



Carl-Gustaf Rossby
1898–1957



Professors (from left to right) George Philander, Princeton University, Princeton, USA; Brian Hoskins, University of Reading, Reading, England; Syukuro Manabe, Inst for Global Change Research, Tokyo, Japan; Henning Rodhe, Stockholm University, Sweden; Bert Bolin, Stockholm University, Sweden; Paul Crutzen, Max-Planck-Institut für Chemie, Mainz, Germany; James Holton, University of Washington, Seattle, USA; Isaac Held, Geophysical Fluids Dynamics Lab, Princeton University, Princeton, USA; Hilding Sundqvist, Stockholm University, Sweden, (chair of the organizing committee); missing is the invited speaker Lennart Bengtsson, Max-Planck-Institut für Meteorologie, Hamburg, Germany.

Preface

The Rossby-100 Symposium

An international Symposium was held 8–12 June 1998 in Stockholm, Sweden, to commemorate the 100th anniversary of the birth of Professor Carl-Gustaf Rossby. Although 41 years have passed since the sudden death of Professor Rossby, it is remarkable how his visionary scientific work and views have anticipated research directions that remain of vital importance today. This joint special issue of *Tellus A* and *B* comprises 10 invited review papers presented in plenary sessions at the Symposium. The first paper gives a historical review of Rossby's impact on the scientific society, and the remaining 9 papers are grouped under 3 main themes: *Geophysical fluid dynamics*, *Numerical modelling of weather and climate*, and *Global cycling of trace gases and aerosols*. Rossby gave important, lasting contributions in all 3 themes, and in the 2 last-mentioned disciplines, he was indeed a key person and a motivator.

Apart from the presentations of the keynote papers in plenary sessions, contributed papers were presented in 2 parallel sessions at the Symposium. These papers are invited for submission to *Tellus* for publication in a special issue to appear towards the end of 1999.

Rossby engaged himself extensively in the activities of the Swedish Geophysical Society, and initiated its journal *Tellus*, the first volume of which appeared in 1949. It is appropriate to note that the journal has developed and flourished during the 50 years since then, and that the present special issue is no. 1 of the 51st volume of *Tellus*.

The Rossby-100 Symposium was hosted by the Department of Meteorology, Stockholm University (MISU) and was also supported by the following institutions, organizations and corporations:

- The International Meteorological Institute in Stockholm (IMI)
- The Swedish Geophysical Society
- The Swedish Meteorological and Hydrological Institute (SMHI)
- The Swedish Natural Science Research Council (NFR)
- The Swedish National Committee for IGBP and WCRP
- The Wenner-Gren Center Foundation for Scientific Research
- The Foundation Henrik Granholms Stiftelse
- The Swedish Council for Planning and Coordination of Research (FRN)

Members of the Organizing Committee were Hilding Sundqvist (chair), Ulla Hammarstrand (executive organizer), Erland Källén, Harald Lejenäs, Peter Lundberg and Henning Rodhe, all at MISU, and Ray Bates, University of Copenhagen, Denmark, Sigbjørn Grønås, University of Bergen, Norway and Hannu Savijärvi, University of Helsinki, Finland.

Hilding Sundqvist