

**REPORT OF THE TWENTIETH MEETING
OF THE SCIENTIFIC COMMITTEE**
(Hobart, Australia, 22 to 26 October 2001)

OPENING OF THE MEETING

1.1 The Scientific Committee for the Conservation of Antarctic Marine Living Resources met under the Chairmanship of Dr R. Holt (USA) from 22 to 26 October 2001 at the Wrest Point Hotel, Hobart, Australia.

1.2 Representatives from the following Members attended the meeting: Argentina, Australia, Belgium, Brazil, Chile, European Community, France, Germany, India, Italy, Japan, Republic of Korea, Namibia, New Zealand, Norway, Poland, Russian Federation, South Africa, Spain, Sweden, Ukraine, United Kingdom of Great Britain and Northern Ireland, United States of America and Uruguay.

1.3 The Chair welcomed to the meeting observers from the People's Republic of China, Mauritius and the Seychelles, along with observers from ASOC, CCSBT, CEP, FAO, IUCN, IWC and SCAR, and encouraged them to participate in the meeting as appropriate.

1.4 The List of Participants is given in Annex 1. The List of Documents considered during the meeting is given in Annex 2.

1.5 The following rapporteurs were appointed to prepare the report of the Scientific Committee:

- Dr K. Sullivan (New Zealand) – Fishery Status and Trends;
- Dr P. Penhale (USA) – Species Monitored in the CCAMLR Ecosystem Monitoring Program;
- Prof. J.P. Croxall (UK) – Assessment of Incidental Mortality;
- Prof. C. Moreno (Chile) – Marine Mammal and Bird Populations;
- Dr S. Nicol (Australia) – Krill Resources;
- Dr G. Parkes (UK) and Mr C. Jones (USA) – Fish Resources;
- Dr E. Marschoff (Argentina) – Crab and Squid Resources;
- Dr A. Constable (Australia) – Ecosystem Monitoring and Management;
- Dr K.-H. Kock (Germany) – Management under Conditions of Uncertainty about Stock Size and Sustainable Yield;
- Dr D. Miller and Mr B. Watkins (South Africa) – New and Exploratory Fisheries;
- Prof. B. Fernholm (Sweden) – Cooperation with Other Organisations;
- Drs R. Hewitt (USA) and I. Everson (UK) – Revision of the Scientific Committee Agenda; and
- Dr D. Ramm (Secretariat) – all other matters.

Adoption of Agenda

1.6 The Provisional Agenda had been circulated prior to the meeting (SC-CAMLR-XX/1), and was adopted without change (Annex 3).

Report of the Chairman

Intersessional Meetings

1.7 Six CCAMLR meetings were held during the 2000/01 intersessional period:

- The International Coordination Subgroup held a three-day workshop in Seoul, Republic of Korea, in June 2001. The workshop was co-convened by Prof. S. Kim and Dr Y. Lee (Republic of Korea), and analysed data from five hydroacoustic surveys conducted in Subarea 48.1 from December 1999 to March 2000. These surveys had been conducted in conjunction with the CCAMLR-2000 Survey.
- A workshop to consider options for publishing a special issue of papers arising from the CCAMLR-2000 Survey was held in Cambridge, UK, from 30 May to 6 June 2001. It was convened by Dr J. Watkins (UK) and was attended by 15 participants.
- The seventh meeting of WG-EMM was held from 2 to 11 July in Fiskebäckskil, Sweden. It was convened by Dr Hewitt and was attended by 30 participants, representing 14 Members.
- A Workshop on Estimating Age in Patagonian Toothfish (*Dissostichus eleginoides*) was held from 23 to 27 July 2001 at the Centre for Quantitative Fisheries Ecology (CQFE), Old Dominion University, Norfolk, Virginia, USA. The workshop was convened by Dr Everson and was attended by 17 participants.
- The Workshop on Approaches to the Management of Icefish (WAMI) was held from 3 to 5 October in Hobart, immediately prior to the meeting of WG-FSA. This workshop was co-convened by Drs Parkes and Kock, and was attended by 15 participants.
- The meeting of WG-FSA was held from 8 to 19 October 2001 in Hobart prior to the Scientific Committee meeting. It was convened by Mr R. Williams (Australia). This meeting included a meeting of ad hoc WG-IMALF, convened by Prof. Croxall.

1.8 On behalf of the Scientific Committee, the Chair thanked the conveners for their significant contributions to the meetings. The report of WG-EMM is attached as Annex 4 and that of WG-FSA as Annex 5. Reports from WAMI and the Workshop on Estimating Age in Patagonian Toothfish are included in Annex 5.

Fisheries

1.9 CCAMLR Member countries actively participated in eight fisheries in the Convention Area during the 2000/01 season (1 December 2000 to 30 November 2001) under conservation measures in force:

- exploratory jig fishery for squid (*Martialia hyadesi*) in Subarea 48.3;
- exploratory longline fishery for toothfish (*Dissostichus* spp.) in Subarea 88.1;

- exploratory trawl fishery for spiny icefish (*Chaenodraco wilsoni*) in Division 58.4.2;
- longline and pot fishery for toothfish (*D. eleginoides*) in Subarea 48.3;
- trawl fishery for icefish (*Champscephalus gunnari*) in Division 58.5.2;
- trawl fishery for icefish (*C. gunnari*) in Subarea 48.3;
- trawl fishery for toothfish (*D. eleginoides*) in Division 58.5.2; and
- trawl fishery for krill (*Euphausia superba*) in Area 48.

Other fisheries for *D. eleginoides* had taken place within the EEZs of France in Subarea 58.6 and Division 58.5.1, and the EEZ of South Africa in Subareas 58.6 and 58.7.

1.10 Fourteen Members fished: Australia, Chile, France, Japan, Republic of Korea, New Zealand, Poland, Russia, South Africa, Spain, Ukraine, UK, USA and Uruguay. Details are reported in Sections 2 and 9.

CCAMLR Scheme of International Scientific Observation

1.11 Scientific observers conducted 60 trips on board fishing vessels, and provided complete coverage of longlining, potting and trawling for finfish and jigging for squid, and partial coverage of the krill fishery (SC-CAMLR-XX/BG/23). The Scientific Committee thanked all scientific observers for their great efforts during the past season, and for continuing to develop and improve the amount and quality of data collected (see Section 3).

Other Highlights

1.12 Representatives of the Scientific Committee attended various international meetings. Details are provided in Section 11.

1.13 *CCAMLR's Management of the Antarctic*, the synopsis of *Understanding CCAMLR's Approach to Management*, was published and distributed to Members in September 2001. The latest issue of *CCAMLR Science* (Volume 8) was made available at the meeting.