

## 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 489 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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ALG*	Algiers	Algeria	FSU*	Florida State University	USA
ANL*	Argonne Nat. Lab.	USA	FZ	Fortaleza	Brazil
ANSTO	Australian Nuclear Science & Technology	Australia	G*	Göteborg	Sweden
ANTW*	Antwerp	Belgium	GAK*	Gakushuin University	Japan
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ANUA	ANU Accelerator	Australia	GD*	Gdansk	Poland
AU*	University of Alaska	USA	Gif	Gif sur Yvette	France
B	Bern	Switzerland	Gif A	Gif sur Yvette and Orsay	France
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Beta	Beta Analytic	USA	Gro*	Groningen	the Netherlands
BGS	Brock University	Canada	GrN	Groningen	the Netherlands
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BS	Birbal Sahni Institute	India	HAM	Hamburg	Germany
C*	Chicago	USA	HAR*	Harwell	England
CAMS	Center for Accelerator Mass Spectrometry	USA	Hd	Heidelberg	Germany
CAR*	Univ. College, Cardiff	Wales	Hel	Helsinki	Finland
CENA	Centro Energia Nuclear na Agricultura	Brazil	HIG*	Hawaii Inst. of Geophys.	USA
CG	Institute of Geology	China	HL	Second Institute of Oceanography	China
CH*	Chemistry Laboratory	India	HNS*	Hasleton-Nuclear, Palo Alto, California	USA
CRCA*	Cairo	Egypt	Hv	Hannover	Germany
CRL	Czech Radiocarbon Laboratory	Czech Republic	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	IHME	Marzeev Inst. of Hygiene and Medical Ecology	Ukraine
Deb	Debrecen	Hungary	II*	Isotopes, Inc., Palo Alto	USA
DEM	NCSR Demokritos	Greece	IOAN	Institute of Oceanography	Russia
DIC*	Dicar Corp and Dicarb Radioisotope Company	USA	IORAN*	Institute of Oceanology	Russia
DK	Univ. de Dakar	Sénégal			
DRI*	Desert Research Institute	USA			

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

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

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