

## LABORATORIES

- A**      **ARIZONA**  
Dr Austin Long  
Laboratory of Isotope Geochemistry  
Geosciences Department  
University of Arizona  
Tucson, Arizona 85721
- ALG**    **ALGIERS**  
Omar Rahmouni  
Bd Frantz Fanon  
BP 1147  
Algiers, Algeria
- ANL**    **ARGONNE NATIONAL LABORATORY**  
Mr James Gray, Jr  
Argonne National Laboratory  
9700 South Cass Avenue  
Argonne, Illinois 60439
- ANTW** **ANTWERP UNIVERSITY**  
Prof R Vanhoorne  
Dept of General Botany  
State University Centre Antwerp  
Groenenborgerlaan 171  
B-2020 Antwerp, Belgium
- ANU**    **AUSTRALIAN NATIONAL UNIVERSITY**  
Henry A Polach  
Radiocarbon Dating Research  
Australian National University  
PO Box 4, Canberra 2600  
Australia
- AU**      **UNIVERSITY OF ALASKA**  
William S Reeburgh and M Springer Young  
Institute of Marine Science  
University of Alaska  
Fairbanks, Alaska 99701
- B**        **BERN**  
Prof H Oeschger  
Physikalisches Institut  
Universität Bern  
Sidlerstrasse 5  
CH-3012 Bern, Switzerland
- Ba**      **BRATISLAVA**  
Prof S Usacev and Dr P Povinec  
Department of Nuclear Physics  
Comenius University  
Mlynská dolina F1  
816 31 Bratislava  
Czechoslovakia
- BC**      **BROOKLYN COLLEGE**  
Prof Evan T Williams  
Department of Chemistry  
Brooklyn College  
Brooklyn, New York 11210
- Birm**    **BIRMINGHAM**  
R E G Williams  
Department of Geological Sciences, PO Box 363  
University of Birmingham  
Birmingham B15 2TT, England

- Bln**    **BERLIN**  
Dr Günther Kohl  
Akademie der Wissenschaften der DDR  
Zentralinstitut für Alte Geschichte und Archäologie  
1199 Berlin, Rudower Chaussee 6  
German Democratic Republic
- BM**    **BRITISH MUSEUM**  
Richard Burleigh  
Research Laboratory  
The British Museum  
London WC1B 3DG, England
- BS**    **BIRBAL SAHNI INSTITUTE**  
Dr G Rajagopalan  
Radiocarbon Laboratory  
Birbal Sahni Institute Palcobotany  
Post Box 106  
Lucknow—226 007 India
- CRCA**    **CAIRO**  
Dr Shawki M Nakhla  
Cairo Carbon-14 Dating Laboratory  
Center of Research and Conservation of Antiquities  
Organization of Egyptian Antiquities  
Midan El Tahrir  
Cairo, Egypt
- CSM**    **COSMOCHEMISTRY LABORATORY**  
A K Lavrukhina and V A Alexeev  
VI Vernadsky Institute of  
Geochemistry and Analytical Chemistry  
USSR Academy of Sciences  
Moscow, USSR
- CU**    **CHARLES UNIVERSITY**  
Jan Šilar  
Department of Hydrogeology and Engineering Geology  
Charles University  
Albertov 6  
CS-128 43 Praha 2, Czechoslovakia
- D**    **DUBLIN**  
Prof G F Mitchell  
Department of Botany  
Trinity College  
Dublin, Ireland
- Dak**    **DAKAR**  
Dr Cheikh Anta Diop  
Directeur du Laboratoire de  
Radiocarbone IFAN  
Université de Dakar  
République du Sénégal
- DAL**    **DALHOUSIE UNIVERSITY**  
Prof J Gordon Ogden, III  
Department of Biology  
Dalhousie University  
Halifax, Nova Scotia, Canada B3H 3J5
- DE**    **UNITED STATES GEOLOGICAL SURVEY**  
Dr I C Yang  
U S Geological Survey WRD  
Box 25046, Mail Stop 407  
Denver Federal Center  
Denver, Colorado 80225

- Deb**    **DEBRECEN**  
Eva Csongor  
Institute of Nuclear Research  
Hungarian Academy of Sciences (ATOMKI)  
Bem tér 18/c, Pf 51  
Debrecen, Hungary
- DIC**    **DICARB RADIOISOTOPE COMPANY**  
DICARB Radioisotope Company  
Irene C Stehli  
16432 Stone Ridge Rd  
Chagrin Falls, Ohio 44022
- F**        **FLORENCE**  
Dr C M Azzi, L Bigliocca, and F Gulisano  
Radiocarbon Dating Laboratory  
Istituto di Antropologia  
Università di Firenze  
Via del Proconsolo 12  
50122, Florence, Italy
- Fr**        **FREIBERG**  
Dr Klaus Fröhlich  
Sektion Physik  
Bergakademie Freiberg  
DDR 92 Freiberg
- FZ**        **FORTALEZA**  
Prof M F Santiago  
Departamento de Física  
UFCE, Cx Postal 12 62  
60,000 Fortaleza/CE, Brazil
- GaK**    **GAKUSHUIN UNIVERSITY**  
Prof Kunihiro Kigoshi  
Gakushuin University  
Mejiro, Toshima-ku  
Tokyo, Japan
- Gd**        **GLIWICE**  
Mieczystaw F Pazdur and Andrzej Zastawny  
Radiocarbon Laboratory  
Silesian Technical University  
Institute of Physics, C-14 Laboratory  
ul Bolestawa Krzywoustego 2  
Pl-44-100 Gliwice, Poland
- Gif**    **GIF-SUR-YVETTE**  
Dr J Labeyrie or Mme G Delibrias  
Centre des Faibles Radioactivités  
Laboratoire mixte CNRS-CEA  
91190-Gif-sur-Yvette, France
- GrN**    **GRONINGEN**  
Prof W G Mook  
Isotopes Physics Laboratory  
University of Groningen  
Westersingel 34  
9718 CM Groningen, Netherlands
- GSC**    **OTTAWA**  
Mr J A Lowdon  
Radiocarbon Dating Laboratory  
Geological Survey of Canada  
601 Booth Street  
Ottawa, Ontario, Canada

- GU GLASGOW UNIVERSITY  
Dr M S Baxter  
Department of Chemistry  
The University  
Glasgow G12 8QQ, Scotland
- GX GEOCHRON LABORATORIES  
Harold W Krueger  
Division Krueger Enterprises, Inc  
24 Blackstone Street  
Cambridge, Mass 02139
- H HEIDELBERG  
Prof K O Münnich, D Berdau, and Marianne Münnich  
Institut für Umweltphysik  
Universität Heidelberg  
Im Neuenheimer Feld 366  
D-69 Heidelberg, West Germany
- HAM UNIVERSITY OF HAMBURG  
Prof Dr H W Scharpenseel and H Schiffmann  
Ordinariat für Bodenkunde  
University of Hamburg  
Von Melle Park 10  
D-2000 Hamburg 13  
West Germany
- HAR HARWELL  
R L Outlet  
Carbon-14/Tritium Measurements Laboratory  
Bldg 10.46 AERE, Harwell  
Oxfordshire  
OX11 0RA, England
- Hel HELSINKI  
Högne Jungner  
Radiocarbon Dating Laboratory  
University of Helsinki  
Snellmaninkatu 5  
SF-00170 Helsinki 17, Finland
- HIG HAWAII INSTITUTE OF GEOPHYSICS  
Robert W Buddemeier  
Hawaii Institute of Geophysics  
University of Hawaii  
2525 Correa Road  
Honolulu, Hawaii 96822
- Hv HANNOVER  
Dr M A Geyh  
Niedersächsisches Landesamt  
für Bodenforschung  
D-3000 Hannover-Buchholz, Postf 510153  
West Germany
- I TELEDYNE ISOTOPES  
James Buckley  
Teledyne Isotopes  
50 Van Buren Avenue  
Westwood, New Jersey 07675
- IRPA INSTITUT ROYAL DU PATRIMOINE ARTISTIQUE  
M Dauchot-Dehon, J Heylen, and M Van Strydonck  
Institut Royal du Patrimoine Artistique  
1 Parc du Cinquantenaire  
Brussels 4, Belgium

- ISGS ILLINOIS STATE GEOLOGICAL SURVEY  
Dr Dennis D Coleman and Chao-li Liu  
Section of Analytical Chemistry  
Illinois State Geological Survey  
Natural Resources Building  
Urbana, Illinois 61801
- K COPENHAGEN  
Dr Henrik Tauber  
Geological Survey of Denmark and National Museum  
DK-1220 Copenhagen K, Denmark
- KAERI KOREA ATOMIC ENERGY RESEARCH INSTITUTE  
Dr Kyung Rin Yang  
Radioanalytical Division  
Korea Atomic Energy Research Institute  
PO Box 7, Cheong Ryang  
Seoul, Korea
- KI KIEL  
Dr Horst Willkomm and Dr H Erlenkeuser  
Institut für Reine und Angewandte Kernphysik  
Universität Kiel  
Olshausenstrasse 40-60  
23 Kiel, Germany
- KN KÖLN  
Dr J C Freundlich  
Universität Köln, Institut für Ur-und Frühgeschichte  
C<sup>14</sup>-Laboratorium  
Köln-Lindenthal Weyertal 125, W Germany
- L LAMONT  
Dr. Tsung-Hung Peng  
Lamont-Doherty Geological Observatory  
of Columbia University  
Palisades, New York 10964
- LAR LIEGE STATE UNIVERSITY  
Prof Dr Jean Govaerts  
Lab d'application des radioéléments  
Chimie B6, Sart Tilman  
Liège, Belgium
- LE LENINGRAD  
Radiocarbon Laboratory  
Institute of Archaeology (Leningrad Section)  
Dvortsovaya Nab 18  
Leningrad 192041, USSR
- LJ UNIVERSITY OF CALIFORNIA, SAN DIEGO  
Prof H E Suess  
Mt Soledad Radiocarbon Laboratory S-003  
University of California, San Diego  
La Jolla, California 92093
- LP LA PLATA  
Prof Anibal Juan Figini  
Laboratorio de Tritio y Radiocarbono  
Facultad de Ciencias Naturales y Museo  
Paseo del Bosque  
1900 La Plata, Argentina
- Lu LUND  
Prof Björn Berglund and Mr Sören Håkansson  
Radiocarbon Dating Laboratory  
University of Lund  
Tunavägen 29  
S-223 63 Lund, Sweden

- Lv** LOUVAIN LA NEUVE  
Mr Etienne Gilot  
Laboratoire de Carbone 14  
Chemin du Cyclotron 2  
1348 Louvain la Neuve, Belgium
- Ly** UNIVERSITY OF LYON  
Mr Jacques Evin  
Laboratoire de Radiocarbone  
Centre de datations et d'Analyses Isotopiques  
Université Claude Bernard—Lyon I  
43, Boulevard du 11 Novembre 1918  
69621, Villeurbanne-Lyon France
- MC** MONACO  
Dr Jean Thommeret and Dr Y Thommeret  
Laboratoire de Radioactivité Appliquée  
Centre Scientifique de Monaco  
Avenue Saint Martin  
Monaco
- MGU** MOSCOW  
Prof P Kaplin and Dr A Schulkov  
Laboratory of Recent Deposits  
and Pleistocene Paleogeography  
Geographical Faculty  
Moscow State University  
Moscow 117219, USSR
- ML** MIAMI  
Dr H G Östlund  
Rosenstiel School of Marine and Atmospheric Science  
University of Miami  
Miami, Florida 33149
- Mo** VERNADSKI INSTITUTE OF GEOCHEMISTRY  
Vernadski Institute of Geochemistry  
Academy of Sciences of the USSR  
Moscow, USSR  
Address: Prof V L Barsukov  
Vorobeyskoye shosse,d47-A  
Moscow, USSR
- MOC** MOST  
E F Neustupny  
Archaeological Institute  
Czechoslovak Academy of Sciences  
Letenská 4  
Prague 1, Czechoslovakia 118 01
- MRRl** MARINE RESOURCES RESEARCH INSTITUTE  
Thomas D Mathews  
Marine Resources Research Institute  
P O Box 12559  
Charleston, South Carolina 29412
- N** NISHINA MEMORIAL (TOKYO)  
Dr Fumio Yamasaki  
The Japan Radioisotope Association  
2-28-45 Honkomagome, Bunkyo-ku, Tokyo  
Japan 113
- NSTF** NUCLEAR SCIENCE AND TECHNOLOGY FACILITY  
C C Thomas, Jr, Director Radiocarbon Laboratory  
Nuclear Science and Technology Facility  
State University of New York at Buffalo  
Rotary Road  
Buffalo, New York 14214

- NSW NEW SOUTH WALES  
D J Carswell, Assoc Prof or Mr V Djohadze  
Department of Nuclear and Radiation Chemistry  
University of New South Wales  
PO Box 1  
Kensington, New South Wales, 2033, Australia
- NTU NATIONAL TAIWAN UNIVERSITY  
Yuin-Chi Hsu  
Department of Physics  
National Taiwan University  
Taipei, Taiwan, China
- Ny NANCY  
Pr René Coppens et Dr Pierre Richard  
Laboratoire de Radiogéologie  
ENS de Géologie Appliquée et de Prospection Minière  
Institut National Polytechnique de Lorraine  
BP 452  
54001 Nancy Cedex, France
- NZ NEW ZEALAND  
Dr B J O'Brien  
Institute of Nuclear Sciences  
DSIR, Private Bag  
Lower Hutt, New Zealand
- P PENNSYLVANIA  
Dr Elizabeth K Ralph and Barbara Lawn  
Radiocarbon Laboratory  
University of Pennsylvania  
Department of Physics, DRL/E1  
Philadelphia, Pennsylvania 19104
- Pi PISA  
Prof E Tongiorgi  
Laboratorio di Geologia Nucleare dell'Università  
Via S Maria, 22  
Pisa, Italy
- Pr PRAGUE  
Alois Dubansky  
Laboratory for Isotopes  
Geochemistry and Geochronology  
Geological Institute  
Czechoslovak Academy of Sciences  
Prague-8  
Na Hrazi 26
- PRL PHYSICAL RESEARCH LABORATORY  
Devendra Lal and D P Agrawal  
Physical Research Laboratory  
Navrangpura  
Ahmedabad-380009, India
- Pta PRETORIA  
Dr J C Vogel  
Natural Isotopes Division  
National Physical Research Laboratory  
CSIR  
PO Box 395  
Pretoria, South Africa
- Q CAMBRIDGE  
Dr V R Switsur  
University of Cambridge  
Godwin Laboratory  
Free School Lane  
Cambridge, England CB2 3RS

- QC QUEENS COLLEGE  
Richard R Pardi  
Radiocarbon Laboratory  
Queens College, CUNY  
Flushing, New York 11367
- QL QUATERNARY ISOTOPE LABORATORY  
Prof Minze Stuiver  
Quaternary Isotope Laboratory AJ-20  
Department of Geological Sciences  
University of Washington  
Seattle, Washington 98195
- QU QUEBEC  
Dr Louis Barrette and Claude Samson  
Centre de Recherches Minérales  
Complexe Scientifique du Québec  
2700 rue Einstein  
Ste-Foy, Québec  
Canada, G1P 3W8
- R ROME  
Dr Francesco Bella, Istituto di Fisica  
and  
Dr Cesarina Cortesi, Istituto di Geochimica  
Radiocarbon Dating Laboratory  
University of Rome  
Città Universitaria  
00100-Rome, Italy
- RL RADIOCARBON, LTD  
Charles S Tucek  
Radiocarbon, Ltd  
Route 2, Box 21E  
Lampasas, Texas 76550
- RT REHOVOT GEOISOTOPE LABORATORY  
Dr Aaron Kaufman and Mr I Carmi  
Geoisotope Laboratory  
Department of Isotope Research  
Weizmann Institute of Science  
Rehovot, Israel
- RU RICE UNIVERSITY  
J A S Adams  
Department of Geology  
Rice University  
Houston, Texas 77001
- S SASKATCHEWAN  
Mr A Rutherford  
Saskatchewan Research Council  
University of Saskatchewan  
Saskatoon, Saskatchewan, Canada
- SI SMITHSONIAN INSTITUTION  
Dr W H Klein, Director  
Radiation Biology Laboratory  
Dr Robert Stuckenrath  
C<sup>14</sup> Laboratory  
12441 Parklawn Drive  
Rockville, Maryland 20852
- SMU SOUTHERN METHODIST UNIVERSITY  
Dr Herbert Haas  
Institute for the Study of Earth and Man  
Southern Methodist University  
Dallas, Texas 75275

- SRR** SCOTTISH UNIVERSITIES RESEARCH AND REACTOR CENTRE  
Dr D D Harkness  
NERC Radiocarbon Laboratory  
Scottish Universities Research and Reactor Centre  
East Kilbride  
Glasgow G75 0QU, Scotland
- St** STOCKHOLM  
Dr Eric Welin  
Laboratory for Isotope Geology  
Swedish Museum of Natural History  
S-104 05 Stockholm 50, Sweden
- Su** FINLAND  
Tuovi Kankainen  
Geological Survey of Finland  
SF-02150 Espoo 15, Finland
- SUA** SYDNEY UNIVERSITY, AUSTRALIA  
Assoc Prof R B Temple or Dr M Barbetti  
School of Chemistry  
The University of Sydney  
Sydney NSW 2006, Australia
- T** TRONDHEIM  
Dr Reidar Nydal, Steinar Gulliksen, and Knut Lövseth  
Radiological Dating Laboratory  
The Norwegian Institute of Technology  
7034 Trondheim, Norway
- TA** TARTU  
Evald Ilves and A Liiva  
Radiocarbon Laboratory  
Institute of Zoology and Botany  
Academy of Sciences of the Estonian SSR  
Vanemuise St 21  
Tartu, Estonia, USSR
- TAM** TEXAS A & M UNIVERSITY  
Dr David Schink  
Dept of Oceanography  
Texas A & M University  
College Station, Texas 77843
- TB** TBILISI  
Dr A A Burchuladze  
Radiocarbon Laboratory  
Tbilisi University  
1 Chavchavadze Avenue  
Tbilisi, USSR 380028
- TEM** TEMPLE UNIVERSITY  
Koneta L Eldridge  
Department of Geology  
Radiocarbon Dating Laboratory  
Temple University  
Philadelphia, Pennsylvania 19122
- TK** UNIVERSITY OF TOKYO  
Dr Naotune Watanabe  
C-14 Dating Laboratory  
University Museum (Shiryokan)  
University of Tokyo  
3-1 Hongo 7-chome  
Bunkyo-ku, Tokyo 113  
Japan

- Tln TALLINN  
J M Punning  
Institute of Geology  
Academy of Sciences of the Estonian SSR  
Tallinn, Estonia puiestee 7 ESSR
- TUNC TEHRAN UNIVERSITY NUCLEAR CENTRE  
Dr A Mahdavi  
Tehran University Nuclear Centre  
PO Box 2989  
Tehran, Iran
- Tx TEXAS  
Mr S Valastro, Jr or Dr E Mott Davis  
Radiocarbon Laboratory  
University of Texas at Austin  
Balcones Research Center  
10,100 Burnet Road  
Austin, Texas 78758
- U UPPSALA  
Dr Ingrid U Olsson  
Institute of Physics  
University of Uppsala  
Box 530  
S-751 21 Uppsala, Sweden
- UB BELFAST  
Gordon W Pearson  
Palaeoecology Laboratory  
The Queen's University  
Belfast, BT7 1NN  
Northern Ireland
- UCLA UNIVERSITY OF CALIFORNIA, LOS ANGELES  
Dr Rainer Berger  
Institute of Geophysics  
University of California  
Los Angeles, California 90024
- UCR UNIVERSITY OF CALIFORNIA, RIVERSIDE  
Dr R E Taylor  
Department of Anthropology  
Institute of Geophysics and Planetary Physics  
University of California  
Riverside, California 92512
- UGa THE UNIVERSITY OF GEORGIA  
John E Noakes and Betty Lee Brandau  
Center for Applied Isotope Studies  
The University of Georgia  
110 Riverbend Road  
Athens, Georgia 30602
- UM UNIVERSITY OF MIAMI  
Dr J J Stipp and Sharon Crabtree  
Radiocarbon Dating Laboratory  
Department of Geology  
University of Miami  
Coral Gables, Florida 33124
- USGS US GEOLOGICAL SURVEY  
MENLO PARK, CALIFORNIA  
Dr Stephen W Robinson  
US Geological Survey  
345 Middlefield Road  
Menlo Park, California 94025

- UW UNIVERSITY OF WASHINGTON  
Dr A W Fairhall  
Department of Chemistry  
University of Washington  
Seattle, Washington 98195
- VRI VIENNA RADIUM INSTITUTE  
Dr Heinz Felber  
Institut für Radiumforschung und Kernphysik  
Boltzmannngasse 3  
A-1090 Vienna, Austria
- W US GEOLOGICAL SURVEY  
Dr Meyer Rubin  
US Geological Survey  
National Center, 971  
Reston, Virginia 22092
- WIS WISCONSIN  
Dr Margaret Bender  
Radiocarbon Laboratory of the Center for Climatic Research  
Institute for Environmental Studies  
University of Wisconsin  
1225 W Dayton St  
Madison, Wisconsin 53706
- WRD US GEOLOGICAL SURVEY, WATER RESOURCES DIVISION  
Dr F J Pearson, Jr  
US Geological Survey, Water Resources Division  
Isotope Hydrology Laboratory  
National Center, MS 432  
Reston, Virginia 22092
- WSU WASHINGTON STATE UNIVERSITY  
Dr John C Sheppard  
Department of Chemical and Nuclear Engineering  
Washington State University  
Pullman, Washington 99164
- X WHITWORTH COLLEGE  
Dr Edwin A Olson  
Department of Earth Science  
Whitworth College  
Spokane, Washington 99218
- Ya YALE  
Prof Karl K Turekian  
Department of Geology and Geophysics  
Yale University  
New Haven, Connecticut 06520
- Z ZAGREB  
Dr Adela Sliepcevic and Dr Dušan Srdoc  
Institute "Ruder Boškovic"  
41001 Zagreb, POB 1016, Yugoslavia