

FOREWORD

The Tenth International Radiocarbon Conference was held August 19-26, 1979 in Bern, Switzerland, and Heidelberg, West Germany. The Conference was beautifully organized by Drs Hans Oeschger of the University of Bern, and Karl Otto Münnich of the University of Heidelberg, and their many co-workers. The meeting was hosted jointly by the Physikalisches Institut der Universität Bern and the Institut für Umweltphysik der Universität Heidelberg. Approximately 165 scientists participated.

The major topics of the conference were natural and man-made ^{14}C variations, radiocarbon dating techniques, accelerator techniques, dating of various materials, dating of the Quaternary, soils and groundwater, calibration and data reporting, and the history of radiocarbon dating. The International Calibration Committee convened to establish an international cross-calibrated radiocarbon time-scale.

Invited lectures were given by Devendra Lal (Bern) and W S Broecker (Heidelberg). These papers appear at the beginning of each issue.

TWO RADIOCARBON issues, a Bern and a Heidelberg edition, constitute the Proceedings of the meeting. Ninety-four papers and two book reviews appear on these pages. The standard reviewing procedures of Radiocarbon were followed for the submitted papers; many reviewers were already selected at the conference.

The cooperation of the reviewers, listed on pages vii-xviii is greatly appreciated. Their fast response made the early publication of the proceedings possible. The emergency editorial assistance of Piet M Grootes is also much appreciated.

Space limitations, deadline pressures, and various other considerations resulted in the deletion or reduction of some discussions. The Resolutions adopted by the meeting are given in the Workshop reports, Heidelberg issue.

The next International Radiocarbon Conference is planned for June 20-26, 1982 in Seattle, Washington.

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