfield: As Professor of Experimental Physics, Malcolm is the Programme Director of the Magnetospheric Physics and Ozone Research Groups in the Space Physics

Research Institute at the University of Natal, Durban. He is a member of the SCAR Working Group on Atmospheric Sciences and his research interests focus on magnetospheric physics, particularly low light TV imaging of auroral optical emissions and the propagation of radio waves in both the Arctic and Antarctic. Since 1988, Malcolm has been involved in studies of stratospheric ozone using a variety of techniques.

Dr Vere Shannon: Vere is currently Director of the Sea Fisheries Research Institute. He is also chairman of the SACAR Oceanographic Sciences Task Group, serves on a number of national and international committees dealing with global climate change, was past Chairman of the Benguela Ecology Programme and is a member of SACAR. His work in the field of remote sensing of the ocean is world renowned and he was one of the first two recipients of the Gilchrist Medal for his services to South African marine science.

Prof Roy Siegfried: A Gilchrist Medal recipient in 1990, Roy is Director of the Percy FitzPatrick Institute of African Ornithology, a member of the Faculty of Science and a Fellow of the University of Cape Town. His involvement with Antarctic research has included co-editing the Proceedings of the Fourth SCAR Symposium on Antarctic Biology and co-authoring a popular, best seller book on Antarctica. He has been Chairman of the SACAR Oceanographic Sciences Task Group, a member of the Biological Sciences Task Group, a member of SACAR and of the National Committee for SCAR. He has also been past Chairman of the SCAR Subcommittee on Bird Biology. He is the South African representative on the SCAR Working Group in Biology.

Prof Valdon Smith: An Associate Professor in the Department of Botany and Genetics at the University of the Orange Free State, Valdon has worked on the flora of Marion Island since 1971. His major research interests focus on sub-Antarctic plant ecophysiology, bioenergetics and nutrient-cycling with a view to assessing the ecological consequences of global climate change. Valdon was also a member of SASCAR and currently serves on both the National Committee for SCAR and the SACAR Biological Sciences Task Group.

Ms Marijke Swierstra: Marijke served in the Washington and Los Angeles offices of the CSIR for 10 years before becoming the head of the South African ICSU Secretariat in 1989. She was also secretary for the South African National Committee for SCAR during the period 1990 to 1992. She is currently in the United States.

Comdt Gert Theron: As officer commanding 30 Squadron of the South African Air Force, Gert is a highly qualified helicopter pilot with considerable Antarctic experience. He is currently serving at the Central Flying School at Dunnottar.

Mr Dirk van Schalkwyk: Dirk joined the Antarctic Division in 1974, presently holds the position of Deputy Director and has headed the Sub-Directorate: Antarctica and Islands Management of the Department of Environment Affairs since 1985. He has undertaken nine relief visits to Antarctica, six to Marion Island and two to Gough Island. He has accredited 18 years of experience in the field of Antarctic logistics, operations, personnel matters, scientific coordination and international Antarctic affairs. He represents South Africa internationally in his capacity as

Manager of South Africa's National Antarctic Programme on the council of Managers of National Antarctic Programmes and is also South Africa's permanent representative at Antarctic Treaty Consultative Party Meetings. He is also a full member of the following committees: Interdepartmental Antarctic Committee (IAC), Antarctic Management Committee (AMC), SACAR, all four task groups of SACAR, SANAP Logistical Committee, and SANAP Ships Committee.

Adv John Viall: Recently retired, John was the Chief Legal Adviser for the Department of Foreign Affairs from 1971 until his retirement in 1991. He was South African Commissioner at C-CAMLR from 1986 to 1990 and served as head of the South African delegation to the Antarctic Treaty meetings from 1985 to 1989. He is a recognised expert in international law and played a major role in events leading to Namibian independence.