

## RADIOCARBON LABORATORIES

This is *Radiocarbon's* annual list of active radiocarbon laboratories and personnel known to us. Conventional beta-counting facilities are listed in Part I, and accelerator mass spectrometry (AMS) facilities are listed in Part II. Laboratory code designations, used to identify published dates, are given to the left of the listing. (See p 1722 for a complete list of past and present lab codes.)

Please notify us of any changes in staff, addresses, or other contact information.

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<http://nosams.whoi.edu>

## LABORATORIES – CODE DESIGNATIONS\*

A	University of Arizona	USA	DK	Univ. de Dakar	Sénégal
AA	NSF-Ariz. AMS Facility	USA	DRI*	Desert Research Institute	USA
AAR	University of Aarhus	Denmark	DSA	CIRCE, Caserta	Italy
AC	Ingeis	Argentina	ENEA	ENEA, Bologna	Italy
AECV*	Alberta Environmental Center of Vegreville	Canada	Erl	Erlangen AMS Facility	Germany
AERIK*	Atomic Energy Res. Inst.	Korea	ETH	ETH/AMS Facility	Switzerland
ALG*	Algiers	Algeria	F*	Florence	Italy
ANL*	Argonne Nat. Lab.	USA	Fr*	Freiberg	Germany
ANSTO	Australian Nuclear Science & Technology	Australia	Fra*	Frankfurt	Germany
ANTW*	Antwerp	Belgium	FSU*	Florida State University	USA
ANU*	Australian National University	Australia	FZ	Fortaleza	Brazil
ANUA	ANU Accelerator	Australia	G*	Göteborg	Sweden
AU*	University of Alaska	USA	GAK*	Gakushuin University	Japan
B	Bern	Switzerland	Gd	Gliwice	Poland
Ba	Bratislava	Slovakia	GD*	Gdansk	Poland
BC*	Brooklyn College	USA	Gif	Gif-sur-Yvette	France
Beta	Beta Analytic	USA	Gif A*	Gif-sur-Yvette and Orsay	France
BGS*	Brock University	Canada	GIN	Geological Institute	Russia
BIOCAMS*	Miami	USA	GL*	Geochronological Lab.	England
Birm*	Birmingham	UK	Gro*	Groningen	the Netherlands
Bln	Berlin	Germany	GrN	Groningen	the Netherlands
BM*	British Museum	England	GrA	Groningen AMS	the Netherlands
BONN*	Universität Bonn	Germany	GSC	Geological Survey	Canada
BS	Birbal Sahni Institute	India	GU*	Scottish Universities Research & Reactor Centre	Scotland
C*	Chicago	USA	GX	Geochron Laboratories	USA
CAMS	Center for Accelerator Mass Spectrometry	USA	H*	Heidelberg	Germany
CAR*	Univ. College, Cardiff	Wales	HAM	Hamburg	Germany
CENA	Centro Energia Nuclear na Agricultura	Brazil	HAR*	Harwell	England
CG	Institute of Geology	China	Hd	Heidelberg	Germany
CH*	Chemistry Laboratory	India	Hel	Helsinki	Finland
CNA	Centro Nacional de Aceleradores	Spain	HIG*	Hawaii Inst. of Geophys.	USA
COL	Köln AMS	Germany	HL	Second Institute of Oceanography	China
CRCA*	Cairo	Egypt	HNS*	Hasleton-Nuclear, Palo Alto, California	USA
CRL	Czech Radiocarbon Laboratory	Czech Republic	Hv	Hannover	Germany
CSIC	Geochronology Lab, IQFR-CSIC, Madrid	Spain	I*	Teledyne Isotopes	USA
CSM*	Cosmochemistry Lab. USSR Academy of Sciences	USSR	IAA	Institute of Accelerator Analysis (beta counting)	Japan
CT*	Caltech, Calif. Inst. Tech.	USA	IAAA	Institute of Accelerator Analysis (AMS)	Japan
CU	Charles University	Czech Republic	IAEA	International Atomic Energy Agency	Austria
D*	Dublin, Trinity College	Ireland	IAEA-MEL	Marine Environmental Laboratory	Monaco
Dak*	Univ. of Dakar	Sénégal	ICEN*	Instituto Tecnológico e Nuclear	Portugal
DAL*	Dalhousie University	Canada	IEMAE	Institute of Evolutionary Morphology and Animal Ecology	Russia
DE*	USGS, Denver	USA	IFAO	Institut français d'archéologie orientale	Egypt
Deb	Debrecen	Hungary	IGAN	Institute of Geography	Russia
DEM	NCSR Demokritos	Greece	IGS*	Inst. of Geological Sci.	Sweden
DIC*	Dicar Corp and Dicarb Radioisotope Company	USA			

\* Indicates laboratories that are closed, no longer measuring  $^{14}\text{C}$ , or operating under a different code designation.

IGSB	Inst. of Geological Sci.	Belarus	MAG	Quaternary Geology and Geochronology Laboratory	Russia
IHME	Marzееv Inst. of Hygiene and Medical Ecology	Ukraine	MAMS	Curt-Engelhorn-Zentrum Archaeometrie	Germany
II*	Isotopes, Inc., Palo Alto	USA	MC*	Centre Scientifique de Monaco	Monaco
IMTA	Inst. Mexicano de Tecnologia del Agua	Mexico	METU	Middle East Technical University	Turkey
IOAN*	Inst. of Oceanography	Russia	ML*	Miami	USA
IORAN*	Institute of Oceanology	Russia	Mo*	Verdanski Inst. of Geochemistry, Moscow	USSR
IRPA	Royal Institute for Cultural Heritage	Belgium	MOC*	Archaeological Institute, Czechoslovak Acad. of Sci.	Czech Republic
ISGS	Illinois State Geological Survey	USA	MP*	Magnolia Petroleum	USA
IVAN*	Institute of Volcanology	Ukraine	MRR1*	Marine Resources Research Institute	USA
IVIC*	Caracas	Venezuela	MSU*	Moscow State University	Russia
IWP*	Institute of Water Problems	Russia	MTC	University of Tokyo	Japan
J	Max-Planck-Institut für Biogeochemie, Jena	Germany	N*	Nishina Memorial	Japan
JGS*	Geological Survey of Japan	Japan	NIST	National Institute of Standards and Technology	USA
JUBR	Biren Roy Research Laboratory	India	NPL*	National Physical Laboratory, Middlesex	England
K	National Museum	Denmark	NS*	Nova Scotia Research Foundation	Canada
KAERI*	Korean Atomic Energy Research Institute	Korea	NSRL	INSTAAR – University of Colorado	USA
KCP	National Cultural Property Research Institute	Korea	NSTF*	Nuclear Science and Technology Facility, State Univ. of New York	USA
KEEA	Kyushu Environmental Evaluation Association	Japan	NSW*	U. of New South Wales	Australia
KI	Kiel	Germany	NTU	National Taiwan University	Republic of China
KIA	Kiel AMS	Germany	NU	Nihon University	Japan
Ki (KIEV)	Institute of Radio-Geochemistry of the Environment	Ukraine	NUTA	Tandetron AMS Lab	Japan
KIK	Royal Institute for Cultural Heritage	Belgium	Ny*	Nancy, Centre de Recherches Radiogéologiques	France
KN*	Köln	Germany	NZ*	Rafter Radiocarbon Lab	New Zealand
KR	Krakow	Poland	NZA	Rafter (AMS)	New Zealand
KRIL*	Krasnoyarsk Institute	Russia	O*	Humble Oil & Refining	USA
KSU*	Kyoto Sangyo University	Japan	OB DY*	ORSTOM Bondy Research Center of Radioisotopes	France
L*	Lamont-Doherty	USA	OR		Japan
LAR*	Liège State University	Belgium	ORINS*	Oak Ridge Institute of Nuclear Studies	USA
LE	St. Petersburg	Russia	OWU*	Ohio Wesleyan Univ.	USA
LIH	NCSR Demokritos	Greece	OX*	USDA (Oxford, Miss.)	USA
LJ*	Scripps (UCSD) La Jolla	USA	OxA	Oxford Radiocarbon Accelerator Unit	England
LOD	Łódź	Poland	OZ	ANSTO-ANTARES	Australia
LP	La Plata	Argentina	P*	Univ. of Pennsylvania	USA
LTL	University of Lecce	Italy	PAL	Palynology Co.	Japan
Lu*	Lund	Sweden	Pi*	Pisa	Italy
LuS	Lund	Sweden	Pj*	Permafrost Institute	Russia
LU	St. Petersburg State University	Russia	PIC*	Packard	USA
Lv*	Louvain-la-Neuve	Belgium	PITT*	University of Pittsburgh	USA
Ly	University of Lyon	France	Poz	Poznań	Poland
LZ	Umweltforschungszentrum Leipzig-Halle	Germany	Pr*	Prague	Czech Republic
M*	University of Michigan	USA	PKU	Peking University	China
Ma*	University of Winnepeg	Canada	PKUAMS	Peking Univ. AMS lab	China

PL	Purdue Rare Isotope Measurement Laboratory	USA	TK	University of Tokyo	Japan
PLD	Paleo Labo. Co., Ltd.	Japan	TKa	Univ. of Tokyo-AMS	Japan
PRI	PaleoResearch Inst.	USA	TKU	Turku	Finland
PRL	Radiocarbon Dating Research Unit	India	Tln	Tallinn	Estonia
PRLCH	Physical Research Laboratory	India	TO	IsoTrace Laboratory	Canada
PSU*	Pennsylvania State Univ.	USA	TUNC*	Tehran University Nuclear Centre	Iran
Pta	Pretoria	South Africa	Tx*	Texas	USA
Q	Cambridge	England	U	Uppsala University	Sweden
QL*	Quaternary Isotope Laboratory	USA	Ua	Uppsala AMS	Sweden
QC*	Queens College	USA	UB*	Belfast	Northern Ireland
QU*	Centre de Recherches Minérales, Québec	Canada	UBA	Belfast	Northern Ireland
R	Rome	Italy	UBAR	University of Barcelona	Spain
RCD	Radiocarbon Dating	England	UCD	University College, Dublin	Ireland
RI*	Radiochemistry, Inc.	USA	UCI	University of California, Irvine	USA
RIDDL*	Simon Fraser Univ.	Canada	UCLA*	University of California, Los Angeles	USA
Riga	Institute of Science	Latvia	UCR*	University of California, Riverside	USA
RL*	Radiocarbon, Ltd.	USA	UD*	Udine	Italy
Rome	Dept. of Earth Sciences, Rome	Italy	UGa	University of Georgia	USA
RT	Rehovot	Israel	UGRA	University of Granada	Spain
RU*	Rice University	USA	UL	University of Laval	Canada
S*	Saskatchewan	Canada	UM*	University of Miami	USA
Sa*	Saclay, Gif-sur-Yvette	France	UNAM	National Autonomous University of Mexico	Mexico
Sac	Instituto Tecnológico e Nuclear	Portugal	UQ*	University of Quebec at Montréal	Canada
SacA	Gif sur Yvette (Saclay)	France	URCRM*	Ukrainian Research Ctr. for Radiation Medicine	Ukraine
SFU*	Simon Fraser Univ.	Canada	URU	University of Uruguay	Uruguay
Sh*	Shell Development Co.	USA	USGS*	USGS, Menlo Park	USA
SI*	Smithsonian Institution	USA	UtC	Utrecht van de Graaff Laboratorium	the Netherlands
SL*	Sharp Laboratories	USA	UTCAG	University of Tennessee	USA
SM*	Mobil Oil Corp., Dallas	USA	UW*	University of Washington	USA
SMU*	Southern Methodist Univ.	USA	V*	Melbourne, Victoria	Australia
SNU	Seoul National Univ.	Korea	VERA	Institut für Radiumforschung und Kernphysik	Austria
SOAN	Institute of Geology, Geophysics, and Mineralogy	Russia	VRI*	Universität Wien	Austria
SR*	Salisbury, Rhodesia	Rhodesia	W*	USGS, National Center	USA
SRR*	NERC Radiocarbon Laboratory	Scotland	WAT*	University of Waterloo	Canada
St*	Stockholm	Sweden	WHAMS	National Ocean Sciences AMS Facility	USA
Su*	Finland	Finland	WIS*	Univ. of Wisconsin	USA
SUA*	University of Sydney	Australia	Wk	University of Waikato	New Zealand
SUERC	Scottish Universities Environmental Research Centre	Scotland	WRD*	USGS Washington, D.C.	USA
SWA	Swansea	Wales	WSU*	Washington State Univ.	USA
T	Trondheim	Norway	XLLQ	Xi'an Lab. of China Loess and Quaternary Geology	China
Ta	Tartu	Estonia	X*	Whitworth College	USA
TAM*	Texas A & M University	USA	Y*	Yale University	USA
TB	Tblisi	Georgia	Ya*	Yale University	USA
TBNC*	Kaman Instruments	USA	YU	Yamagata University	Japan
TEM*	Temple University	USA	Z	Zagreb	Croatia
TF*	Tata Institute of Fundamental Research	India			