# ANTIQUITY

'Antiquity was founded in 1927 — by sheer merit it has . . . become the leading archaeological review — popular, authoritative, with a large and world-wide circulation.'



ANTIQUITY's 72 year-old reputation continues as the leading international journal of archaeological reporting and debate. The journal publishes interesting, topical and accessible articles for a wide audience. Read by students and amateurs, professors and professionals. Published four times a year, ANTIQUITY and its SUPPLEMENT keeps you up to date with all the latest information on conferences, books, and archaeological events.



Papers range in time focus from.

• Palaeolithic to present

on all parts of the world, reporting issues of interest and importance on:

- New methods & technologies
   New discoveries
  - Heritage Issues & Museums Theory & Ethics
- Management & Landscapes
   Civilizations & Sites

Reviews of all the latest books



Editor
Caroline Malone

Deputy Editor Simon Stoddart

Reviews Editor Nicholas James

Contact us on all editorial and advertising matters at: Antiquity Office, New Hall, Cambrid CB3 ODF

Tel: (44)-1223-762298; Fax: (44)-1223-357075 e-mail: catm20@cam.ac.uk

#### http://intarch.ac.uk/antiquity

1999/2000 subscription rates:	UK & Europe	USA & rest of the world	Euro rate	Air Mail surcharge
personal	£35	US\$66	€55	\$17/£10/€14
institutional	£65	US\$115	€110	\$20/£11/€15
& a reduced				3
*student rate:	£23	US\$44	€35	\$17/£10/€14
(*applicable for two years	after compl	etion of course)		3

Subscriptions Department, The Company of Biologists, Bidder Building, 140 Cowley Road, Cambridge CB4 4DL, England. Tel: (44) 1223-426164; Fax (44) 1223-423353



e-mail: sales@biologists.com



## Professional Analytical Services from:

# The Center for Applied Isotope Studies

### **University of Georgia**

14 C (13 C/12 C included)	RECOMMENDED QUANTITY: 1-5 g C for benzene LSC <1 g C for AMS	\$225 \$400
<sup>13</sup> C/ <sup>12</sup> C	20 mg organic matter or 100 mg carbonate	\$40
<sup>18</sup> O/ <sup>16</sup> O	2 ml H <sub>2</sub> O or 100 mg carbonate	\$50
D/H	2 ml H <sub>2</sub> O 20 mg organic matter	\$50 \$70
$^{15}N/^{14}N$	20 mg organic matter	\$50
<sup>3</sup> H LOW-LEVE	MDA to 20 pCi/L (7.5 TU)	\$125
<sup>3</sup> H ultra low-level	MDA to 2 pCi/L (0.7 TU) (with tritium enrichment)	\$225

Quantity or Combination Discounts and Priority Service Available

CAIS 120 Riverbend Road Athens, GA USA 30602-4702 (706) 542-1395 Fax (706) 542-6106 cais@arches.uga.edu

## Jerusalem 2000 ירושלים



# 17th International Radiocarbon Conference

It is our great pleasure to invite you to participate in the 17th International Radiocarbon Conference, scheduled for June 18–23, 2000, in Israel.

The Conference will be held at a beautiful location, in the rural setting of Kibbutz Ma'ale Hachamisha in the Judean Hills, just west of Jerusalem. The Kibbutz offers an attractive self-contained arrangement of excellent accommodation and conference facilities, which will enable a high degree of interaction between conference participants. The City of Jerusalem with its unique history and tourist attractions is a short drive away and is easily reached by bus or taxi.

The first <sup>14</sup>C Conference at the dawn of a new millennium will undoubtedly include exciting new scientific developments. Keeping the tradition of past Radiocarbon conferences, the scientific program will include a wide variety of topics. Sessions will be devoted to:

- Archaeology with a special session on <sup>14</sup>C data of historical periods in the Near East
- Calibration of the <sup>14</sup>C time scale
- · Sample treatment and measurement techniques
- Geophysics and Geochemistry of <sup>14</sup>C
- · Cosmogenic radionuclides
- · Environment past and present

- Global change
- Glaciology
- Hydrology
- Oceanography
- Geology
- Soils

Participants are welcome to indicate their preference for either oral or poster presentation of their papers. However, the final decision regarding form of presentation will be made by the Organizing Committee. Detailed information will be included in the Second Announcement.

The social program of the Conference will include an afternoon walking tour in the Old City of Jerusalem and a one-day tour in the unique Dead Sea area (lowest point on the earth's surface). A floating swim in the Dead Sea – which is seven times saltier than the ocean – is indeed a unique fun experience.

Sincerely, The Organizing Committee:

Israel Carmi, Chairperson, The Weizmann Institute of Science Elisabetta Boaretto, Secretary, The Weizmann Institute of Science Hendrik J. Bruins, Ben Gurion University of the Negev Michael Paul, Hebrew University of Jerusalem Dror Segal, Hebrew Antiquities Authority Yoseph Yechieli, Geological Survey of Israel

For further information, please see the Conference website:

http://www.radiocarbon.co.il/

Jerusalem 2000 ירושלים



## RADIOCARBON Back Issues Price Reduction—Save up to 87%

Selected copies just \$5 each. Conference proceedings \$10.

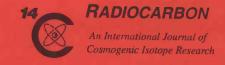
		Write in the number of copies desired for each issue					
YEAR	VOLUME	NR 1	NR 2	NR2A	NR 2B	NR 3	NR 4
1980	22		*			*	
1981	23						
1982	24						
1983	25		*				
1984	26						
1985	27						
1986	28						
1987	29						8
1988	30				BAR		
1989	31					*	
1990	32	St E		4			
1991	33	3			Bie!		
1992	34					H	

Payment & Shipping Address	☐ MasterCard☐ Check enclosed☐	☐ Please bill me
Name:		
Address:		
Fax:	E-mail:	
For Credit-Card Orders		
Card number:	Expiration date:	
Signature:	Phone:	

For online Contents see: http://www.radiocarbon.org/Pubs/contents.html

### Prices good while supplies last. Mail or fax this form to:

RADIOCARBON, 4717 East Fort Lowell Road, Room 104, Tucson, Arizona 85712-1201 USA Phone: +1 520 881-0857; Fax: +1 520 881-0554; orders@radiocarbon.org



Phone +1 520 881-0857 Fax: +1 520 881-0554 The University of Arizona Department of Geosciences 4717 E. Ft. Lowell Rd., Rm. 104 Tucson, AZ 85712-1201 USA

E-mail: orders@radiocarbon.org http://www.radiocarbon.org/

### 1999 PRICE LIST

Proceedings of the 16th International Radiocarbon Conference (Vol. 40, Nos. 1 and 2, 1998)	\$70.00*
INTCAL98 (1998 Calibration issue; Vol. 40, No. 3, 1998)	40.00
Proceedings of the 15th International Radiocarbon Conference (Vol. 37, No. 2, 19	
Liquid Scintillation Spectrometry 1994 (ISBN: 0-9638314-3-7; 1996)	20.00
<b>Liquid Scintillation Spectrometry 1992</b> (ISBN: 0-9638314-0-2; 1993) (ISBN: 0-9638314-0-2; 1993)	10.00
Special offer—LSC 92 and LSC 94 package—save \$5.00	25.00
Late Quaternary Chronology and Paleoclimates of the Eastern Mediterranean (ISBN: 0-9638314-1-0; 1994)	30.00
Tree Rings, Environment and Humanity (ISBN 0-9638314-2-9; 1996) (Proceedings of the International Tree-Ring Conference, Tucson, Arizona, 1994)	20.00
SUBSCRIPTION RATES VOLUME 41, Nos. 1-3, 1999	
Institution Individual	120.00 65.00
Lifetime Subscription—Institutional	2000.00
Lifetime Subscription—Individual	700.00
BACK ISSUES (except conference proceedings and special issues)	Single issue 40.00
VOLUMES 1–9 each volume	40.00
VOLUMES 10–21 each volume	65.00
VOLUMES 22–38 each volume	100.00
Radiocarbon Conference Proceedings	50.00
SPECIAL FULL-SET OFFER—Volumes 1–40 (1959–1998)	800.00
Big savings. Includes 11 out-of-print issues. Take \$50.00 off for each additional set	

#### POSTAGE AND HANDLING CHART

	U.S.	Foreign
Subscription		\$40.00
Book or Proceedings	\$2.75	\$5.00
Single back issue	\$1.25	\$2.00
Full set	\$35.00	\$75.00

Postage rates are for surface mail. Please contact us for airmail or express delivery rates.

Orders must be prepaid. We accept payments by Visa and MasterCard, or by check or money order payable in \$US to Radiocarbon.

<sup>\*</sup>Postage will be added; see above chart. Subscription rates and book prices are subject to change.

### The test of time

At the Rafter Radiocarbon Laboratory we have been successfully meeting the test of time for more than 45 years.

Athol Rafter established the laboratory in 1952. Today, using Accelerator Mass Spectrometry, we carry on the tradition of excellence that Athol Rafter began.

At Rafter we understand what our clients expect – accurate dating, at competitive rates and superior turnaround times and service.

Recent work undertaken by our team of multi-disciplinary scientists includes:

- · improving methods for contaminant removal in textile dating
- refining paleodietary studies
- improving techniques for pollen dating
- overcoming marine shell dating problems.

The Rafter Radiocarbon Laboratory has an international reputation for accurately dating a wide range of organic materials, sediments, textiles, bone, ivory, paper, wood, parchment, charcoal, shell, foraminifera and peat.

We also offer a wide range of archaeometric services that include stable isotope measurements ( $\partial^{13}C$ ,  $\partial^{15}N$ ,  $\partial^{18}O$ ), amino acid profiles, PIXE/PIGME, X-ray diffraction, petrology and palynology.

For accurate dating and analysis results that will stand the test of time, talk with Dr Rodger Sparks at the Rafter Radiocarbon Laboratory about your next project.



RADIOCARBON LABORATORY

Institute of Geological & Nuclear Sciences Limited PO Box 31 312, Lower Hutt, New Zealand Telephone: 64 4 570 4671, Facsimile: 64 4 570 4657 Email: n.sparks@gns.cri.nz http://www.gns.cri.nz/atom/rafter/rafter.htm



IGN 7484