

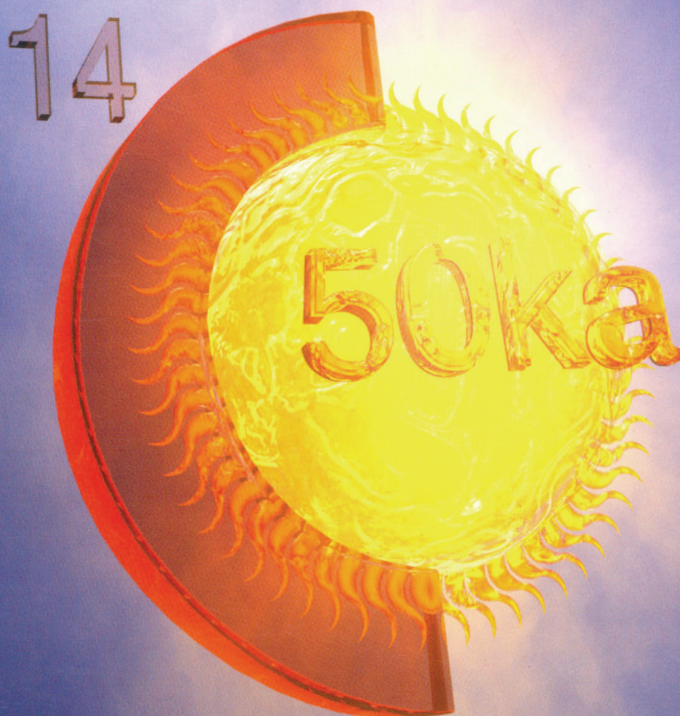
Radiocarbon

An International Journal of Cosmogenic Isotope Research

VOLUME 51 / NUMBER 4 / 2009

GOLDEN ANNIVERSARY
VOLUME:

Celebrating 50 years
of
Radiocarbon



INTCAL09: CALIBRATION ISSUE

Guest Editor: Paula J Reimer

<https://doi.org/10.1017/S0033822200034251> Published online by Cambridge University Press

RADIOCARBON

An International Journal of Cosmogenic Isotope Research

Editor: A J T JULL

Associate Editors: J WARREN BECK, GEORGE S BURR, AND GREGORY WL HODGINS

Managing Editor: MARK E MCCLURE

Published by
Department of Geosciences
The University of Arizona

Published three times a year at The University of Arizona, Tucson, AZ 85712-1201, USA.

© 2009 by the Arizona Board of Regents on behalf of the University of Arizona. All rights reserved.

Subscription rate (2009): \$210.00 (institutions), \$110.00 (individuals). Foreign postage is extra. A complete price list, including proceedings of international conferences, special publications and back issues, appears in the back pages of this issue. *Advertising rates* available upon request, or see www.radiocarbon.org/adrates.html.

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.

Authors: See our "Information for Authors" document at www.radiocarbon.org/Authors/ for guidelines on manuscript submission and format. All correspondence and manuscripts should be addressed to the Managing Editor, *RADIOCARBON*, Department of Geosciences, The University of Arizona, 4717 East Fort Lowell Road, Tucson, AZ 85712-1201 USA. Tel.: +1 520 881-0857; Fax: +1 520 881-0554; Email: editor@radiocarbon.org.

List of laboratories. Our comprehensive list of laboratories is published annually, and is also available at www.radiocarbon.org/Info/lablist.html. We ask all laboratory directors to provide their laboratory code designation, as well as current telephone and fax numbers, and email addresses. Changes in names or addresses, additions or deletions should be reported to the managing editor. Conventional and AMS laboratories are arranged in alphabetical order by country, and we include laboratories listed by code designation.

RADIOCARBON on the World Wide Web: <http://www.radiocarbon.org/>

Cover design: copyright ©2009 Edge of the Map, Inc., www.EdgeOfTheMapInc.com.

RADIOCARBON is indexed and/or abstracted by the following sources: *Anthropological Index; Anthropological Literature; Art and Archaeology Technical Abstracts; Bibliography and Index of Geology (GeoRef); British Archaeological Bibliography; Chemical Abstracts; Chemistry Citation Index; Current Advances in Ecological and Environmental Sciences; Current Contents (ISI); FRANCIS (Institut de l'Information Scientifique et Technique – CNRS); Geographical Abstracts; Geological Abstracts; Oceanographic Literature Review; Science Citation Index; Social Sciences Citation Index.*

INTCAL09

Radiocarbon, Vol 51, Nr 4, 2009

CONTENTS

EDITORIAL BOARD	iii
LETTER FROM THE GUEST EDITOR	v
ARTICLES	
IntCal09 and Marine09 Radiocarbon Age Calibration Curves, 0–50,000 Years cal BP <i>P J Reimer, M G L Baillie, E Bard, A Bayliss, J W Beck, P G Blackwell, C Bronk Ramsey, C E Buck, G S Burr, R L Edwards, M Friedrich, P M Grootes, T P Guilderson, I Hajdas, T J Heaton, A G Hogg, K A Hughen, K F Kaiser, B Kromer, F G McCormac, S W Manning, R W Reimer, D A Richards, J R Southon, S Talamo, C S M Turney, J van der Plicht, C E Weyhenmeyer</i>	1111
A Bayesian Approach to the Estimation of Radiocarbon Calibration Curves: The IntCal09 Methodology <i>T J Heaton, P G Blackwell, C E Buck</i>	1151
Bayesian Evaluation of the Southern Hemisphere Radiocarbon Offset during the Holocene <i>Alan Hogg, Christopher Bronk Ramsey, Chris Turney, Jonathan Palmer</i>	1165
Investigating the Interhemispheric ¹⁴ C Offset in the 1st Millennium AD and Assessment of Laboratory Bias and Calibration Errors <i>Alan Hogg, Jonathan Palmer, Gretel Boswijk, Paula Reimer, David Brown</i>	1177
LIST OF LABORATORIES	1187