

VOLUME 36 / NUMBER 2 / 1994

Radiocarbon

An International Journal of Cosmogenic Isotope Research



QC
798
.D3
R48
Sci
Current
Journal

Editor

AUSTIN LONG

Consulting Editor

A. J. T. JULL

Managing Editor

RENEE S. KRA

Assistant Editors

DAVID R. SEWELL

KIMBERLEY L. TANNER

Department of Geosciences
The University of Arizona
4717 East Ft. Lowell Road
Tucson, Arizona 85712 USA

ISSN: 0033-8222

RADIOCARBON

An International Journal of Cosmogenic Isotope Research

Editor: AUSTIN LONG

Consulting Editor: A. J. T. JULL

Managing Editor: RENEE S. KRA

Assistant Editors: DAVID R. SEWELL, KIMBERLEY L. TANNER

Published by

Department of Geosciences

The University of Arizona

Published three times a year at The University of Arizona, Tucson, AZ 85712 USA. © 1994 by the Department of Geosciences, The University of Arizona.

Subscription rate: \$105.00 (for institutions), \$73.50 (for individuals), \$36.75 (for students with proper identification). Foreign postage is extra. A complete price list, including Proceedings of International Conferences, appears in the back of this issue. Back issues may be obtained by contacting the *RADIOCARBON* office.

All correspondence and manuscripts should be addressed to the Managing Editor, *RADIOCARBON*, Department of Geosciences, The University of Arizona, 4717 East Ft. Lowell Road, Tucson, AZ 85712 USA. Tel: (602) 881-0857; Fax: (602) 881-0554. **Please note our e-mail addresses:**

BITNET: C14@ARIZVMS
INTERNET: c14@packrat.aml.arizona.edu
or rkra@packrat.aml.arizona.edu

Offprints. The minimum offprint order for each article will be 100 copies without covers. *No offprints will be furnished free of charge unless page charges are paid (see below).* Covers are also available.

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 offprints without covers. *No charges will be made if the author indicates that the author's institution is unable to pay, and payment of page charges for an article will, in no 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, New Zealand and Australia) after the publication date. Claims for missing issues will not be honored if non-delivery 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. Whenever possible, reduce figures for direct publication. 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. *Figures* (photographs and line drawings) should be numbered consecutively through each article, using Arabic numerals. Tables may be accepted as camera-ready copy.

Citations. A number of radiocarbon dates appear in publications without laboratory citation or reference to published date lists. We ask authors of research articles and date lists 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 at \$25.00 per copy.

List of laboratories. Our comprehensive list of laboratories is available upon request. We are expanding the list to include additional laboratories and scientific agencies with whom we have established contacts. The editors welcome information on these or other scientific organizations. We ask all laboratory directors to provide their laboratory code designation, as well as current telephone and fax numbers, and e-mail addresses. Changes in names or addresses, additions or deletions should be reported to the Managing Editor. Conventional and AMS laboratories are now arranged in alphabetical order by country and we include laboratories listed by code designation.

CONTENTS

FROM THE EDITORS – To Our Friends

| | |
|--|-----|
| <i>Austin Long, Renee S. Kra and A. J. T. Jull</i> | iii |
|--|-----|

ARTICLES

| | |
|---|-----|
| ¹⁴ C Age Corrections in Antarctic Lake Sediments Inferred from Geochemistry <i>Rolf Zale</i> | 173 |
| Radiocarbon Chronology of Late Glacial and Holocene Sedimentation and Water-level Changes in the Area of the Gościąg Lake Basin <i>Anna Pazdur, M. F. Pazdur, Tomasz Goslar, Bogumił Wicik and Maurice Arnold</i> | 187 |
| Radiocarbon and Uranium-Series Dating of the Plitvice Lakes Travertines <i>Dušan Srdoč, J. K. Osmond, Nada Horvatinčić, Adel A. Dabous and Bogomil Obelić</i> | 203 |
| Radiocarbon Calibration Curve Variations and Their Implications for the Interpretation of New Zealand Prehistory <i>B. G. McFadgen, F. B. Knox and T. R. L. Cole</i> | 221 |
| The Rapid Preparation of Seawater ΣCO ₂ for Radiocarbon Analysis at the National Ocean Sciences AMS Facility <i>A. P. McNichol, G. A. Jones, D. L. Hutton and A. R. Gagnon</i> | 237 |
| AMS ¹⁴ C Age Determinations of Tissue, Bone and Grass Samples from the Ötztal Ice Man <i>Georges Bonani, Susan D. Ivy, Irena Hajdas, Thomas R. Niklaus and Martin Suter</i> | 247 |

DATE LISTS

| | | |
|----|--|-----|
| CH | Physical Research Laboratory (Chemistry) Radiocarbon Date List I <i>Ravi Bhushan, Supriya Chakraborty and Seth Krishnaswami</i> | 251 |
| Gd | Gliwice Radiocarbon Dates XI <i>Mieczysław F. Pazdur, Romuald Awwsiuk, Tomasz Goslar, Anna Pazdur, Adam Walanus and Andrzej Zastawny</i> | 257 |
| Gd | Gliwice Radiocarbon Dates XII <i>Anna Pazdur, Mieczysław F. Pazdur and Andrzej Zastawny</i> | 281 |
| Z | Rudjer Bošković Institute Radiocarbon Measurements XIII <i>Bogomil Obelić, Nada Horvatinčić, Dušan Srdoč, Ines Krajcar Bronić, Adela Šlipečević and Sanja Grgić</i> | 303 |

| | |
|---------------------------|-----|
| RADIOCARBON UPDATES | 325 |
|---------------------------|-----|

