

## 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 in Part II. Laboratory code designations, used to identify published dates, are given to the left of the listing. (See p 1331 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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**LABORATORIES – CODE DESIGNATIONS\***

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

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

IVAN*	Institute of Volcanology	Ukraine	MSU	Moscow State University	Russia
IVIC*	Caracas	Venezuela	MTC	University of Tokyo	Japan
IWP*	Institute of Water Problems	Russia	N	Nishina Memorial	Japan
J	Max-Planck-Institut für Biogeochemie, Jena	Germany	NIST	National Institute of Standards and Technology	USA
JGS	Geological Survey of Japan	Japan	NPL*	National Physical Laboratory, Middlesex	England
JUBR	Biren Roy Research Laboratory	India	NS*	Nova Scotia Research Foundation	Canada
K	National Museum	Denmark	NSRL	INSTAAR – University of Colorado	USA
KAERI*	Korean Atomic Energy Research Institute	Korea	NSTF*	Nuclear Science and Technology Facility, State Univ. of New York	USA
KCP	National Cultural Property Research Institute	Korea	NSW*	U. of New South Wales	Australia
KEEA	Kyushu Environmental Evaluation Association	Japan	NTU	National Taiwan University	Republic of China
KI	Kiel	Germany	NU	Nihon University	Japan
KIA	Kiel AMS	Germany	NUTA	Tandetron AMS Lab	Japan
Ki (KIEV)	Institute of Radio-Geochemistry of the Environment	Ukraine	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	France
L*	Lamont-Doherty	USA	OR	Research Center of Radioisotopes	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	USA
LJ*	Scripps (UCSD) La Jolla	USA	OxA	Oxford Radiocarbon Accelerator Unit	England
LOD	Łódź	Poland	P*	Univ. of Pennsylvania	USA
LP	La Plata	Argentina	PAL	Palyonosurvey Co.	Japan
LTL	University of Lecce	Italy	Pj*	Pisa	Italy
Lu	Lund	Sweden	PI*	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	PL	Purdue Rare Isotope Measurement Laboratory	USA
MAG	Quaternary Geology and Geochronology Laboratory	Russia	PLD	Paleo Labo. Co., Ltd.	Japan
MC*	Centre Scientifique de Monaco	Monaco	PRL	Radiocarbon Dating Research Unit	India
METU	Middle East Technical University	Turkey	PRLCH	Physical Research Laboratory	India
ML*	Miami	USA	PSU*	Pennsylvania State Univ.	USA
Mo*	Verdanski Inst. of Geochemistry, Moscow	USSR	Pta	Pretoria	South Africa
MOC*	Archaeological Institute, Czechoslovak Acad. of Sci.	Czech Republic	Q	Cambridge	England
MP*	Magnolia Petroleum	USA	QL*	Quaternary Isotope Laboratory	USA
MRR1*	Marine Resources Research Institute	USA	QC*	Queens College	USA
			QU*	Centre de Recherches Minérales, Québec	Canada

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