

c) serve as the basis for the identification and design of major Antarctic Experiments where and when feasible and necessary.

SCOR WORKING GROUP 35

ANNEX IX

Methods in Quantitative Ecology of Coral Reefs

Report by Chairman

SCOR WG35 held a field meeting at the Heron Island Research Station, Great Barrier Reef, immediately following the Second International Symposium on Coral Reefs held on board m. v. Marco Polo in June-July 1973. Some members of the field meeting left the Marco Polo at its final stop, at Heron Island, on 30 June. Others travelled to Heron Island from Brisbane on 2 July. Most members left Heron Island on 9 or 10 July, some a little later.

All members of WG35 were present for the meeting: these comprised

Dr D. R. Stoddart (Cambridge, England), Chairman
Dr R. E. Johannes (Georgia, USA)
Professor K. Jonishi (Kanazawa, Japan)
Dr Y. Loya (Tel-Aviv, Israel)
Dr M. Pichon (Marseille, France)
Dr G. Scheer (Darmstadt, Germany)
Dr F. H. Talbot (Sydney, Australia)

In addition the Group was joined by thirteen other scientists, at their own expense, specifically for the purpose of this meeting. This greatly broadened the scope of the fieldwork and discussion. The additional participants were:

Dr Nurit Gundermann, South Pacific Commission, New Caledonia
Dr P. Hutchings, Australian Museum, Sydney
Dr D. W. Kinsey, Mauri Bros. and Thompson, Sydney
Dr D. Kühlmann, Humboldt Universität, German Democratic Republic
Dr E. Lovell, University of Queensland, Brisbane
Dr J. Marsh, Marine Laboratory, University of Guam
Dr J. Porter, University of Michigan, USA
Mrs K. Porter, University of Michigan, USA
Dr B. Russel, Australian Museum, Sydney
Dr H. Schuhmacher, Ruhr Universität, Bochum, Germany
Dr B. Thomassin, Station marine d'Endoume, France
Mrs C. C. Wallace, Queensland Museum, Brisbane
Dr M. Wijsman-Best, Rijksmuseum, Leiden, Netherlands

The Group conducted fieldwork on the reefs of Heron Island and on other nearby reefs during the day, and held seminars and discussion meetings during the evenings. The fieldwork consisted of studying reef areas using alternative methodologies. In addition, several members were able to visit the field laboratory maintained by The Australian Museum on One Tree Island, and observe its reef, by invitation of the Director, Dr Talbot.

The meeting was immensely successful for all those who took part in it. It was aided by the opportunity to hold preliminary meetings on board the Marco Polo during the Symposium beforehand, but especially by having available the facilities of the Heron Island Research Station, made available by the Director, Dr K. Rohde, and also the assistance in organization of communications and supplies of Dr B. Russell of The Australian Museum. The Group wishes to thank the Heron Island Board, the Director of the Heron Island Research Station, and Dr Russell for this very great assistance which was much appreciated.

The purpose of the meeting was to plan the production of a Handbook of Coral Reef Research methods, and to investigate the relative efficiencies of different techniques and, in the Handbook, to make recommendations. In addition to those present at the meeting, a variety of other authors have been asked to contribute sections to the Handbook. This is under the general editorial direction of Dr Stoddart, with substantial delegation to Dr Johannes (on sections concerning energy and nutrient flux) and to Dr Talbot (in fish). Some sections of the Handbook are already written. Before the Heron Island meeting, discussions had taken place concerning publication. No final plans have been made, but the Group considered it necessary to ensure an appropriate outlet for a volume of this sort with the range of illustration in plates and figures likely to be required.

It is also proposed that work begin on a multilingual dictionary of reef terminology, to be produced by Dr Stoddart, Dr Pichon, and Dr Scheer (covering the English, French and German languages). It was felt that Russian should be added but that no contributor was immediately available. Dr Stoddart agreed to produce and circulate a draft of English terms during 1974.

It was agreed that once the Handbook had been produced the work of the Group had ended, and the Group should at that time be disbanded. The Reef Terminology project would presumably then be continued by the editors as a separate venture, unless SCOR wished to prolong the life of the Group for that purpose.

The Group therefore wishes to recommend that it continue in existence until its report is published, with the possibility of an extension to cover the completion of the terminology project. It is not envisaged that any further Group meetings will be required.

The members of the Group wish to thank SCOR for the financial support which made the Heron Island meeting possible.

ANNEX X

SCOR WORKING GROUP 40 - PALEO-OCEANOGRAPHY

Report of meeting Norwich, UK, 19-22 May 1973

WG 40 held its first meeting on 19-22 May, in Norwich, England, on the occasion of a conference on the paleoclimatology and paleo-oceanography of the last glaciation and subsequent times. Members present at the meeting of WG 40 were Imbrie, Lamb, Shackleton, Takanayagi and van Andel; absent were Seibold and Lisitzin. Drs Hays, Gates, Webb, van der Hammen and Collinson attended as observers.