

16TH INTERNATIONAL RADIOCARBON CONFERENCE

GRONINGEN, THE NETHERLANDS

16–20 JUNE 1997

The conference will focus on the natural and anthropogenic abundance and behavior of ^{14}C and related cosmogenic isotopes, and their impact on other fields of science. There will be no parallel sessions and ample time for poster presentations.

Participants must submit their abstracts by December 1996. Technical details will be given in an upcoming issue of *RADIOCARBON* and in the second circular to be distributed by September. A Scientific Advisory Committee will assist the organizers in program selection.

The conference will be held in the Conference Centre of Groningen, situated just outside the city center, along the main highways to the south and east and next to the main hotels. Also available are a limited number of cheaper hotels, which can be easily reached by a frequent bus service.

Groningen has a direct and frequent train connection to and from Schiphol, Amsterdam's international airport. Alternatively, a small commuter airline (Fairlines) runs five times a day between Eelde, the Groningen airport, and Amsterdam's Schiphol Airport.

The conference fee, including lunches and drinks and a copy of the proceedings, will be in the order of NLG. 500. Hotel prices range from NLG. 180 (single occupancy) and NLG. 120 (double occupancy) near the conference center to about NLG. 80 per person in the city.

Companions of the conference participants are invited to join a special sightseeing program. Midweek and some evenings there will be a social program for all participants.

The third and final circular will be mailed in December 1996.

The Organizing Committee:

Prof. W. G. Mook

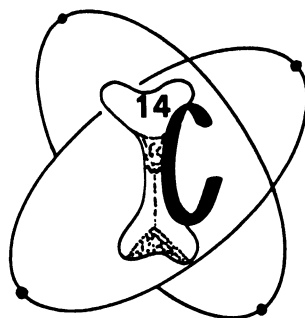
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3rd INTERNATIONAL SYMPOSIUM

¹⁴C and ARCHAEOLOGY

LYON, FRANCE

6–10 APRIL 1998

The 3rd International Symposium ¹⁴C and Archaeology will be held in Lyon, France, at Claude-Bernard University, from Monday, April 6, through Friday, April 10, 1998.

This conference is intended to allow archaeologists and ¹⁴C specialists to meet and interact. It is especially meant to draw up chronological syntheses based upon ¹⁴C dates, while also reviewing recent advances in radiocarbon technology.

The broad themes of the symposium are:

- ¹⁴C date series, archeological sites and cultures
- Chronology of transitional periods: Middle/Late Paleolithic, Neolithisation ...
- Use of the ¹⁴C method in the study of historical times, from Ancient Egypt to the 15th century
- Recent methodological advances: new dating materials, improvement in calibration, ¹⁴C dates and paleoenvironmental studies ...
- ¹⁴C dating contribution to specific archaeological problems: early human settlement in America and Oceania, preliminary chronological syntheses in Asia, dating of early metallurgy in Africa ...

There will be both poster and oral sessions, without parallel sessions. The symposium will be conducted in English and French with simultaneous translation.

Post-conference field trips to archaeological sites will be organized in the Rhône-Alpes area.

Organizing Committee: (Lyon, France)

Jacques EVIN and Christine OBERLIN (Centre de Datation par le RadioCarbone)
Olivier AURENCHÉ and Jean-François SALLES (Maison de l'Orient Méditerranéen)
Jean-Pierre DAUGAS and Michel PRESTREAU (Service Régional de l'Archéologie)

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For further information to be given in the first circular in June 1996, contact :

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14  **RADIOCARBON**
1996 PRICE LIST

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SUBSCRIPTION RATES VOLUME 38, Nos. 1–3, 1996

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NOTICE TO READERS AND CONTRIBUTORS

The purpose of *RADIOCARBON* is to publish technical and interpretive articles on all aspects of ^{14}C and other cosmogenic isotopes. In addition, we present regional compilations of published and unpublished dates along with interpretive text. Besides the triennial Proceedings of Radiocarbon Conferences, we publish Proceedings of conferences in related fields and Special Issues that focus on particular themes. Organizers interested in such arrangements should contact the Managing Editor for information.

Our regular issues include NOTES AND COMMENTS, LETTERS TO THE EDITOR, RADIOCARBON UPDATES and BOOK REVIEWS. Authors are invited to extend discussions or raise pertinent questions regarding the results of investigations that have appeared on our pages. These sections also include short technical notes to disseminate information concerning innovative sample preparation procedures. Laboratories may also seek assistance in technical aspects of radiocarbon dating. We include a list of laboratories and a general index for each volume.

Manuscripts. When submitting a manuscript, include three printed copies, double-spaced, and a floppy diskette, single-spaced. We will accept, in order of preference, FrameMaker, WordPerfect 6.0 or 5.1, Microsoft Word, Wordstar or any standard IBM word-processing software program on 3½" or 5¼" IBM disks, or high-density Macintosh diskettes. ASCII files are also acceptable. We also accept E-mail and ftp transmissions of manuscripts. Papers should follow the recommendations in INSTRUCTIONS TO AUTHORS (1994, Vol. 36, No. 1). Offprints of these guidelines are available upon request. Our deadlines for submitting manuscripts are:

<i>For</i>	<i>Date</i>
Vol. 39, No. 1, 1997	September 1, 1996
Vol. 39, No. 2, 1997	January 1, 1997
Vol. 39, No. 3, 1997	May 1, 1997

Half-life of ^{14}C . In accordance with the decision of the Fifth Radiocarbon Dating Conference, Cambridge, England, 1962, all dates published in this volume (as in previous volumes) are based on the Libby value, 5568 yr, for the half-life. This decision was reaffirmed at the 11th International Radiocarbon Conference in Seattle, Washington, 1982. Because of various uncertainties, when ^{14}C measurements are expressed as dates in years BP, the accuracy of the dates is limited, and refinements that take some but not all uncertainties into account may be misleading. The mean of three recent determinations of the half-life, 5730 ± 40 yr, (*Nature*, 1962, Vol. 195, No. 4845, p. 984), is regarded as the best value presently available. Published dates in years BP can be converted to this basis by multiplying them by 1.03.

AD/BC Dates. In accordance with the decision of the Ninth International Radiocarbon Conference, Los Angeles and San Diego, California, 1976, the designation of AD/BC, obtained by subtracting AD 1950 from conventional BP determinations is discontinued in *RADIOCARBON*. Authors or submitters may include calendar estimates as a comment, and report these estimates as cal AD/BC, citing the specific calibration curve used to obtain the estimate. Calibrated dates should be reported as "cal BP" or "cal AD/BC" according to the consensus of the Twelfth International Radiocarbon Conference, Trondheim, Norway, 1985.

Measuring ^{14}C . In Volume 3, 1961, we endorsed the notation Δ , (Lamont VIII, 1961), for geochemical measurements of ^{14}C activity, corrected for isotopic fractionation in samples and in the NBS oxalic-acid standard. The value of $\delta^{14}\text{C}$ that entered the calculation of Δ was defined by reference to Lamont VI, 1959, and was corrected for age. This fact has been lost sight of, by editors as well as by authors, and recent papers have used $\delta^{14}\text{C}$ as the observed deviation from the standard. At the New Zealand Radiocarbon Dating Conference it was recommended to use $\delta^{14}\text{C}$ only for age-corrected samples. Without an age correction, the value should then be reported as percent of modern relative to 0.95 NBS oxalic acid (Proceedings of the 8th Conference on Radiocarbon Dating, Wellington, New Zealand, 1972). The Ninth International Radiocarbon Conference, Los Angeles and San Diego, California, 1976, recommended that the reference standard, 0.95 NBS oxalic acid activity, be normalized to $\delta^{13}\text{C} = -19\text{‰}$.

In several fields, however, age corrections are not possible. $\delta^{14}\text{C}$ and Δ , uncorrected for age, have been used extensively in oceanography, and are an integral part of models and theories. Thus, for the present, we continue the editorial policy of using Δ notations for samples not corrected for age.

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