ARCHAEOLOGIC SAMPLES

Date	Culture or Period	Sample No.	No.	Page
	AFRICA			
> 49,500	Middle Stone	KN-I-619	1	74
> 49,500	"	-620	"	73
> 49,500	"	-621	"	"
> 49,000	"	-615	"	"
> 48,500	"	-623	"	"
> 48,500	"	-618	"	"
> 48,500	"	-617	"	"
> 48,000	"	-616	"	"
> 47,500	"	-622	"	"
46,400 $^{+3500}_{-2500}$	"	-847	"	"
> 39,000	"	-626	"	75
36,000±1150	"	-629	"	74
33,500 ± 750	"	-628	"	"
33,370 ± 550	"	-869	"	73
32,700 ± 860	"	KN -2115	"	"
29,900±1600	"	KN-I-627	"	74
28,400 ± 450	"	KN- 2056	"	72
26,700 ± 650	"	KN-I-813	"	"
19,760 ± 175	Early Later Stone	-812	"	"
19,320 ± 320	"	-625	"	74
18,660 ± 210	"	KN -2057	"	72
14,550 ± 60	"	KN-I-613	"	"
13,690 ± 120	"	-612	"	"
13,470 ± 125	"	-811	"	"
13,030 ± 100	"	-614	"	"
10,420 ± 80	Later Stone	-611	"	"
9430 ± 90	"	-610	"	"
8230 ± 70	"	KN -2143	"	76
7560 ± 75	"	-2142	"	"
7200 ± 75	"	KN-I-867	"	72
6910 ± 45	"	-624	"	74
6200 ± 65	"	-609	"	72
5960 ± 60	"	KN-I-632	"	77
3450 ± 40	"	KN-I-468	"	80
3330 ± 55	"	-633	"	77
2940 ± 45	"	-460	"	78
2910 ± 45	"	-461	"	"
2840 ± 55	"	-730	"	79
2820 ± 55	"	-638	"	"
2190 ± 40	"	-732	"	78
2150 ± 60	"	-731	"	"
2090 ± 45	"	-639	"	79
2070 ± 90	"	-637	"	"
1930 ± 50	"	-465	"	77
1670 ± 55	"	-870	"	69
1460 ± 55	"	-846	"	"
910 ± 55	"	-635	"	80
860 ± 55	"	-636	"	79
490 ± 50	"	-631	"	77
490 ± 45	Proto-Historic	-608	"	69
420 ± 60	Later Stone	-467	"	77
370 ± 50	"	-469	"	80
250 ± 70	Proto-Historic	KN -2141	"	75
230 ± 50	Later Stone	KN-I-729	"	78
110 ± 60	Proto-Historic	-630B	"	75
40 ± 50	"	-728	"	"
40 ± 50	"	-634	"	76
60 ± 50	"	-630A	"	75
	AUSTRIA			
7000±130	Hallstatt	VRI-603	1	113
5140 ± 90	"	-577	"	"
2330 ± 80	"	-598	"	114
1740 ± 90	"	-596	"	113
1450 ± 70	"	-578	"	"
1430 ± 90	"	-579	"	"
< 200	"	-583	"	"
	DENMARK			
780±50	Historic	Lu-1607	4	1062
	ECUADOR			
9550±120	Vegas	TX-3316	4	1111
8250±120	"	-3413	"	"
8170± 70	"	-3315	"	"
7440±100	"	-3313	"	"
7150± 70	"	-3314	"	"
6750±150	"	-3318	"	
	EGYPT			
3480±55		LU-1504	4	1063
3466±55		-1505	"	"
2410±55		-1503	"	"

Date	Culture or Period	Sample No.	No.	Page
	FRANCE			
2190±270	Early Roman	NY-557	4	1065
2150±180	"	-671	"	"
1920±180	"	-672	"	"
1820± 80	"	-556	"	"
1760± 80	Historic	-552	"	1066
1690± 80	Early Roman	-555	"	1065
1320± 90	Historic	-646	"	1066
1030± 90	"	-696	"	1065
980± 80	"	-635	"	1066
970± 80	"	-634	"	1065
840±110	"	-693	"	"
730±100	"	-695	"	"
730±120	Early Roman	-557	"	"
710± 80	Historic	-669	"	1064
570± 80	"	-547	"	"
340±110	"	-547	"	1065
320± 80	"	-548	"	1064
	GREECE			
7490±150	Sesklo	LJ-4449	4	1040
	HUNGARY			
3260±140	15th-18th C BC	LJ-4376	4	1037
3040±140	15th-17th C BC	-4377	"	"
3030±110	12th-16th C BC	-4379	"	1038
3030±110	"	-4382	"	"
1980±100	1st C AD-4th C BC	-4378	"	"
840±130	13th-10th C AD	-4380	"	"
700±130	15th-11th C AD	-4381	"	"
	INDIA			
740,000		BS-79	1	59
34,670±710	Upper Paleolithic	-78	"	58
3355±105	Early Jorwe	-103	"	59
3255±120	Neolithic	-98	"	58
2495±105	Megalithic	-94	"	"
2455±100	"	-92	"	"
2210±100	Historic	-119	"	"
2130±105	N.Black Polished Ware	-70	"	57
2065±120	"	-66	"	"
2045± 90	Megalithic	-97	"	58
1975±110	N.Black Polished Ware	-69	"	57
1965± 90	Historic	-117	"	58
1940±110	"	-68	"	"
1920±110	"	-67	"	57
1910± 95	"	-118	"	58
1350± 95	"	-113	"	59
	IRAN			
2920±20	Iron	VRI-479	1	114
2640±80	"	-480	"	"
	IRAQ			
< 200		VRI-632	1	114
	IRELAND			
2960±110	Bronze	D-132	4	1028
2860±110	Late Bronze	-134	"	"
2810±110	"	-133	"	"
2490±120	Bronze	-135	"	"
	ITALY			
> 41,000		NY -524	4	1066
> 41,000		-525	"	"
30,580±1000		-522	"	"
22,570±1000		-526	"	"
7110 ± 140	Late 70th C BC	LJ-4548	"	1040
6900 ± 150	Early 60th-Late 70th C BC	-4551	"	"
6870 ± 100	"	-4143	"	1039
6780 ± 100	Early 60th C BC	-4549	"	1040
6530 ± 150	Mid 60th C BC	-4550	"	"
6490 ± 100	"	-4144	"	1039
6230 ± 90	Late-Mid-60th C BC	-4139	"	"
6220 ± 100	"	-4140	"	"
6090 ± 90	50th-54th C BC	-4140	"	"
6070 ± 90	"	-4142	"	"
5940 ± 100	48th-52nd C BC	-4138	"	1038
5940 ± 80	"	-4136	"	"
5770 ± 100		Ny -411.5	"	1066
5730 ± 100		-411.1	"	"

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

Date	Culture or Period	Sample No.	No.	Page
	ITALY (cont)			
5720±100		NY -411.2	4	1066
5720±100		-411.3	"	"
5710±100		-411.4	4	1066
5700 ± 90	45th-48th C BC	LJ -4137	"	1038
4710 ± 80	34th-36th C BC	-4545	"	1039
4680 ± 60	34th-37th C BC	-4544	"	"
4580 ± 80	34th-36th C BC	-4546	"	1040
4440 ± 70	31st-45th C BC	-4547	"	"
4350 ± 90		NY - 519	"	1067
4350 ± 80		- 518	"	"
2450 ± 80		- 517	"	"
1820±100		- 516	"	"
540 ± 80		- 483	"	"
370 ± 80		- 484	"	"
Modern		- 535	"	"
	PERU			
3820±60	Pre Ceramic	Tx -3167	4	1111
3660±80	"	-3166	"	"
	POLAND			
2450±180		Gd-448	1	64
2400±170		-447	"	"
2020±155		-436	"	"
1970±150		-427	"	65
1940±150		-437	"	64
1895±160	Roman (?)	-432	"	65
1790±150		-431	"	"
1760± 70	Roman	-489	"	64
1730±140		-428	"	65
1720± 70	Roman	-488	"	64
	SWEDEN			
8830±110		Lu-1566	4	1059
8180± 80		-1567	"	"
7580±115		-1573	"	1060
7280± 75		-1558	"	1058
7070± 75		-1578	"	1060
6860± 70	Early Ertebølle	-1623	"	1062
6680± 70	"	-1622	"	"
6660± 80	"	-1617	"	"
6160± 70		-1562	"	1059
5570± 65		-1572	"	1060
5270± 90		-1570	"	1059
5080± 65		-1636	"	1058
5010± 65		-1633	"	"
4700± 60		-1563	"	1059
4440± 80		-1569	"	"
4120± 60		-1574	"	1060
3590±100		-1577	"	"
2860± 60	Late Bronze	-1674	"	1062
2830± 55		-1615	"	1061
2800± 55	Late Bronze	-1673	"	"
2760± 55	"	-1635	"	1058
2710± 55	"	-1652	"	1061
2660± 60	"	-1616	"	"
2550± 75	"	-1576	"	1060
2460± 55	"	-1565	"	1059
2310± 55	"	-1579	"	1060
2120± 50	"	-1568	"	1059
1520± 50	"	-1561	"	"
1380± 50	"	-1560	"	1058
1370± 50	"	-1564	"	1059
1280± 50	"	-1575	"	1060
1100± 50	Historic	-1614	"	1062
1100± 50	"	-1559	"	1058
1070± 50	"	-1544	"	1057
1060± 50	"	-1545	"	"
1060± 50	"	-1543	"	"
1040± 50	"	-1549	"	"
1010± 50	"	-1548	"	"
1010± 50	"	-1542	"	"
970± 50	"	-1550	"	"
960± 50	"	-1551	"	1058
960± 50	"	-1547	"	1057
450± 55	"	-1571	"	1060
< 150	"	-1677	"	1061

Date	Culture or Period	Sample No.	No.	Page
	VENEZUELA			
24,400 ± 650	Early Corozal	QC-275A	4	1081
24,700±1250	"	-272B	"	"
24,700 ± 200	"	-275B	"	"
23,900 ± 650	"	-272A	"	"
23,080 +910 -820	Early Camoruco - Late Corozal	-335(1)	"	1082
22,420 +820 -740	"	-335(2)	"	"
9140 ± 140		Tx-2608	"	1110
8420 ± 970		-2611	"	1111
7710 ± 700		-2610	"	"
3720 ± 270	Early Camoruco - Late Corozal	QC- 335(3)	"	1082
2810 ± 130	Early Corozal	-271B	"	1081
2650 ± 80	"	-271A	"	"
1740 ± 100	Middle Corozal	-323	"	1082
1450 ± 70	Ronquin	-311B	"	1081
1300 ± 90		-327	"	"
1200 ± 90	Early Camoruco - Late Corozal	-326	"	1082
1170 ± 100	Ronquin	-311A	"	1081
1170 ± 90	Middle-Late Corozal	-313AA	"	1083
900 ± 90	"	-312AB	"	"
860 ± 70	Late Corozal	-309	"	1081
830 ± 90	Early Camoruco - Late Corozal	-325	"	1082
820 ± 90	Late Corozal	-322	"	"
760 ± 100	Middle-Late Corozal	-313AB	"	1083
720 ± 80	"	-319	"	1082
540 ± 80	Middle Corozal	-310A2	"	"
510 ± 70	"	-310A1	"	"
490 ± 70		Tx-2609	"	1110
460 ± 80	Early-Middle Camoruco	QC-324A	"	1082
410 ± 90	Early Camoruco	QC-321	"	"
410 ± 80	Middle Camoruco	-310B1	"	"
340 ± 90	"	-310B2	"	"
340 ± 80	Middle-Late Corozal	-312AA	"	1083
260 ± 80	Middle Corozal	-320	"	1082
	YUGOSLAVIA			
2035±50	1st C AD	TX-1940	4	1113
1970±80	"	-2492	"	"
1950±60	Early 2nd C AD	-2494	"	1114
1870±180		-1431	"	1112
1800±80	Mid 5th C AD	-2491	"	1113
1780±50	Early 2nd C AD	-2489	"	"
1730±40	"	-1921	"	1112
1720±50	"	-1942	"	"
1660±45	Mid 5th C AD	-1943	"	1113
1600±70	"	-2490	"	"
1600±60		-1944	"	1112
	UNITED STATES			
	ARKANSAS			
790 50	Bartholomew phase Plaquemine	TX-2885	4	1103
750 80	"	-2887	"	"
690 60	"	-2886	"	"
440 70	Late Caddoan	-2859	"	1102
230 50		-2858	"	"
	CALIFORNIA			
36,000±4000		LJ-4535	4	1037
8180 ± 110		-4130	"	1036
7440 ± 110		-4134	"	1035
7120 ± 150		-4133	"	"
7060 ± 110		-4135	"	"
6300 ± 90		-4168	"	1036
5810 ± 90		-4131	"	"
5650 ± 90		-4132	"	"
4950 ± 90		-4169	"	"
3810 ± 70	23rd, 24th, 25th C BC	-4216	"	1035
3310 ± 70		-4173	"	1036
3110 ± 120	14th, 15th, 16th C BC	-4170	"	"
1400 ± 100	7th, 6th, 5th C AD	-4533	"	1037
910 ± 50	12th, 11th, 10th C AD	-4532	"	"
430 ± 70		-4219	"	1036
410 ± 70		-4534	"	1037
350 ± 70	Late Historic (?)	-4224	"	"
330 ± 70		-4255	"	1035
< 250		-4217	"	"
230 ± 70		-4254	"	"
230 ± 60		-4535	"	1037

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

Date	Culture or Period	Sample No.	No.	Page
	UNITED STATES (cont)			
	COLORADO			
9800±830		TX-3154	4	1110
8550±100		-3149	"	1109
7060±110		-3156	"	1110
5810±120		-3152	"	"
5690±170		-3155	"	"
4560± 80		-3151	"	"
4520±120		-3153	"	"
4430±300		-3150	"	"
4270±90		-3157	"	"
	CONNECTICUT			
3510±140		QC -301	4	1080
2290± 90		-217	"	1079
1050± 80		-332	"	"
750± 90		-298	"	"
610±350		-318	"	"
130± 90		-231	"	"
80± 50		-273	"	"
	FLORIDA			
6330 ± 90	Late Prehistroic Calusa	UM-1920	4	1122
5630±100	Archaic	-1835	"	"
4940±100	"	-1836	"	"
4470 ± 80	Late Prehistoric Calusa	-1922	"	"
4460±110	"	-1918	"	"
4340 ± 70	"	-1923	"	1123
4250 ± 90	"	-1921	"	1122
4220 ± 80	"	-1919	"	"
4120 ± 90	"	-1928	"	1123
4080 ± 80	"	-1929	"	"
4060 ± 80	"	-1925	"	"
4030 ± 80	"	-1924	"	"
3980 ± 90	"	-1930	"	"
3950 ± 90	"	-1726	1	107
3900 ± 90	"	-1927	4	1123
3900 ± 80	"	-1926	"	"
3890 ± 80	"	-1931	"	"
3770 ± 80	Pre-Occupation	-1723	1	107
2640 ± 90	Mississippian	-1756	4	1124
2440 ± 70	"	-1720	1	106
2360 ± 70	"	-1873	4	1124
2280 ± 90	"	-1872	"	"
2270 ± 80		-1874	"	"
2260 ± 80		-1838	"	1122
2210 ± 80		-1722	1	107
2000 ± 70		-1721	"	106
1960 ± 70		-1727	"	107
1930 ± 75		-1672	"	106
1890 +120 -110		-1725	"	107
1850 ± 90		-1837	4	1122
1810±180	Mississippian	-1811	"	1124
1770 ± 70		-1642	1	104
1740 ± 70	Late Cades Pond	-1783	"	1121
1700 ± 80		-1841	"	1122
1690 ± 90		-1644	"	104
1680 ± 70	Late Cades Pond	-1781	4	1121
1530 ± 80		-1645	1	104
1520 ± 70 +120		-1646	"	105
1460 -130		-1724	"	107
1460 ± 70	Late Cades Pond	-1782	4	1121
1450 ± 90		-1643	1	104
1440±140		-1674	"	106
1360 ± 80	Early Hickory Pond	-1788	4	1121
1360 ± 70		-1839	"	1122
1350 ± 80		-1665	1	105
1230 ± 80		-1669	"	106
1220 ± 50		-1671	"	"
1220 ± 50	Mississippian	-1810	4	1124
1210 ± 70	Early Hickory Pond	-1789	"	1121
1190 ± 60	Mississippian	-1808	"	1124
1180 ± 80		-1840	"	1122
1180 ± 50		-1805	"	1124
1160 ± 50		-1663	I	105
1130 ± 80	Mississippian	-1809	4	1124
1090 ± 70		-1666	1	106
1080 ± 50		-1660	"	105
1050 ± 70		-1806	4	1124
1030 ± 50		-1664	1	105
1020 ± 70		-1662	"	105
1020 ± 50		-1670	"	106

Date	Culture or Period	Sample No.	No.	Page
	FLORIDA (cont.)			
940 ± 60		UM-1742	1	106
890 ± 60		-1668	"	"
860 ± 70	Mississippian	-1807	4	1123
840±100	Early Hickory Pond	-1790	"	1121
590 ± 80	"	-1784	"	"
530 ± 60		-1661	1	105
520 ± 70	Early Hickory Pond	-1785	4	1121
510 ± 70	Mission	-1786	"	"
490±110		-1667	1	106
250 ± 80	Mission	-1787	4	1121
	GEORGIA			
2430±70	Woodland	UM-1676	1	105
1420±80	"	-1677	"	"
980±100	Early Mississippian	-1675	"	"
	IDAHO			
10,820 ± 140	Windust	Tx-3159	4	1108
10,110 ± 720		-3160	"	"
9850 ± 870	Windust	-3158	"	"
9320±1830		-3081	"	1107
9280 ± 110		-3083	"	"
9160 ± 230	Windust	-3086	"	"
8800±1310	Early Cascade	-3265	"	1109
8660±1660	Windust	-3266	"	"
8560 ± 520		-3082	"	1107
6240 ± 100		-3084	"	"
5550 ± 220		-3262	"	1109
5450 ± 120		-3161	"	1108
4340 ± 90		-2263	"	1109
4310 ± 70	Tucannon	-3085	"	1107
4120 ± 110	"	-3088	"	1108
3440 ± 110	"	-3264	"	1109
3420 ± 380	"	-3092	"	1108
2270 ± 150	"	-3091	"	"
360 ± 60	"	-3089	"	"
150 ± 70		-3090	"	"
	MARYLAND			
1040 ± 120	Montgomery	QC-157/8	4	1080
	MASSACHUSETTS			
1790 ± 120		QC-222(1)	4	1080
1760 ± 80		-222(2)		"
	MONTANA			
4230 ± 50	Early Late Prehistoric	Tx-2797	4	1106
1790 ± 50		-3066	"	"
1770 ± 200	Early Late Prehistoric	-3112	"	"
1510 ± 60	"	-2796	"	"
1140 ± 50	"	-2798	"	"
1000 ± 90	"	-3111	"	"
940 ± 60	"	-2795	"	"
	NEW YORK			
4940 ± 100		QC-240	4	1078
4700 ± 90		-270(2)	"	"
4600 ± 80		-270(1)	"	"
4490 ± 90		-243	"	"
4400 ± 100		-224	"	"
4370 ± 90		-239	"	"
3370 ± 170		-225	"	"
2850 ± 220		-307/8	"	1079
2480 ± 340		-241	"	1078
700 ± 120		-112	"	"
	NEVADA			
7080 ± 680		QC-291	4	1080
5410 ± 270		-294	"	1081
5390 ± 150		-293	"	"
5290 ± 180		-289	"	1080
5100 ± 100		-293	"	1081
4850 ± 100		-290	"	1080
4140 ± 130		-292	"	1081
3140 ± 90		-288	"	1080
3130 ± 90		-287(2)	"	"
2900 ± 90		-287(1)	"	"

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

Date	Culture or Period	Sample No.	No.	Page
	NORTH CAROLINA			
1340 ± 60	Late Woodland	Tx-2819	4	1104
970 ± 80		-2818	"	"
120±260		-2820	"	"
	NORTH DAKOTA			
470 ± 75	Early Plains Woodland	WIS-1016	1	115
265 ± 70	"	-1021	"	"
	PENNSYLVANIA			
1990 ± 80		QC-250	1	1080
1610±100		-259	"	"
	OHIO			
2990±80	Early Woodland	Tx-2347	4	1105
2290±50	Early Adena	-2462	"	"
2160±60	Late Adena-Early Hopwell	-2375	"	"
1650±60	Late Hopewell	-2373	"	"
680±50	Philo	-2345	"	"
660±60	"	-2344	"	"
660±50	Late Woodland	-2374	"	1104
600±70	Philo Phase	-2346	"	1105
	OKLAHOMA			
1920±60		Tx-3284	4	1104
1270±60	Plains Woodland	-3248	"	1103
1010±50	Early Caddo	-3280	"	"
1000±50	"	-3281	"	"
930±50		-3283	"	1104
500±40		-3282	"	"
	SOUTH DAKOTA			
610 55	Initial Coalescent	WIS-1074	1	116
	TEXAS			
3080±160	Late San Pedro Cochise	Tx-3173	4	1100
1190 ± 80	Early Caddo	-3312	"	1102
1170±100	"	-3309	"	1101
1140±160	"	-3311	"	1102
1040±230	"	-3268	"	1100
1020 ± 60		-3400	"	1102
1010 ± 70	San Pedro Cochise	-3169	"	1100
990 ± 60		-3399	"	1102
950 ± 80	Early Caddo	-3273	"	1101
910 ± 90	"	-3275	"	"
880±110	"	-3307	"	"
800 ± 40		-3401	"	1102
790 ± 80	Early Caddo	-3271	"	1101
780±100	"	-3272	"	"
780 ± 70	Late San Pedro Cochise	-3168	"	1100
770 ± 70	Early Caddo	-3270	"	1101
740 ± 70	"	-3269	"	"
620±100	"	-3308	"	"
610±100	"	-3310	"	"
560 ± 60	"	-3267	"	1100
550 ± 60	"	-3276	"	1101
440 ± 90	"	-3274	"	"
	WASHINGTON			
2500 ± 70	7th,8th,9th C BC	LJ-4218	4	1034
2400±110		Tx-3304	"	1105

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern Δ Value or Date	Depth	Sample No.	No.	Page
		ANTARCTICA		
-73‰	20m below ice	LJ-4256	4	1043
		BRAZIL		
		LJ-4099-4102	4	1044
		-4303-4308	"	"
		-4450-4455	"	"
0.7±0.5	277 m	FZ-44	"	1032
2.5±0.8		-53	"	"
4.1±05	240 m	-43	"	"
4.9±03	210 m	-37	"	"
5.7±1.1		-45	"	"
9.7±0.4	77 m	-38	"	"
10.6±0.8	141 m	-41	"	"
11.7±0.3		-64	"	"
19.1±0.7	32 m	-67	"	1033
23.1±0.7		-34	"	1031
23.9±0.7	164 m	-35	"	"
25.6±0.7	36 m	-77	"	1033
27.1±0.7	120 m	-40	"	1032
32.8±0.6		-66	"	1033
37.1±0.7	130 m	-14	"	1031
37.8±0.8	89.5 m	-36	"	1032
40.0±0.6	142 m	-78	"	1033
53.9±0.7	60 m	-71	"	"
55.4±0.6		-69	"	"
71.5±0.9		-72	"	"
72.1±1.0		-73	"	"
77.2 ± .1	110 m	-79	"	"
79.9±0.8	68 m	-68	"	"
83.6±1.4		-70	"	"
88.0±0.9		-65	"	1032
		CANADA		
14,540±300	+ 150 m	MGU-334	1	90
11,280±160	+ 84 m	-330	"	"
8570±120	+ 98 m	-331	"	"
7590±100	+ 62 m	-333	"	"
6336±160	+ 44.5 m	-332	"	"
		CUBA		
29,780±500	1.4 m	MGU-465	1	88
27,160±150	3-4 m	-363	"	"
20,000±260		-416	"	89
16,430±200	6-7 m	-415	"	"
15,020±300	310-330 cm	-547	"	"
7680±150	275-295 cm	-551	"	90
7590±250	340-360 cm	-550	"	"
7480±800	420-440 cm	-548	"	89
7360±290	380-435 cm	-368	"	"
5480±140	340-380 cm	-367	"	"
4055±120	10-45 cm	-369	"	"
3370± 80	400-455 cm	-552	"	90
2150± 90		-417	"	89
1900±120	1 m	-419	"	"
1610±130		-414	"	"
1310± 80	20-30 cm	-371	"	"
1170±130	1 m	-418	"	"
		INDIA		
2875±100		BS-59	1	59
2755±105		-61	"	"
2455±100		-64	"	60
2215±100		-63	"	"
595±105		-62	"	59
475 ± 75		-58	"	"
180 ± 95		-65	"	60

% of Modern Δ Value or Date	Depth	Sample No.	No.	Page
		PACIFIC ISLANDS		
>41,000	+ 50 m	MGU-164	1	84
31,930±1300	+ 34 m	-634	"	87
31,600 ± 500	+ 60 m	-165	"	85
29,880 ± 300	+ 29 m	-173	"	84
29,780±1000	+100 m	-163	"	"
29,590 ± 600	+3.5 m	-184-2	"	86
28,968±1020	+ 65 m	-625	"	88
27,480 ± 330	+ 20 m	-622	"	"
26,870 ± 350	+166 cm	-592	"	87
26,290 ± 450	+3.5 m	-184-1	"	86
25,160 ± 500	+ 24 m	-187	"	"
25,100 ± 780	+ 60 m	-181	"	85
23,894 ± 430	+1.3 m	-631	"	87
22,897 ± 352	+ 1 m	-628	"	"
22,500 ± 180	+ 5 m	-593	"	86
22,400 ± 100	+ 70 m	-175	"	83
21,920 ± 360	+ 80 m	-162	"	84
21,400 ± 270	+ 14 m	-176	"	"
20,000 ± 220	+ 2 m	-179	"	86
19,580 ± 460	+ 3 m	-590	"	88
15,220 ± 300	+ 15 m	-172	"	84
12,316 ± 210	+1.5 m	-633	"	86
6478 ± 116	185 cm	-630	"	87
4100 ± 84	- 55 cm	-618	"	"
3960 ± 150	+ 8 m	-170-1	"	83
3780 ± 150		-170-3	"	"
3740 ± 250		-170-2	"	"
3623 ± 116		-632	"	88
3190 ± 170	+ 20 cm	-629	"	86
3180 ± 170	+0.3 m	-591	"	87
2954 ± 170		-589	"	88
2890 ± 500	1.5 m	-174	"	83
2615 ± 84		-627	"	81
2500 ± 190		-177	"	84
2467 ± 84	+0.8 m	-624	"	87
2385 ± 120	+1.5 m	-171	"	84
2230 ± 150	98-104 cm	-239	"	86
1823 ± 100		-191	"	85
1666 ± 70	+1.5 m	-178	"	84
1435 ± 80		-185	"	85
1197 ± 170	+2.5 m	-626	"	88
830 ± 50	+5-10 m	-190	"	85
725 ± 180		-180	"	86
530 ± 60	340-350 cm	-237	"	85
440 ± 90	196-202 cm	-236	"	"
Recent	0-10 cm	-238	"	"
"	40m 0-10 cm	-235	"	"
"	+0.5 m	-623	"	88
		POLAND		
149.7±1.4		Gd-494	1	66
134.9±1.6		-480	"	"
103.0±0.8		-493	"	"
100.3±1.7		-288	"	"
85.3±1.6		-289	"	"
74.8±1.6		-290	"	"
69.5±1.5		-483	"	"
66.3±1.4	Surface	-417	"	65
62.0±1.3		-292	"	66
61.9±1.3	ca 400 m	-467	"	65
59.8±1.7	Surface	-433	"	"
59.5±1.7	ca 400 m	-457	"	"
59.1±1.1		-291	"	66
55.8±1.2		-434	"	"
52 3±1.2	ca 600 m	-466	"	65
48.8±1 1		-481	"	66
43.2±1 1	ca 600 m	-456	"	65
41 7±1.0	ca 600 m	-462	"	"
25 3±0.9	ca 380 m	-412	"	
24.9±1.1	ca 600 m	-411	"	
21.5±1 2	ca 380 m	-434	"	
20.6±1 1	ca 600 m	-426	"	
		SWEDEN		
13,110±115		Lu-1675	4	1050
13 080±115		1676		

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern or Date	Depth	Sample No.	No.	Page
AUSTRIA				
29,300±700		VRI-618	1	118
26,300±600		-619	"	"
25,630±660		-570	"	111
11,560±170		-464	"	109
9680±210		-594	"	"
7830±130		-582	"	111
6980±130	214-216 cm	-533	"	119
6490±90	285-300 cm	-501	"	"
6270±100	188-189 cm	-534	"	"
6130±120		-634	"	109
6000±100	150-160 cm	-500	"	119
5420±100	134-144 cm	-535	"	"
5090±110	350-355 cm	-532	"	"
4920±140	113-115 cm	-536	"	"
4420±100	13.2 cm	-631	"	109
3490±80	303-307 cm	-531	"	119
3150±80	279-285 cm	-530	"	"
2280±100	60 cm	-633	"	109
750±70	1.5 m	-587	"	108
590±70	14-24 cm	-588	"	"
<250	-4.5 m	-630	"	109
BULGARIA				
2625 65	182-185 cm	WIS-1014	1	129
1810 60	146-150 cm	-1010	"	"
CANADA				
10,260±100	505-515 cm	WIS-987	1	125
10,040±95	500-505 cm	-985	"	"
9840±100	490-500 cm	-983	"	"
8940±90	270-280 cm	-1063	"	"
8900±90	385-375 cm	-1054	"	126
8740±90	450-465 cm	-992	"	127
8340±90	946 cm	-1062	"	"
8310±80	362-352 cm	-1061	"	126
7870±85	390-400 cm	-991	"	127
7265±85	390-400 cm	-982	"	125
6920±85	185-195 cm	-1066	"	"
6920±80	430-440 cm	-1055	"	127
5625±75	300-290 cm	-1054	"	126
5210±70	280-370 cm	-1060	"	"
4520±80	310-320 cm	-1056	"	127
4510±75	290-300 cm	-981	"	125
4040±80	90-100 cm	-1064	"	126
3860±70	240-250 cm	-1057	"	127
3350±70	200-190 cm	-1047	"	126
3330±70	855 cm	-1063	"	127
3230±120		Gd-473	"	63
2850±65	190-200 cm	-980	"	125
2835±75	160-150 cm	-1059	"	126
2675±60	290-300 cm	-990	"	127
2355±55	190-200 cm	-989	"	"
1840±60	90-100 cm	-986	"	"
1135±60	90-100 cm	-979	"	127
620±70	50-60 cm	-1058	"	126
FRANCE				
19,510±620		NY-543.2	4	1071
19,400±560		-543.1	"	"
6830±100		-474	"	"
4260±90	180-185 cm	-495	"	1070
4180±90	154-160 cm	-494	"	"
4120±90		-523	"	"
4100±90		-544	"	"
4000±80		-496	"	"
3770±90	125-131 cm	-493	"	"
3570±80		-546.1	"	1071
3490±90		-546.2	"	"
3480±90	119-125 cm	-492	"	1070
3390±80		-546.3	"	1071
3390±80	75-180 cm	-611	"	1068
3340±90		-545	"	1071
3230±85		LU-1606	4	1056
2930±100	120-130 cm	NY-507	"	1069
2810±70	60-65 cm	-610	"	1068
2510±100		-506	"	1069
2510±80		-633	"	1071
2440±70	65-70 cm	-614	"	1068
2380±70	60-65 cm	-612	"	"
2280±80		-476	"	1070
2120±80		-475.1	"	"

% of Modern or Date	Depth	Sample No.	No.	Page
FRANCE (cont)				
2110±80	45-49 cm	Ny-491	4	1070
2070±80		-475.2	"	1071
2000±70	55-60 cm	-613	"	1068
1890±100	30-37 cm	-502	"	1069
1820±100	77-85 cm	-503	"	"
1750±90	40-55 cm	-504	"	"
1660±90	100-110 cm	-505	"	"
1440±80	50-55 cm	-609	"	1068
1220±70	40-45 cm	-615	"	"
770±80	30-35 cm	-616	"	"
770±80	40-45 cm	-617	"	"
460±100	75-85 cm	-509	"	1069
320±100	65-75 cm	-508	"	"
210±50	40-55 cm	-501	"	1068
160±90	63-70 cm	-512	"	1069
50±90	30-40 cm	-510	"	1068
Modern	33-45 cm	-511	"	1069
Modern	70-75 cm	-514	"	"
ICELAND				
8990±155	386-393 cm	Lu-1682	4	1053
7660±115	338-343 cm	-1683	"	"
6570±65	309-316 cm	-1684	"	"
6040±100	267-272 cm	-1685	"	"
4470±95	228-234 cm	-1724	"	"
2710±70	176-182 cm	-1725	"	"
2330±55	760-765 cm	-1641	"	1052
1850±60	660-665 cm	-1643	"	"
1830±55	710-715 cm	-1642	"	"
1700±50	610-615 cm	-1644	"	"
1590±60	297-302 cm	-1650	"	1051
1530±50	560-565 cm	-1645	"	1052
1450±55	360-365 cm	-1649	"	1053
1390±60	247-252 cm	-1651	"	"
1380±50	410-415 cm	-1648	"	1052
1330±55	460-465 cm	-1647	"	"
1320±55	510-515 cm	-1646	"	"
INDIA				
38,270±2480	3.4 m	BS- 83	1	57
28,310±3070	43-73 cm	- 73	"	54
24,030±580	179-220 cm	- 74	"	"
19,310±360	120-150 cm	-122	"	56
10,620±160	70-100 cm	-120	"	"
7985±110	40-44 cm	- 87	"	55
7840±300	2.3-2.4 m	- 81	"	56
7210±160	260-267 cm	-996	"	"
5210±145	0.3 m	- 88	"	57
4005±90	20-50 cm	-106	"	56
1975±110	17 cm	- 86	"	54
1920±100	30 cm	- 75	"	56
1345±110		- 71b	"	55
1220±350	127-132 cm	- 84	"	"
870±110		- 71a	"	"
825±120		- 77b	"	56
435±90		- 77a	"	"
330±140	3.15 m	- 96	"	57
330±70	3.3 m	-100	"	"
245±90	1.2 m	-102	"	"
280±100	0.-5 cm	- 76	"	55
160±95	0.9 m	- 95	"	57
Modern	15 cm	- 82	"	55
Modern	5-8 cm	- 89	"	"
Modern	38 cm	- 99a	"	"
Modern	3.0 m	-101	"	57
Modern	5-7 cm	- 85	"	54
Modern	26-43 cm	- 55	"	55
IRELAND				
10,010±170		I-136F	4	1029
4030±120		-119	"	"
0.7±0.2	Bottom 1 cm	-144	"	1030
40.2±0.9	Upper 1 cm	-137	"	1029
44.9±0.4		-149	"	1030
53.5±0.9	Central 2 cm	-141	"	1029
72.8±1.1	Outer 2 cm	-142	"	"
85.8±1.2		-139	"	"
114.1±2.6		-147	"	1030
142.0±1.4		-148	"	"

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern or Date	Depth	Sample No.	No.	Page
		ITALY		
15,020±190	450-472.5 cm	VRI-539	1	112
9370±150	375-383 cm	-553	"	"
8920±130	385-405 cm	-548	"	"
8900±130	110-120 cm	-499	"	111
7870±140	330-340 cm	-549	"	112
		MEXICO		
14,540 ± 90		TX-1913	4	1094
14,450±100		-1914	"	"
13,180±290		-1784	"	"
		NEPAL		
36,000		VRI-607	1	112
29,200±1100		-608	"	"
		NORWAY		
9420 ± 85		Lu-1581A	4	1051
9220±100	109-114 cm	-1621	"	"
8320 ± 80	+ 1220 m	-1693	"	1052
8240 ± 80	+ 1030 m	-1692	"	1051
7330 ± 75		-1580A	"	"
7180 ± 75	C9-74 cm	-1620	"	1050
4890 ± 65	+ 1000 m	-995	"	1051
3600 ± 55		-1583A	"	"
2860 ± 55		-1582A	"	"
		PERU		
10,050±100	895-902 cm		1	128
5670 ± 80	728-736 cm		"	"
1100 ± 70	225-235 cm		"	"
455 ± 60	118-123 cm		"	"
		POLAND		
36,400$^{+1200}_{-1000}$	520-550 cm	Lu-1632A	4	1056
35,100$^{+1000}_{-900}$	520-550 cm	-1632	"	1055
11,840 ± 110	197-201 cm	-1678	"	"
11,380 ± 100	186-190 cm	-1679	"	"
11,100 ± 105	178-182 cm	-1680	"	"
11,000 ± 100	165-170 cm	-1681	"	"
9940 ± 210	440-460 cm	Gd-449	1	62
9870 ± 90	790-803 cm	Lu-1531	4	1054
9740 ± 300	330-350 cm	Gd-438	1	62
9610 ± 210	445-455 cm	-445	"	"
9470 ± 270	335-355 cm	-439	"	61
9360 ± 300	325-355 cm	-446	"	"
9280 ± 90	775-780 cm	Lu-1532	4	1054
8830 ± 85	750-755 cm	-1533	"	"
8670 ± 220	555-565 cm	Gd-458	1	62
8350 ± 80	725-730 cm	Lu-1534	4	1054
8120 ± 80	675-680 cm	-1535	"	"
7770 ± 220	495-505 cm	Gd-460	1	62
7430 ± 190	145-155 cm	-454	"	61
7160 ± 75	625-630 cm	Lu-1536	4	1054
6930 ± 240		Gd-420	1	63
6620 ± 180	135-165 cm	-442A	"	61
6600 ± 250		-442B	"	"
6590 ± 70	575-580 cm	Lu-1469	4	1054
6220 ± 120	345-355 cm	Gd-476	1	62
5950 ± 65	525-530 cm	Lu-1537	4	1054
5430 ± 65	475-480 cm	-1538	"	"
5130 ± 60	445-450 cm	-1539	"	"
4670 ± 150	340-360 cm	Gd-452	1	62
4810 ± 60	425-430 cm	Lu-1470	4	1054
4230 ± 60	390-395 cm	-1608	"	1055
3740 ± 55	340-345 cm	-1609	"	"
3320 ± 55	290-295 cm	-1610	"	"
3270 ± 100	140-160 cm	Gd-475	1	62
3150 ± 130	435-465 cm	-472	"	"
2850 ± 170	140-160 cm	-451	"	"
2740 ± 150	440-460 cm	-464	"	"
2700 ± 130	435-440 cm	-470	"	"
2650 ± 55	240-245 cm	Lu-1611	4	1055
2370 ± 150	160-180 cm	Gd-459	1	63
2250 ± 50	195-200 cm	Lu-1612	4	1055
2150 ± 100		Gd-474	1	64
1850 ± 120	215-235 cm	-471	"	62
1790 ± 80	Ca50 cm	-490	"	63
1790 ± 50	140-145 cm	Lu-1613	4	1055
1640 ± 140	215-235 cm	Gd-461	1	62

% of Modern or Date	Depth	Sample No.	No.	Page
		POLAND (cont)		
1220 ± 50	75-80 cm	Lu-1540	4	1054
830±110	45-70 cm	Gd-492	1	63
810 ± 50		Lu-1627	4	1055
780 ± 50	25-30 cm	-1541	"	1054
		SAUDI ARABIA		
32,200$^{+1800}_{-1500}$		VRI-600	1	112
4330 ± 100		-599	"	"
1.8 ± 0.4%		-601	"	113
		SWEDEN		
12,890±190	532-538 cm	Lu-1599	4	1049
12,090±145	525-530 cm	-1600	"	"
11,970±105	249-253 cm	-1588	"	1048
11,810±190	1015+1018 cm	-1597	"	1049
11,700±105	838-840 cm	-1618	"	1050
11,260±100	613-615 cm	-1589	"	1047
11,040±150	995-998 cm	-1598	"	1049
10,890 ± 90	598-600 cm	-1590	"	1047
10,830±100	582-584 cm	-1591	"	"
10,760±100	507-511 cm	-1601	"	1049
10,560±100	502-507 cm	-1602	"	"
10,740±105	498-502 cm	-1603	"	"
10,500±100	768-770 cm	-1619	"	1050
10,450±100	574-576 cm	-1592	"	1047
10,260 ± 95	491-495 cm	-1604	"	1049
10,220 ± 95	563-565 cm	-1593	"	1047
9840 ± 95	551-553 cm	-1594	"	"
9760 ± 90	482-485 cm	-1605	"	1049
9560 ± 90	537-539 cm	-1595	"	1048
7280 ± 75	228-230 cm	-1517	"	1046
6830 ± 90	125-130 cm	-1653	"	1047
6640 ± 75	218-220 cm	-1518	"	1046
4490 ± 75	94-98 cm	-1654	"	1047
3810 ± 60	208-210 cm	-1587	"	1046
3480 ± 70	72-76 cm	-1655	"	1047
3470 ± 60	194-196 cm	-1519	"	1046
3180 ± 70	168-170 cm	-1520	"	"
2570 ± 55	100-105 cm	-1672	"	"
2500 ± 55	415-420 cm	-1639	"	1048
2300 ± 50	130-134 cm	-1521	"	1046
2050 ± 50	75-80 cm	-1671	"	"
1970 ± 70	23-27 cm	-1656	"	1047
1850 ± 50	122-126 cm	-1522	"	1046
1710 ± 50	395-400 cm	-1640	"	1048
1610 ± 65	375-380 cm	-1638	"	"
1580 ± 50	50-55 cm	-1670	"	1046
1540 ± 55	100-104 cm	-1523	"	"
900 ± 50	32.5-37.5 cm	-1669	"	"
580 ± 50	75-77.5 cm	-1686	"	1050
		SWITZERLAND		
5140±120		Lu-1696	4	1056
5090 ± 65		-1697	"	"
		UNITED STATES		
		ALASKA		
6960±100		QC-245	4	1077
6660 ± 90		-208	"	"
5110±200		-206B	"	"
4460±180		-244	"	"
3830±110		-204A	"	1076
3770±100		-205	"	"
3630±130		-162	"	1075
3040±370		-207	"	1077
2770 ± 90		-161	"	1075
2690 ± 90		UM-1804	"	1119
900±120		-1803	"	"
650 ± 80		QC-160	"	1075
107.1%		UM-1739	1	102
105 %		-1738	"	"
104.4%		-1740	"	"
103.7%		-1741	"	103

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern or Date	Depth	Sample No.	No.	Page
UNITED STATES (cont.)				
CALIFORNIA				
$38,380^{+730}_{-670}$		UM-1631	1	102
$33,460^{+950}_{-850}$	140 m	-1822	4	1118
$31,440^{+2210}_{-1730}$	91 m	-1818	"	"
$31,000^{+1400}_{-1200}$	49 m	-1985	"	1129
$29,850^{+660}_{-610}$	131 m	-1820	"	1118
$29,040^{+610}_{-570}$		-1632	1	102
27,280±350	49 m	-1984	4	1129
19,630±230		-1816	"	118
$18,500^{+510}_{-480}$	160 m	-1819	"	"
12,260±210		-1823	"	"
18,800±130	61 m	-1817	"	"
5180 ± 90	2.4 m	-1813	"	1120
3530 ± 80		LJ-4366	"	1041
2430±110	91 cm	UM-1812	"	1120
2230±110		-1794	"	1119
1410±100		-1795	"	"
1250±110		-1796	"	"
850 ± 90		LJ-4391	"	1041
810 ± 60		UM-1821	"	1118
700 ± 50		LJ-4383	"	1041
670 ± 70		-4388	"	"
560 ± 50		-4385	"	"
410 ± 70		-4384	"	"
390 ± 60		-4392	"	"
380 ± 90		UM-1797	"	1119
360 ± 50		LJ-4365	"	1041
340 ± 60		-4387	"	"
330 ± 60		-4386	"	"
240 ± 60		-4389	"	"
110 ± 30		-4390	"	"
FLORIDA				
$38,970^{+1940}_{-1560}$	20-40 cm	UM-1791	4	1119
$28,770^{+860}_{-730}$	25-40 cm	-1793	"	1120
3500 ± 130	15-36 cm	-1832	"	1117
3260 ± 130	38-51 cm	-1827	"	"
2150 ± 130	15-36 cm	-1826	"	"
860 ± 90		-1913	"	1120
850 ± 70		-1798	"	"
680 ± 70		-1792	"	1119
370		-1831	"	1117
270	910 m	-1829	"	"
180 ± 80	3 m	-1692	1	104
Modern		UM-1828	4	1117
Modern		-1830	"	"
Modern		-1833	"	1118
GEORGIA				
4550±90		UM-1878	4	1117
4160±80		-1877	"	"
3750±70		-1879	"	"
3020±90		-1875	"	"
2810±110		-1876	"	"
IDAHO				
9510±190	920-923 cm	Tx-2108	4	1096
9110±110	913-416 cm	-2103	"	"
8280±120	904-908 cm	-2110	"	"
7960±310	805-810 cm	-2674	"	"
7680± 40	760-771 cm	-2673	"	"
6980±480	643-645 cm	-2104	"	"
6630± 80	600-605 cm	-2116	"	"
6390±230	500-505 cm	-2121	"	"
4310±990	395-399 cm	-2119	"	"
3030±110	339-343 cm	-2105	"	"
2940± 80	279-283 cm	-2113	"	"
2670±100	161-166 cm	-2115	"	"
KANSAS				
2395 ± 65	12 m	WIS-1030	1	116
MAINE				
$24,750^{+1560}_{-1300}$	550-570 cm	UM-1693	1	104

% of Modern or Date	Depth	Sample No.	No.	Page
UNITED STATES (cont.)				
MASSACHUSETTS				
10,300±370	1205-1230 cm	TX-2946	1	1099
8520±200	902-927 cm	-2945	"	"
3700±110	400-405 cm	UM-1915	"	1120
3020±380	305-310 cm	TX-2948	"	1099
1910±100	105-110 cm	UM-1914	"	1120
MINNESOTA				
12,060±125	1770-1778 cm	WIS-1034	1	119
7550 ± 90	947-952 cm	-1029	"	117
6165 ± 80	787-792 cm	-1026	"	"
5640 ± 70	13.4-13.5 cm	-1008	"	119
4650 ± 75	607-612 cm	-1027	"	117
4030 ± 75	11.30-11.40 cm	-1007	"	119
3950 ± 80		-1037	"	"
3785 ± 70	1150-1160 cm	-1013	"	118
3705 ± 70	487-492 cm	-1024	"	117
3705 ± 60	10.6-10.7 m	-1006	"	119
2790 ± 65	9.7-9.8 m	-1005	"	118
2615 ± 65	945-955 cm	-1009	"	"
2290 ± 65	347-352 cm	-1028	"	117
1950 ± 65	150- 55 cm	-1035	"	119
920 ± 60	7.8-7.9 m	-1003	"	118
910 ± 70	207-217 cm	1025	"	116
810 ± 60	720-730 cm		"	118
800 ± 60	7.45-7.55		"	119
630 ± 55	7.1 - ...	-10	"	118
390 ± 60	60-70 cm	-10	"	"
NEVADA				
40,000	34 m	TV-2561	4	1094
NEW JERSEY				
12,820±200		QC-297	4	1075
12,130±210	1.8 m	-296	"	"
6340±100	1.4 m	-142	"	"
5220±120	1.4 m	-141	"	"
5080 ± 60	1.2 m	-144	"	"
NEW YORK				
$25,450^{+6680}_{-3600}$	+ 60 cm	QC-238	4	1076
10,830±220	3 m	-232	"	"
10,360±100	997-1023 cm	WIS-1050	"	120
7950±100	4.5 m	QC-263	"	1076
7880±100	231-249 m	WIS-1051	"	120
6270±340	4.5 m	QC-233	"	1076
5900±300	9.45 m	-189	"	1073
5150±210	7.5 m	-221A	"	"
5060±120	10.1 m	-314	"	1074
4610±120	8.54 m	-261	"	"
4570±120	6.8 m	-221B	"	1073
4500±100	7 m	-264	"	"
4230±120	7.7 m	-227	"	1074
4110±100	6.15 m	-276	"	"
3940±140	10.75 m	-186	"	"
3800±160	4.75 m	-187	"	"
3610±120	4.6 m	-274	"	"
3460±100	5.05 m	-262	"	"
3245 ± 65	231-249 m	WIS-1052	1	120
2326±100	3.9 m	QC-226	4	1074
2300±160	3 m	-211	"	"
1870 ± 90	2.7 m	-228	"	1073
1800 ± 90	2.25 m	-295	"	1074
1020±100	1.12 m	-315	"	"
300 ± 90	0.27 m	-316	"	"
NORTH CAROLINA				
>32,000	475-483 cm	UM-1651	1	100
$32,540^{+680}_{-630}$	335-427 cm	-1707	"	"
$28,940^{+500}_{-470}$	457-518 cm	-1717	"	"
26,400±240	18.3-18.9 m	-1946	4	1129
$25,050^{+480}_{-450}$	457-483 cm	-1652	1	100
$23,060^{+625}_{-580}$	1524-1585 cm	-1718	"	"
15,440±280	257-262 cm	-1650	"	"
12,550±300	0-10 cm	-1715	"	101

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern or Date	Depth	Sample No.	No.	Page
	UNITED STATES (cont.)			
	NORTH CAROLINA (cont.)			
9330±110	11.9-13.1 m	UM-1965	4	1129
9090$^{+380}_{-360}$	241-246 m/msl	-1716	1	101
7820 ± 80	-13.7m/msl	-1943	4	1129
7080 ± 70	-8.8-9.1 m/msl	-1942	"	"
5460±170	-6.4 m/msl	-1941	"	"
4800±100	56-64 cm	-1919	1	101
4700 ± 80	5.2 m/msl	-1944	4	1129
4300 ± 90	188-191 cm	-1647	1	100
3780±140	76 cm	-1714	"	101
3580±110	91 cm	-1712	"	"
3190±150	287-295 cm	-1709	"	100
3080 ± 90	213 cm	-1648	"	"
2940±150	76 cm	-1710	"	"
2720±135	10-20 cm	-1711	"	"
2710±150	183-188 cm	-1713	"	101
1520 ± 70	208-218 cm	-1649	"	100
1380±100	2.1-2.4 m/msl	-1947	4	1129
1050±140	112-142 cm	-1708	1	100
	VIRGINIA			
10,800±190	351 cm	UM-1706	1	102
8540±100	219 cm	-1705	"	"
8240±210	104 cm	-1703	"	101
6870±150	357 cm	-1704	"	"
	VIRGIN ISLANDS			
22,370±280		UM-1733	1	99
7600±100		-1734	"	"
5940 ± 85		-1732	"	"
3660 ± 80		-1731	"	"
2890 ± 90		-1730	"	"
2020 ± 80		-1729	"	"
1750 ± 90		-1728	"	"
	WASHINGTON			
43,200$^{+3200}_{-2280}$		UM-1753	1	104
41,500		-1749	"	103
39,600		-1750	"	"
39,210$^{+1730}_{-1420}$		-1747	"	"
36,990$^{+1200}_{-1040}$		-1754	"	104
30,470$^{+1650}_{-1370}$		-1751	"	103
29,330$^{+550}_{-520}$		-1746	"	"
28,910$^{+690}_{-630}$		-1745	"	"
29,130$^{+570}_{-530}$		-1748	"	"
23,600 ± 280		-1752	"	"
11,950 ± 200	830-850 cm	Tx-2663	4	1098
11,500 ± 560	458-466 cm	-2690	"	"
11,300 ± 560	424-466 cm	-2689	"	"
10,460 ± 320	607 cm	-2226	"	"
10,010 ± 220	848 cm	-2233	"	1097
10,000 ± 220	572-577 cm	-2685	"	1099
10,000 ± 150	840-845 cm	-2222	"	1097
9980 ± 160	660-684 cm	-2662	"	1098
9680 ± 150	570-590 cm	-2661	"	"
9560 ± 110	730-735 cm	-2470	"	1097
9440 ± 120	355-360 cm	-2688	"	1098
9270 ± 280	710 cm	-2418	"	1097
9130 ± 320	581 cm	-2417	"	"
9000 ± 420	525-530 cm	-2684	"	1099
8910 ± 80	563 cm	-2073	"	1097
8840 ± 940	326-332 cm	-2687	"	1098
8480 ± 260	440-456 cm	-2660	"	"
8300 ± 80	492-497 cm	-2884	"	1099
8030 ± 150	254-260 cm	-2686	"	1098
7910 ± 100	315-330 cm	-2659	"	"
6930 ± 110	468-473 cm	-2883	"	1099
6870 ± 110	435-439 cm	-2681	"	"
6810 ± 190	415-421 cm	-2882	"	"
6790 ± 130	410-415 cm	-2683	"	"
6750 ± 190	350-355 cm	-2682	"	"
6250 ± 100	275-294 cm	-2658	"	1098
5850 ± 240	632-635 cm	-2220	"	1097
4790 ± 230	526-529 cm	-2219	"	"

% of Modern or Date	Depth	Sample No.	No.	Page
	UNITED STATES (cont.)			
	WASHINGTON (cont.)			
4780±240	305-310 cm	Tx-2681	4	1099
4380±240	477-480 cm	-2218	"	1097
4210±110	363 cm	-2415	"	"
4120±170	411-414 cm	-2217	"	"
3530 ± 80	125-135 cm	-2637	"	1098
3390±100	307 cm	-2414	"	1097
3340 ± 90	245-250 cm	-2680	"	1099
3260±100	340-344 cm	-2216	"	1097
3050 ± 70	253 cm	-2416	"	"
2630±160	264-268 cm	-2215	"	1096
2570 ± 70	190-195 cm	-2679	"	1099
2480±130	149 cm	-2295	"	1097
2440±100	150-155 cm	-2678	"	1099
2170±220	115-119 cm	-2677	"	"
1970±160	225-228 cm	-2214	"	1096
1480 ± 60	55-60 cm	-2076	"	1099
1170±100	76 cm	-2203	"	1097
	WISCONSIN			
12,880±125	599-603 cm	WIS-1004	4	122
12,520±160	6 m	-1075	"	"
12,260±115	6 m	-1073	"	"
10,620±105	541-547 cm	-1001	"	"
10,570±110	10.10-10.30 m	-1019	"	124
10,140±105	7.95-8.10 m	-1017	"	"
10,080±100	514-518 cm	-1000	"	122
9520 ± 95	180-190 cm	-1023	"	"
9060 ± 95	2.5 m	-1018	"	123
8640 ± 85	455-459 cm	- 999	"	122
8640 ± 90	6.15-6.3 m	-1015	"	124
8070±100	990-1000 cm	-1045	"	121
7810 ± 95	2.5 m	-1046	"	123
6920 ± 75	395-399 cm	- 998	"	121
6840 ± 90	1.55 m	-1041	"	120
6350 ± 70	4.6-4.7 m	-1048	"	124
5245 ± 65	334-338 cm	- 997	"	121
5145 ± 65	2.3 m	-1071	"	123
4540 ± 70	2.2 m	-1044	"	"
4410 ± 75	2.1 m	-1022	"	"
4185 ± 70	2.95-3.05 m	-1049	"	124
4105 ± 65	263-267 cm	- 996	"	121
3215 ± 55	1.55 m	-1040	"	120
2430 ± 65	164-169 cm	- 995	"	121
2055 ± 65	138-144 cm	- 994	"	"
1770 ± 70	100-110 cm	-1078	"	124
1760 ± 70	76-81 cm	-1043	"	121
1615 ± 65	1.45 m	-1038	"	120
1505 ± 65	1.25 m	-1039	"	"
1370 ± 70	95-110 cm	-1081	"	124
620 ± 65	1.05 m	-1036	"	120
380 ± 50	140 cm	-1072	"	122
245 ± 55	16-21 cm	- 993	"	121
<150	10-15 cm	-1042	"	"
<150	180 cm	-1029	"	122
	USSR			
	BYELORUSSIAN SSR			
35,700$^{+1100}_{-1000}$		Tln-322	1	93
34,850$^{+2350}_{-1850}$		-326	"	"
24,550±300	300 m	-327	"	"
17,470±210	375 cm	-309	"	92
17,150±150		-329	"	93
10,650±160	480 cm	-325	"	"
5300 ± 80	720 cm	-310	"	92
5050 ± 70	670 cm	-308	"	"
	CSSR			
6800±110	92-100 cm	VRI-547	1	111
4240 ± 70	62-70 cm	-546	"	"
	ARKHANGELSK DISTRICT			
>55,550		Tln-335	1	96
>54,550	450 cm	-312	"	94
>52,750		-344	"	95
>51,600		-315	"	"

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

% of Modern or Date	Depth	Sample No.	No.	Page
		USSR (cont.)		
		ARKHANGELSK DISTRICT		
51,600		Tln-350	1	96
51 200		-336	"	"
46 900 +2300 -1750	+550-590 cm	-338	"	95
46 400		-349	"	96
46,300		-314	"	95
44 600		-351	"	"
40 100 +5200 -3600		-313	"	"
38.600 + 900 - 750		-324	"	"
35,300 500		-323	"	"
		ESTONIA		
41,000 + 700 -2100	350 cm	Tln-328	1	92
12,050±120	360-370 cm	-687	4	1089
12,040±100	530-540 cm	-688	"	1088
9360 ± 80	630-640 cm	-704	"	1085
9190 ± 80	468-475 cm	-342	1	92
9140 ± 80	620-630 cm	-703	4	1085
8990 ± 90	380-390 cm	-685	"	1089
8730 ± 90	590-600 cm	-300	"	1085
8710 ± 80	580-590 cm	-702	"	"
8570 ± 70	570-580 cm	-315	"	"
8530 ± 80	780-790 cm	-679	"	1089
8500 ± 70	530-540 cm	-314	"	1085
8490 ± 70	520-530 cm	-299	"	"
8300 ± 90	570-580 cm	-691	"	1088
7720 ± 70	510-520 cm	-294	"	1085
7580 ± 70	280-290 cm	-261	1	91
7350 ± 70	220-230 cm	-254	"	"
7165 ± 70	200-220 cm	-253	"	"
6980 ± 70	550-560 cm	-701	4	1085
6910±100	565-575 cm	-346	1	92
6660 ± 90	1160-1170 cm	-650	4	1089
6620 ± 80	155-165 cm	-340	1	92
6570 ± 70	420-430 cm	-298	4	1084
6510 ± 70	215-225 cm	-343	1	92
6390 ± 90	340-350 cm	-282	"	91
6330 ± 70	440-450 cm	TA-700	4	1085
5800 ± 90	340-350 cm	-291	"	1084
5330 ± 80	370-380 cm	-690	"	1088
5330 ± 80	410-420 cm	-689	"	"
4680 ± 70	270-280 cm	-297	"	1084
4590 ± 80	930-940 cm	-651	"	1089
4520 ± 70	220-230 cm	-296	"	1084
4390 ± 70	200-210 cm	-313	"	"
4260 ± 70	180-190 cm	-295	"	"
4080 ± 60	90-100 cm	-686	"	1089
3920 ± 50	120-130 cm	-312	"	1084
3830 ± 70	360-370 cm	-699	"	1085
3610 ± 70	175-185 cm	Tln-348	1	91
3480 ± 60	190-200 cm	-281	"	"
3340 ± 60	165-173 cm	-347	"	"
3210 ± 70	570-580 cm	TA-678	4	1089
3190 ± 60	125-135 cm	Tln-345	1	92
2940 ± 60	60-70 cm	TA-293	4	1084
2680 ± 80	450-460 cm	-677	"	1089
2470 ± 60	60-70 cm	-292	"	1084
2370 ± 70	270-280 cm	-697	"	1085
2170 ± 70	10-20 cm	-290	"	1084
1540 ± 80	500-510 cm	-652	"	1089
1330 ± 60	170-180 cm	-684	"	"
860 ± 60	70-80 cm	-683	"	"
240 ± 60	190-200 cm	-690	"	1085
		MURMERISK DISTRICT		
> 53,000	800-1000 cm	Tln-305	1	94
8130±65	150-165 cm	-333	"	"
7410±95	70 cm	-260	"	93
7400±100	300 cm	-306	"	94
7300±60	135-145 cm	-332	"	"
7200±200	400 cm	-307	"	"
7100±60	150-160 cm	-331	"	"
6670±80		-267	"	93
5470±70		-339	"	94
4665±90	170-180 cm	-256	"	93
4285±115	160-170 cm	-255	"	"
3455±65		-259	"	"
3180±100	300 cm	-293	"	94
120±70	35 cm	-302	"	"
100±70	150 cm	-301	"	"

% of Modern or Date	Depth	Sample No.	No.	Page
		USSR (cont.)		
		SIBERIA		
8900±90	480-500 cm	TA-934	4	1087
8610±90	300-340 cm	-667	"	"
8400±70		-1036B	"	1086
8300±70	185-195 cm	-1036A	"	"
8140±80	580-600 cm	-933	"	1087
8000±80	600-625 cm	-1038	"	"
7740±70	410-430 cm	-506	"	1086
7490±80	400-450 cm	-668	"	1087
7260±90	550-570 cm	-666	"	1086
7080±90	350-380 cm	-669	"	1087
6680±70	280-300 cm	-144	"	1086
6330±80	200 cm	-1037	"	1087
6120±80	210-220 cm	-618	"	1086
5810±70	320-330 cm	-752	"	"
5660±80	480-500 cm	-911	"	1087
5610±70	300 cm	-746	"	1086
4350±70	300-310 cm	-596	"	1088
4260±80	0-10 cm	-1037	"	1086
4180±70	260-280 cm	-901	"	1087
3710±60	275-285 cm	-507	"	1086
3610±60	250-260 cm	-508	"	"
3580±70	900-920 cm	-902	"	1087
3380±80	415-425 cm	-907	"	1088
3220±60	225-235 cm	-509	"	1086
3050±70	190-210 cm	-908	"	1088
2870±60	140-145 cm	-743	"	1085
2610±70	265-275 cm	-906	"	1088
2390±70	10-20 cm	-617	"	1086
2140±80	125-135 cm	-597	"	1088
1930±60	130-150 cm	-910	"	1087
1640±70	180-200 cm	-905	"	1088
1580±80	100-120 cm	-909	"	1087
750±60	65-75 cm	-745	"	1086
440±80	20-40 cm	-904	"	1088
190±50	90-100 cm	-510	"	1086
Modern	30-50 cm	-903	"	1088
		WEST SPITSBERGEN		
41,700±1200		Tln-279	1	97
33,250 ± 500		-298	"	98
23,300 ± 500	+5-7 m	-292	"	"
10,360 ± 260	170-175 cm	-270	"	96
9480 ± 120	12-13 m	-275	"	97
9450 ± 120	Surface	-276	"	"
9370 ± 110	"	-274	"	"
9330 ± 120	"	-277	"	"
9330 ± 70	"	-334	"	98
9300 ± 130		-273	"	97
9250 ± 300		-321	"	"
9220 ± 140	Surface	-278	"	"
9150 ± 110	1-1.5 m	-272	"	"
8700 ± 90	Surface	-271	"	"
8670 ± 60		-362	"	"
8260 ± 80	90-100 cm	-269	"	96
7965 ± 80	5-15 cm	-268	"	"
6900 ± 100		-320	"	97
6590 ± 100	+ 80 m	-319	"	98
5350 ± 80	+ 6 m	-280	"	97
2990 ± 50	Surface	-353	"	98
2080 ± 50	+ 3.1 m	-352	"	"
1010 ± 60		-300	"	"
830 ± 50	Surface	-295	"	"
620 ± 60		-266	"	96
150 ± 70		-299	"	98
		VENEZUELA		
4500±80		Tx-2326	4	1095
4480±50		-2275	"	1094
3620±90		-2327	"	1095
3430±70		-2329	"	"
3380±50		-2328	"	"
3260±50		-2181	"	"
2840±80		-2280	"	"
1860±60		-2282	"	"
1500±50		-2283	"	"
1310±60		-2332	"	"
1170±80		-2274	"	1094
1040±60		-2278	"	1095
1020±60		-2276	"	1094
990±50		-2330	"	1095
970±70		-2277	"	"
620±70		-2331	"	"
310±100		-2325	"	"
Modern		-2279	"	"

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

Date	Depth	Sample No.	No.	Page
		ARABIAN OCEAN		
9435±145		BS-109	1	59
8395±145		-107	"	"
8380±140		-110	"	"
8300±135		-111	"	"
7845±130		-108	"	"
7470±135		-112	"	"
		ATLANTIC OCEAN		
$31,400^{+1650}_{-1450}$	55 cm	QC-249	4	1077
$29,500^{+1900}_{-1600}$	50 cm	-248	"	"
$27,200^{+1300}_{-1200}$	40 cm	-247	"	"
18,300 ± 660	46.8 cm	-317	"	"
10,850 ± 280	25 cm	-246	"	"
	GEOSECS	ML&QL	1	1-24
		BAHAMAS		
35,800±2200	99-101 cm	TX-2999	4	1090
30,600±2400	59-61 cm	-3004	"	1091
26,250 ± 680	140 cm	-3030	"	1092
26,500±1000	79-81 cm	-2998	"	1090
22,670 ± 290	110 cm	-3028	"	1092
21,260 ± 490	88 cm	-3031	"	"
20,880 ± 490	140 cm	-3032	"	"
17,210 ± 310	88 cm	-3029	"	"
13,880 ± 150	80 cm	-3034	"	"
12,260 ± 160	59-61 cm	-3003	"	1091
9970 ± 90	200 m	-3035	"	1092
8380 ± 110	295 m	-3033	"	"
8230 ± 260	424-427 cm	-3231	"	1093
6940 ± 80	420-422 cm	-3233	"	"
6550 ± 90	59-61 cm	-3003	"	1091
6510 ± 90	376-378 cm	-3234	"	1093
5840 ± 80	489-493 cm	-3229	"	"
4650 ± 70	405 m	-3027	"	1092
4410 ± 100	415-417 cm	-3230	"	1093
4120 ± 100	245-247 cm	-3232	"	"
4010 ± 60	39-41 cm	-2997	"	1090
3920 ± 90	310-313 cm	-3236	"	1093
3870 ± 60	88 cm	-3005	"	1091
3860 ± 60	19-21 cm	-3002	"	"
3800 ± 100	410-413 cm	-3235	"	1093
3610 ± 60	18.5-21.5 cm	-3000	"	1090
2040 ± 140	200-202 cm	-3240	"	1093
1970 ± 60	6-8 cm	-3001	"	1091
1940 ± 70	210-213 cm	-3242	"	1093
1790 ± 60	45-50 cm	-3006	"	1091
1640 ± 50	110-113 cm	-3238	"	1093
1190 ± 80	69-73 cm	-3237	"	"
1110 ± 70.	100-102 cm	-3241	"	"
1060 ± 50	10-13 cm	-3239	"	"
80 ± 40		-3008	"	1091
Ultra Modern		-3009	"	"
		MEDITERRANEAN SEA		
16,760±300	275-290 cm	UM-1825	4	1116
11,600±200	150-165 cm	-1801	"	"
10,500±200	5 cm	-1814	"	"
7390±110	92-107 cm	-1824	"	"
6110±100	3-10 cm	-1815	"	"
		PACIFIC OCEAN		
$31,900^{+2500}_{-1900}$	20-25 cm	UM-1780	4	1126
27,630 ± 350	20-25 cm	-1912	"	1128
24,290 ± 240	38-40 cm	-1861	"	"
23,700	19-21 cm	LJ-4301	"	1042
23,700 ± 310	36-38 cm	UM-1860	"	1128
22,890 ± 430	34-36 cm	-1859	"	"
20,330 ± 220	32-34 cm	-1858	"	"
20,300±2200	11-13 cm	LJ-4222	"	1042
19,180 ± 210	20-25 cm	UM-1894	"	1127
18,500±1900	7-9 cm	LJ-4221	"	1042
17,390 ± 350	7-10 cm	UM-1779	"	1126
17,320 ± 220	30-32 cm	-1857	"	1128
16,930 ± 220	28-30 cm	-1856	"	"

Date	Depth	Sample No.	No.	Page
		PACIFIC OCEAN (cont.)		
15,130 ± 160	26-28 cm	UM-1855	4	1128
14,130 ± 140	7-10 cm	-1911	"	"
14,000±1000	190-210 cm	LJ-4175	"	1042
13,740 ± 130	20-25 cm	UM-1909	"	1128
$13,700^{+690}_{-640}$	1-4 cm	-1778	"	1126
13,450 ± 140	20-25 cm	-1777	"	"
13,040 ± 190	20-25 cm	-1759	"	1125
12,645 ± 160	20-25 cm	-1765	"	1126
12,590 ± 120	24-26 cm	-1854	"	1128
12,500 ± 180	34-36 cm	LJ-4521	"	1042
12,070 ± 150	20-25 cm	UM-1906	"	1127
11,820 ± 120	22-24 cm	-1853	"	1128
11,800 ± 120	20-25 cm	-1768	"	1126
11,650 ± 150	20-25 cm	-1900	"	1127
11,580 ± 150	20-25 cm	-1771	"	1126
11,520 ± 170	20-25 cm	-1774	"	"
10,700 ± 600	5-7 cm	LJ-4223	"	1042
10,690 ± 150	20-25 cm	UM-1762	"	1125
9895 ± 120	20-25 cm	-1903	"	1127
9410 ± 90	1-5 cm	-1910	"	1128
9250 ± 110	20-22 cm	-1852	"	"
8930 ± 110	20-25 cm	-1897	"	1127
7800 ± 160	18-20 cm	-1851	"	1128
7880 ± 100	16-18 cm	-1850	"	"
7530 ± 220	1-4 cm	-1757	"	1125
7330 ± 90	14-16 cm	-1849	"	1128
7210 ± 90	7-10 cm	-1893	"	1127
6820 ± 100	12-14 cm	-1848	"	1128
6810 ± 420	7-10 cm	UM-1758	"	1125
6810 ± 70	18-20 cm	LJ-4520	"	1042
6800 ± 100	10-12 cm	-1847	"	1128
6580 ± 280	1-4 cm	-1763	"	1125
6500 ± 100	1-5 cm	-1892	"	1127
6340 ± 180	7-10 cm	-1776	"	1126
6320 ± 170	1-4 cm	-1760	"	1125
6030 ± 210	7-10 cm	-1767	"	1126
5960 ± 190	7-10 cm	-1764	"	1125
5950 ± 170	7-10 cm	-1761	"	"
5920 ± 100	7-10 cm	-1908	"	1128
5870 ± 90	7-10 cm	-1899	"	1127
5780 ± 150	1-4 cm	-1766	"	1126
5680 ± 150	20-25 cm	-1775	"	"
5620 ± 130	7-10 cm	-1770	"	"
5570 ± 90	7-10 cm	-1905	"	1127
5520 ± 220	1-4 cm	-1772	"	1126
5460 ± 110	7-10 cm	-1773	"	"
5210 ± 100	8-10 cm	-1846	"	1128
5040 ± 80	7-10 cm	-1902	"	1127
4850 ± 100	1-4 cm	-1769	"	1126
4710 ± 110	4-6 cm	-1844	"	1128
4680 ± 90	1-5 cm	-1898	"	1127
4400 ± 100	2-4 cm	-1843	"	1128
4400 ± 80	6-8 cm	-1845	"	"
4380 ± 110	7-10 cm	-1896	"	1127
4340 ± 70	1-5 cm	-1901	"	"
4250 ± 100	1-5 cm	-1907	"	1128
4200 ± 100	3-5 cm	LJ-4519	"	1042
4090 ± 70	0-2 cm	UM-1892	"	1128
4020 ± 80	1-5 cm	-1904	"	1127
3980 ± 70	0-3 cm	LJ-4518	"	1042
3700 ± 80	1-5 cm	UM-1895	"	1127
+45 ± 12‰	3800 m	LJ-4737	"	1043
+37 ± 8‰	3800 m	-4339	"	"
+27 ± 7‰	3800 m	-4338	"	"
	GEOSECS	ML&QL	1	25-53

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

https://doi.org/10.1017/S0033822200011656 Published online by Cambridge University Press

NOTICE TO READERS

Half life of ^{14}C. In accordance with the decision of the Fifth Radiocarbon Dating Conference, Cambridge, 1962, **all dates published in this volume (as in previous volumes) are based on the Libby value, 5570 ± 30 yr,** for the half life. This decision was reaffirmed at the 9th International Conference on Radiocarbon Dating, Los Angeles/La Jolla, 1976. Because of various uncertainties, when ^{14}C measurements are expressed as dates in years BP the accuracy of the dates is limited, and refinements that take some but not all uncertainties into account may be misleading. The mean of three recent determinations of the half life, 5730 ± 40 yr, (**Nature,** v 195, no. 4845, p 984, 1962), is regarded as the best value presently available. Published dates in years BP, can be converted to this basis by multiplying them by 1.03.

AD/BC Dates. In accordance with the decision of the Ninth International Radiocarbon Conference, Los Angeles and San Diego, 1976, the designation of AD/BC, obtained by subtracting AD 1950 from conventional BP determinations is discontinued in Radiocarbon. Authors or submitters may include calendar estimates as a comment, and report these estimates as AD/BC, citing the specific calibration curve used to obtain the estimate.

Meaning of $\delta^{14}C$. In Volume 3, 1961, we endorsed the notation Δ (Lamont VIII, 1961) for geochemical measurements of ^{14}C activity, corrected for isotopic fractionation in samples and in the NBS oxalic-acid standard. The value of $\delta^{14}C$ that entered the calculation of Δ was defined by reference to Lamont VI, 1959, and **was corrected for age.** This fact has been lost sight of, by editors as well as by authors, and recent papers have used $\delta^{14}C$ as the **observed** deviation from the standard. At the New Zealand Radiocarbon Dating Conference it was recommended to use $\delta^{14}C$ only for age-corrected samples. Without an age correction, the value should then be reported as percent of modern relative to 0.95 NBS oxalic acid. (Proceedings 8th Conference on Radiocarbon Dating, Wellington, New Zealand, 1972). The Ninth International Radiocarbon Conference, Los Angeles and San Diego, 1976, recommended that the reference standard, 0.95 times NBS oxalic acid activity, be normalized to $\delta^{13}C = -19‰$.

In several fields, however, age corrections are not possible. $\delta^{14}C$ and Δ, uncorrected for age, have been used extensively in oceanography, and are an integral part of models and theories. For the present, therefore, we continue the editorial policy of using Δ notations for samples not corrected for age.

Citations. A number of radiocarbon dates appear in publications without laboratory citation or reference to published date lists. We ask that laboratories remind submitters and users of radiocarbon dates to include proper citation (laboratory number and date-list citation) in all publications in which radiocarbon dates appear.

Radiocarbon Measurements: Comprehensive Index, 1950 1965. This index, covering all published ^{14}C measurements through Volume 7 of RADIOCARBON, and incorporating revisions made by all laboratories is available to all subscribers to RADIOCARBON at $10.00 US per copy.

Publication schedule. Beginning with Volume 15, RADIOCARBON has been published in three issues: Winter, Spring, and Summer. Contributors who meet our deadlines will be given priority but publication is not guaranteed in the following issue.

List of laboratories. The comprehensive list of laboratories at the end of each volume now appears in the third number of each volume. For Volume 22, the list of laboratories will appear at the end of No. 4.

Index. All dates appear in index form at the end of the third number of each volume. Starting with Volume 22, RADIOCARBON is publishing a new type of index which will be organized in chronologic order, according to sample type, and by geographic distribution. The editors of RADIOCARBON believe that this practice will serve a more useful function. Our readers are encouraged to make further suggestions.

Vol 22, No. 4 Radiocarbon 1980

CONTENTS