

Radiocarbon

Proceedings of the 12th International Radiocarbon Conference Trondheim, Norway, June 24–28, 1985

Radiocarbon, Volume 28, Number 2A & B, 1986 @ \$60.00

Please order from: Radiocarbon

Kline Geology Laboratory

Yale University PO Box 6666

New Haven, CT 06511

Number 2A contains papers presented at the conference. Topics include Accelerator Mass Spectrometric (AMS) Techniques, Natural Variations, The Carbon Cycle, Methods and Applications, Conventional Techniques, Anthropogenic Variations, Applications in Archaeology, and Reporting and Management of Data.

Number 2B is the special Calibration Issue which contains the latest calibration curves and tables derived from dendrochronological methods. The issue presents, for the first time, all of the most precise calibrations to date covering a time interval of up to 10,000 years. U S Bristlecone Pine chronologies are matched with those of Irish and German Oak and a calibration curve for marine samples is also presented. This issue is proving extremely important to archaeologists in calculating precise radiocarbon ages.

Both issues are available separately at \$30.00 each.

RADIOCARBON

Editor: MINZE STUIVER Managing Editor: RENEE S KRA Published by

THE AMERICAN JOURNAL OF SCIENCE

Editors: JOHN RODGERS, JOHN H OSTROM, ROBERT A BERNER, DANNY M RYE Managing Editor: MARIE C CASEY

Published three times a year, in Winter, Spring, and Summer, at Yale University, New Haven, Connecticut 06511

Subscription rate \$75.00 (for institutions), \$50.00 (for individuals), available only in whole volumes. The Proceedings of the Twelfth International Radiocarbon Conference, Vol 28, Nos. 2A and 2B, 1986 are \$60.00. No. 2B, the Special Calibration Issue, is available separately for \$30.00. The full subscription for 1986 which includes the Proceedings is \$80.00(institutions) and \$60.00 (individuals). The Proceedings of the Eleventh International Radiocarbon Conference, Vol 25, No. 2, 1983 are \$50.00, and the Proceedings of the Tenth International Radiocarbon Conference, Vol 22, Nos. 2 and 3, 1980 are \$60.00.

Back issues and price lists may be obtained from the office of RADIOCARBON.

All correspondence and manuscripts should be addressed to the Managing Editor, RADIOCARBON, Kline Geology Laboratory, Yale University, 210 Whitney Ave, PO Box 6666, New Haven, Connecticut 06511.

Reprints. The minimum reprint order for each article will be 50 copies without cover. No reprints will be furnished free of charge unless page charges are paid. The cost of additional copies will, of course, be greater if the article is accompanied by plates involving unusual expense. Copies will be furnished with a printed cover giving the title, author, volume, page, and year, when specially ordered.

Page charges. Each institution sponsoring research reported in a technical paper or a date list, will be asked to pay a charge of \$80.00 per printed page. Institutions or authors paying such charges will be entitled to 100 free reprints without covers. No charges will be made if the author indicates that his institution is unable to pay them, and payment of page charges on an article will not in any case be a condition for its acceptance.

Missing issues will be replaced without charge only if claim is made within three months (six months for India and Australia) after the publication date. Claim for missing issues will not be honored if absence results from failure by the subscriber to notify the Journal of an address change.

Illustrations should include explanation of symbols used. Copy that cannot be reproduced cannot be accepted; it should be capable of reduction to not more than 10 by 17.5, all lettering being at least 1/6 inch high after reduction. When necessary, one large map or table can be accepted, if it will not exceed 17.5 inches in width after reduction. Line drawings should be in black India ink on white drawing board, tracing cloth, or coordinate paper printed in blue and should be accompanied by clear ozalids or reduced photographs for use by the reviewers. Photographs should be positive prints. Photostatic and typewritten material cannot be accepted as copy for illustrations. *Plates* (photographs) and *figures* (line drawings) should each be numbered consecutively through each article, using arabic numerals. If two photographs form one plate, they are figures A and B of that plate. All measurements should be given in SI (metric units).

Citations. A number of radiocarbon dates appear in publications without laboratory citation or reference to published date lists. We ask that laboratories remind submitters and users of radiocarbon dates to include proper citation (laboratory number and date-list citation) in all publications in which radiocarbon dates appear.

Radiocarbon Measurements: Comprehensive Index, 1950-1965. This index covers all published ¹⁴C measurements through Volume 7 of RADIOCARBON, and incorporates revisions made by all laboratories. It is available to all subscribers to RADIOCARBON at \$20.00 US per

List of laboratories. The comprehensive list of laboratories at the end of each volume appears in the third number of each volume. Accelerator laboratories have been added to the list. Changes in names or addresses, additions, or deletions should be reported to the Managing Editor by May 1.

Annual Index. All dates appear in index form at the end of the third number of each volume. Authors of date lists are asked to supply indexed material of archaeologic samples only with their date lists.

CONTENTS

| Climatic Implications of Chenier Dates in Northern Australia | |
|---|-------|
| Brian G Lees and Annemarie Clements | 311 |
| 14C Traced in Kraków After the Chernobyl Accident Tadeusz Kuc | . 319 |
| 14C. Background Levels in an Accelerator Mass | |
| Spectrometry System | |
| J S, Vogel, D E Nelson, and J.R Southon | 323 |
| An Assessment of Laboratory Contamination at the Isotrace Radiocarbon Facility | |
| D M Gurfinkel | 335 |
| Measurement of Small Volume Oceanic ¹⁴ C Samples by Accelerator Mass Spectrometry | |
| P Schlosser, C Pfleiderer, Bernd Krömer, Ingeborg Levin, | |
| K Q Münnich, Georges Bonani, Martin Suter, and Willy Wölfli | 347 |
| DATE LISTS | |
| Sören Håkansson University of Lund Radiocarbon Dates XX | 353 |
| Cecilio González-Gómez, Purificacion Sánchez-Sánchez, and Elena Villafranca-Sánchez | |
| University of Granada Radiocarbon Dates IV | 381 |
| Heinz Felber | |
| Vienna Radium Institute Radiocarbon Dates XVI | 389 |
| Raymond L Steventon and John E Kutzbach | |
| University of Wisconsin Radiocarbon Dates XXIV, | 3.97 |
| NOTES AND COMMENT'S | |
| Radiocarbon Dates from Two Coastal Sites in the Manu'a Group, American Samoa | |
| T L Hunt and P V Kirch | 417 |
| LIST OF LABORATORIES | 421 |
| INDEX TO VOLUME 29 | 435 |

Lu

UGRA

VRI

WIS