

INDEX
Volume 28, Nos. 1 to 3, 1986
ARCHAEOLOGIC SAMPLES

Date	Culture or Period	Sample No.	No.	Page	Date	Culture or Period	Sample No.	No.	Page
ALGERIA					BULGARIA				
7560 ± 170	Epipaleolithic	Gif-3413	1	25	2470 ± 60	Archaic period	Lu-2409	3	1131
7130 ± 170	Misassoc	-2600	"	26	CAMEROON				
7090 ± 170	Epipaleolithic	-2650	"	25	Sao I				
7070 ± 170	"	-3412	"	"	2800 ± 110	"	-4934	1	31
6950 ± 170	"	-2649	"	"	2340 ± 100	"	-4821	"	"
6810 ± 330	Early Neolithic	-5116	"	24	1340 ± 90	Sao II	-4933	"	"
6680 ± 170	Epipaleolithic	-2651	"	25	850 ± 90	"	-4932	"	"
6080 ± 150	Neolithic	-3409	"	"	650 ± 80	"	-4151	"	"
5810 ± 150	"	-3408	"	"	620 ± 80	"	-4504	"	"
5390 ± 140	"	-3411	"	"	580 ± 80	"	-4149	"	"
4490 ± 140	"	-3410	"	"	520 ± 80	"	-4152	"	"
2560 ± 100	Protohistoric	-2900	"	"	500 ± 60	Sao I	-4820	"	"
1110 ± 100	"	-3324	"	"	150 ± 80	Sao II	-4150	"	"
1050 ± 100	"	-2898	"	"	Modern	"	-4148	"	"
930 ± 100	"	-3325	"	"	CHAD				
570 ± 90	"	-3258	"	"	2360 ± 100	Iron Age	-4202	1	30
ARGENTINA					1580 ± 100	"	-4194	"	"
730 ± 60	Middle Sunchituyo	Gif-2309	1	32	1540 ± 90	"	-4201	"	"
670 ± 60	"	-2308	"	"	1500 ± 100	"	-2611	"	29
590 ± 60	"	-2310	"	"	1500 ± 100	"	-2612	"	"
BRAZIL					1480 ± 100	"	-4193	"	30
>25,000	Rupestal paintings	Gif-3725	1	34	1410 ± 100	"	-4197	"	"
22,410 ± 400	"	-3908	"	"	1400 ± 100	"	-4195	"	"
15,300 ± 400	"	-3905	"	"	1340 ± 100	"	-2896	"	"
12,960 ± 300	"	-3906	"	"	1250 ± 90	"	-4200	"	"
11,680 ± 500	"	-3726	"	"	1230 ± 100	"	-4198	"	"
10,200 ± 220	"	-3727	"	"	1170 ± 90	"	-4199	"	"
9580 ± 200	"	-3208	"	"	730 ± 90	"	-2613	"	29
9500 ± 200	"	-2737	"	35	670 ± 100	"	-4196	"	30
8640 ± 180	"	-2542	"	"	630 ± 90	"	-2895	"	29
8490 ± 160	Rupestal paintings	-3216	"	34	320 ± 90	Sao III	-2786	"	30
7600 ± 160	"	-2548	"	35	320 ± 90	"	-2785	"	31
7560 ± 160	"	-2547	"	"	260 ± 90	"	-2784	"	30
6950 ± 140	Rupestal paintings	-3217	"	34	Modern	Misassoc	-2787	"	31
6830 ± 150	"	-3207	"	"	DENMARK				
5400 ± 500	"	-3907	"	"	600 ± 50	Medieval	Lu-2467	3	1131
5120 ± 130	"	-3214	"	"	540 ± 50	"	-2468	"	"
4670 ± 130	Open air site	-2738	"	35	100 ± 50	Modern	-2469	"	"
4550 ± 130	Rupestal paintings	-3213	"	33	ECUADOR				
4400 ± 120	"	-2544	"	"	ISGS				
4350 ± 120	"	-3215	"	"	7180 ± 80	Jambeli	- 471	1	105
4170 ± 120	"	-2543	"	"	5620 ± 250	Valdivia	- 448	"	106
3750 ± 110	"	-3209	"	"	5220 ± 80	Jambeli	- 472	"	105
3740 ± 110	"	-2733	"	"	4760 ± 120	Valdivia	- 468	"	106
3720 ± 120	"	-2545	"	33	"	"	- 452	"	"
3660 ± 110	"	-2734	"	"	4700 ± 300	"	- 275	"	105
3600 ± 120	Beginning of Ceramics	-2546	"	35	4700 ± 80	"	-478A	"	107
3580 ± 130	Rupestal paintings	-3210	"	33	4510 ± 100	"	-478B	"	"
3430 ± 130	"	-3219	"	"	4460 ± 100	"	-478C	"	"
3370 ± 110	"	-3218	"	"	4390 ± 80	Valdivia	- 466	"	106
3260 ± 110	"	-3211	"	"	4260 ± 80	"	- 446	"	"
3070 ± 110	"	-3221	"	"	4140 ± 190	"	- 467	"	"
2090 ± 110	Rockshelter	-3223	"	32	4160 ± 80	"	- 385	"	"
1880 ± 140	Rupestal paintings	-3220	"	33	4110 ± 80	"	- 439	"	"
1700 ± 100	Open air site	-2731	"	35	3480 ± 80	"	- 274	"	105
1690 ± 110	"	-3225	"	32	2230 ± 70	"	WIS-1632	3	1212
1620 ± 100	Rupestal paintings	-3222	"	33	1880 ± 70	"	-1635	"	1213
1230 ± 90	Cave	-3910	"	32	1830 ± 70	"	-1633	"	"
930 ± 90	Open air site	-2730	"	35	1820 ± 70	"	-1634	"	"
740 ± 90	Rockshelter	-3909	"	32	600 ± 80	Valdivia	ISGS-384	1	106
320 ± 80	Rupestal paintings	-2735	"	33	390 ± 80	"	WIS-1689	3	1213
300 ± 110	"	-2732	"	"	360 ± 110	"	-1636	"	"
BELGIUM					340 ± 70	"	-1691	"	"
12,120 ± 140	Late Bölling or Alleröd	IRPA	"	"	320 ± 70	"	-1688	"	"
8890 ± 100	Mesolithic	- 577	1	75	290 ± 70	"	-1690	"	"
5510 ± 100	Younger than Mesolithic	- 633	"	76	EGYPT				
4930 ± 70	"	- 576	"	75	Ramses II Mummy				
4600 ± 70	"	-607B	"	76	3040 ± 60	"	Gif-4018	1	24
3440 ± 60	Late Bronze/Early Iron	-607A	"	"	2840 ± 60	"	-4019	"	"
2490 ± 60	"	- 609	"	"	FRANCE				
2150 ± 50	Roman	- 578	"	"	>36,000	Mousterian	Gif-4584	1	18
2050 ± 60	"	- 611	"	"	>35,000	Aurignacian I	-4279	"	"
1780 ± 60	La Tène	- 610	"	"	>35,000	Mousterian	-4584	"	"
1400 ± 60	Carolingian	- 586	"	77	>35,000	No assoc	-2553	"	22
660 ± 50	"	- 584	"	76	>31,250	Late Aurignacian	-4278	"	17
550 ± 50	"	- 608	"	77	31,300 ± 300	Aurignacian II	-4277	"	"
410 ± 50	Middle Age	- 605	"	"	28,800 ± 1500	"	-2427	"	"
		- 583	"	76					

Date	Culture or Period	Sample No.	No. Page	Date	Culture or Period	Sample No.	No. Page
FRANCE (continued)				FRANCE (continued)			
28,700 ± 250	Aurignacian III	Gif-4271	1 17	2400 ± 110	La Tène Age	Gif-2742	1 13
27,500 ± 280	Aurignacian II	-4274	" "	2320 ± 100	Megalithic, re-use	-2566	" 20
27,100 ± 320	"	-4275	" "	2260 ± 90	Souterrain, Iron Age	-3204	" 11
26,750 ± 250	"	-4273	" "	2230 ± 100	Megalithic, re-use	-2828	" 12
26,100 ± 210	Aurignacian III	-4266	" 16	2140 ± 100	First Iron Age	-2461	" 15
25,500 ± 250	"	-4272	" 17	2120 ± 90	Metallurgy, Roman	-3205	" 11
24,600 ± 550	Perigordian V	-2698	" 16	2100 ± 70	Hallstatt	-2513	" 19
24,300 ± 400	Mousterian	-4585	" 18	2070 ± 90	First Iron Age	-3283	" 13
24,000 ± 550	Perigordian V	-2696	" 16	1950 ± 90	Iron Age	-3206	" 11
23,700 ± 250	Aurignacian IV	-4264	" "	1900 ± 90	Late Hallstatt	-2301	" 21
23,700 ± 240	Aurignacian III	-4269	" 17	1820 ± 100	First Iron Age	-2741	" 13
23,600 ± 550	Aurignacian IV	-2701	" 16	1770 ± 100	Roman	-2419	" 14
23,000 ± 240	Aurignacian III	-4270	" 17	1620 ± 90	Chalcolithic	-3203	" 11
22,700 ± 240	"	-4268	" "	1530 ± 100	High Middle Age	-2463	" "
22,500 ± 500	Perigordian V	-2699	" 16	1510 ± 100	Megalithic, re-use	-2567	" 20
22,500 ± 500	"	-2700	" 17	1420 ± 90	Merovingian	-3799	" 9
22,200 ± 650	Aurignacian III-IV	-4265	" "	1380 ± 90	Gold workings	-2745	" 10
21,100 ± 170	Aurignacian III	-4267	" 16	1340 ± 70	Medieval	-2307	" "
17,100 ± 450	Upper Magdalenian	-3038	" 15	1270 ± 100	Iron Metallurgy	-2290	" "
15,400 ± 400	"	-2672	" 14	1200 ± 100	High Middle Age	-2726	" 21
15,180 ± 130	Assoc Aurignacian II	-2428	" 17	1200 ± 90	Souterrain, High Middle Age	-2455	" 10
12,800 ± 170	Upper Magdalenian	-3492	" 15				
12,380 ± 280	"	-2671	" 14	1170 ± 90	First Iron Age	-2462	" 15
12,160 ± 160	Late Magdalenian-Azilian	-2258	" 19	1150 ± 90	Megalithic	-2312	" "
11,150 ± 120	Aurignacian IV	-4263	" 16	1120 ± 90	Middle Age	-2418	" 19
11,030 ± 140	Late Magdalenian	-2537	" 14	1050 ± 90	Medieval	-2646	" 14
10,990 ± 160	"	-3580	" "	1010 ± 90	Ancient Bridge	-2457	" 12
10,180 ± 160	"	-3579	" "	<90	Megalithic, re-use	-2870	" 20
9830 ± 180	Azilian	-2570	" 16	980 ± 90	High Middle Age	-2727	" 21
9310 ± 60	Sauveterrian	KN-I.390	138	970 ± 90	Ancient Bridge	-2456	" 12
9110 ± 150	"	-1.389	" "	860 ± 60	Middle Age	-3738	" 14
8830 ± 70	"	-1.387	" "	850 ± 90	High Middle Age	-2725	" 21
8730 ± 60	"	-1.386	" "	850 ± 90	Roman	-3961	" 9
8520 ± 150	Misassoc	Gif-2705	20	840 ± 90	High Middle Age	-2601	" 20
7670 ± 60	Sauveterrian	KN-I.058	138	810 ± 90	Medieval	-2645	" 14
7060 ± 160	Montadian	-1.157	139	710 ± 90	High Middle Age	-2622	" 20
6650 ± 140	Early Neolithic	Gif-2325	20	580 ± 90	Medieval	-2403	" 10
6430 ± 140	"	-2324	" "	550 ± 110	Middle Age	-2332	" 9
5900 ± 140	Cardial Neolithic	-2749	" "				
5490 ± 120	Megalithic-Neolithic	-2826	" 12				
5410 ± 140	Cardial	-2747	" 19				
5200 ± 90	Misassoc	-2901	" 12				
5140 ± 100	Megalithic	-3099	" 11	7020 ± 170	Middle Neolithic	Gif-2628	1 23
4860 ± 130	Neolithic	-2773	" 10	6720 ± 160	"	-2630	" "
4790 ± 130	"	-2772	" "	6370 ± 170	"	-2627	" "
4610 ± 110	Megalithic-Neolithic	-2454	" 12	6250 ± 160	"	-2629	" "
4550 ± 130	Neolithic	-2774	" 10	5950 ± 150	Neolithic	-2538	" "
4400 ± 110	"	-4369	" 21	5840 ± 150	"	-2539	" "
4280 ± 140	Late Bronze III	-2638	" 21	5680 ± 150	"	-2541	" "
4260 ± 110	Early Bronze Artencac	-3285	" 13	3060 ± 100	Bronze Age	-2452	" "
4250 ± 140	Neolithic	-2617	" 16	270 ± 70	Historic	Wis-1672	3 1213
4230 ± 140	"	-2618	" "				
4220 ± 140	"	-2637	" 21				
4170 ± 80	"	-2514	" 19				
4150 ± 130	"	-2743	" 13	3030 ± 230	GUATEMALA		
4140 ± 140	Late Neolithic	-2384	" 15	AD 1350-1524	Tx-3821	3 1196	
4060 ± 120	Megalithic	-2827	" 12	AD 700-900	-3828	" 1197	
3980 ± 110	"	-2453	" "	AD 1350-1524	-3824	" "	
3960 ± 140	Neolithic	-3597	" 19	AD 700-900	-3830	" "	
3930 ± 110	Early Bronze Age	-3201	" 11	AD 700-800	-3845	" 1198	
3840 ± 80	Neolithic	-2515	" 19	AD 700-900	-3846	" "	
3660 ± 150	Late Chalcolithic	-3596	" 15	AD 700-900	-3838	" 1197	
3640 ± 100	Bronze Age	-3202	" 11	AD 1350-1524	-3814	" 1196	
3620 ± 80	Late Neolithic	-2516	" 19	AD 700-800	-3840	" 1198	
3520 ± 110	Middle Bronze Age	-3793	" 15	AD 1350-1524	-3825	" 1197	
3210 ± 110	Cardial	-2748	" 19	"	-3823	" "	
3190 ± 100	Late	-2451	" 10	"	-3837	" 1197	
	Neolithic-Tardenoisian			"	-3842	" 1198	
3170 ± 100	Middle Bronze Age II-III	-4127	" 13	"	-3843	" "	
3040 ± 110	Middle Bronze-Late	-2739	" "	"	-3834	" 1197	
	Bronze Age			"	-3832	" "	
3010 ± 100	Late	-2450	" 10	"	-3844	" 1198	
	Neolithic-Tardenoisian			"	-3841	" "	
2940 ± 100	Late Bronze III	-4678	" 13	"	-3818	" 1196	
2860 ± 100	Megalithic	-3200	" 11	"	-3829	" 1197	
2820 ± 110	Late Bronze Age	-2740	" 13	"	-3835	" "	
	"Venat Group"			"	-3833	" "	
2800 ± 70	No Assoc	-2347	" 12	"	-3820	" 1196	
2740 ± 110	Late Bronze Age	-2656	" 21	"	-3831	" 1197	
2730 ± 100	Late Bronze Age-Hallstatt	-3775	" 13	"	-3822	" 1196	
2670 ± 100	"	-3284	" "	"	-3815	" "	
2610 ± 90	First Iron Age	-4677	" "	"	-3816	" "	
2550 ± 110	Middle Hallstatt	-2639	" 21	"	-3817	" "	
2540 ± 120	Middle Bronze Age	-3595	" 15	"	-3813	" "	
				"	-3836	" 1197	
				"	-3826	" 1196	

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HONDURAS					JAPAN (continued)				
1620 ± 80		ISGS-576	1	103	5620 ± 25	Early Jomon Age	KSU- 358	"	1099
1430 ± 100		-625	"	"	5520 ± 20	Jomon Age	- 141	"	1090
IRAQ					5510 ± 20	"	- 101	"	"
6070 ± 270	Ubaid	LOD-183	3	1105	5500 ± 45	"	- 399	"	1091
5780 ± 260	"	-184	"	"	5500 ± 40	"	-1020	"	1093
IRELAND					5490 ± 70	"	- 123	"	1091
5680 ± 60	Mesolithic	Lu-2223	1	162	5480 ± 35	Early Jomon Age	- 360	"	1099
5210 ± 60	"	-2224	"	163	5460 ± 30	Jomon Age	- 102	"	1091
4250 ± 60	Middle Neolithic	-2239	"	162	5450 ± 450	Late Jomon Age	- 374	"	1099
2980 ± 60	Bronze Age	-2225	"	"	5450 ± 20	Jomon Age	- 134	"	1090
ITALY					5440 ± 40	"	- 405	"	1091
2430 ± 80	Archaic	ISGS-554	1	103	5330 ± 30	"	-1013	"	1093
JAPAN					5220 ± 35	"	-1012	"	1092
25,320 ± 1010	Stone Age	KSU			5200 ± 40	"	-1021	"	1093
25,300 ± 3500		- 370	3	1098	5170 ± 90	"	- 376	"	1099
- 2000		- 673	"	1097	5170 ± 30	"	-1019	"	1093
24,000 ± 4000		- 550	"	"	5150 ± 40	"	- 347	"	1096
- 3000					5130 ± 100	"	- 427	"	1091
23,400 ± 500		- 612	"	"	4790 ± 25	"	- 419	"	"
22,300 ± 800		- 671	"	"	4060 ± 110	"	- 377	"	1100
22,100 ± 800		- 672	"	"	3970 ± 35	Middle Jomon Age	- 367	"	1098
18,400 ± 230		- 568	"	"	3920 ± 180	"	- 581	"	1100
16,060 ± 980	Late Stone Age	- 334	"	1096	3900 ± 120	Middle/Late Jomon	- 580	"	"
14,410 ± 2090	Stone Age	- 372	"	1099	3860 ± 40	Middle Jomon	- 379	"	"
12,100 ± 130	Jomon Age	- 477	"	1092	3820 ± 60	"	- 380	"	"
12,100 ± 100	"	- 471	"	"	3780 ± 50	Jomon Age	- 571	"	1092
11,900 ± 110	"	- 478	"	"	3740 ± 40	Middle Jomon Age	- 559	"	1100
11,870 ± 50	"	-1031	"	1094	3680 ± 35	Jomon Age	- 572	"	1092
11,850 ± 100	"	- 485	"	1092	3660 ± 60	Late Jomon Age	- 457	"	1090
11,830 ± 60	"	-1028	"	1094	3640 ± 40	Jomon Age	- 412	"	1097
11,800 ± 60	"	-1029	"	"	3600 ± 80	"	- 378	"	1100
11,730 ± 50	"	-1018	"	"	3530 ± 20	"	- 586	"	"
11,700 ± 60	"	-1030	"	"	3510 ± 100	Late Jomon Age	- 375	"	1099
11,500 ± 100	"	- 484	"	1092	3480 ± 25	"	- 415	"	1098
11,470 ± 70	"	- 400	"	"	3310 ± 30	Late Jomon Age	- 414	"	"
11,100 ± 800	"	- 639	"	1097	3250 ± 80	"	- 584	"	1099
10,770 ± 160	"	-1027	"	1094	3200 ± 120	"	- 585	"	"
10,700 ± 900	"	- 638	"	1097	3170 ± 260	"	- 582	"	1100
10,320 ± 60	"	- 404	"	1091	2940 ± 10	Late/Final Jomon	- 16	"	1089
10,300 ± 200	Microolith/Jokon-mon	- 276	"	1095	2910 ± 45	Final Jomon	- 368	"	1099
10,290 ± 45	Jomon Age	-1017	"	1094	2780 ± 25	"	- 283	"	1096
10,270 ± 45	"	-1025	"	1093	2760 ± 35	"	- 288	"	"
10,160 ± 150	Microolith/Jokon-mon	- 277	"	1095	2740 ± 35	"	- 282	"	"
10,130 ± 45	Jomon Age	-1026	"	1093	2740 ± 30	"	- 284	"	"
10,080 ± 60	"	- 397	"	1091	2730 ± 20	"	- 40	"	1089
10,070 ± 60	"	-1015	"	1093	2690 ± 50	"	- 287	"	1096
10,070 ± 45	"	-1016	"	"	2600 ± 40	Yayoi Age	- 216	"	1095
9780 ± 60	"	- 361	"	1091	2590 ± 15	Final Jomon	- 299	"	1096
9170 ± 50	"	- 388	"	1092	2470 ± 20	Yayoi Age	- 14	"	1089
9120 ± 80	"	-1024	"	1093	2460 ± 30	"	- 18	"	1088
8970 ± 120	"	- 382	"	1092	2380 ± 20	Final Jomon	- 213	"	1095
8840 ± 200	"	- 464	"	1101	2340 ± 15	"	- 286	"	1096
8730 ± 130	"	- 462	"	"	2320 ± 50	Yayoi Age	- 13	"	1089
8730 ± 90	"	- 472	"	"	2180 ± 15	"	- 426	"	1098
8340 ± 20	"	- 92	"	1091	2170 ± 30	"	- 41	"	1088
8330 ± 45	"	-1023	"	1093	2170 ± 15	"	- 15	"	1089
8190 ± 300	"	- 389	"	1092	2141 ± 15	"	- 51	"	1088
8130 ± 30	"	- 409	"	"	2120 ± 15	"	- 183	"	1089
7590 ± 50	"	- 354	"	1096	2050 ± 10	"	- 31	"	1088
7510 ± 50	"	- 385	"	1097	2040 ± 60	"	- 211	"	1101
7450 ± 400	Jomon Age	- 583	"	1100	2040 ± 50	Yayoi Age	- 191	"	1089
7370 ± 200	"	- 463	"	"	2030 ± 20	"	- 17	"	1088
7310 ± 140	"	- 454	"	"	2020 ± 15	"	- 61	"	"
7310 ± 20	Jomon Age	- 346	"	1096	2000 ± 10	Final Jomon	- 304	"	1095
7250 ± 60	"	-1022	"	1093	1960 ± 20	Late Yayoi Age	- 182	"	1090
7010 ± 30	"	- 395	"	1092	1900 ± 20	Early Kofun Age	- 429	"	1098
6880 ± 35	Early Jomon Age	- 215	"	1095	1890 ± 30	Kofun Age	- 194	"	1094
6510 ± 45	Jomon Age	- 337	"	1096	1880 ± 30	Yayoi Age	- 12	"	1088
6470 ± 45	"	- 411	"	1097	1880 ± 15	"	- 66	"	"
6400 ± 50	"	- 353	"	1096	1870 ± 15	Late Yayoi Age	- 355	"	1098
6170 ± 20	"	- 93	"	1091	1860 ± 40	"	- 207	"	1089
6140 ± 20	"	- 98	"	"	1850 ± 20	Late Yayoi Age	- 362	"	1098
5910 ± 30	"	-1014	"	1093	1780 ± 20	Kofun Age	- 540	"	1095
5850 ± 60	"	- 384	"	1097	1760 ± 50	"	- 229	"	1094
5810 ± 25	"	- 154	"	1090	1750 ± 20	Late Yayoi/Early Kofun	- 356	"	1098
5800 ± 20	"	- 94	"	"	1750 ± 15	Kofun Age	- 269	"	1095
5780 ± 200	"	- 396	"	1091	1750 ± 10	"	- 268	"	"
5760 ± 100	"	- 95	"	1090	1710 ± 15	"	- 125	"	1089
5670 ± 30	"	- 118	"	"	1670 ± 15	Middle Kofun Age	- 239	"	1090
					1620 ± 30	"	- 238	"	1089
					1580 ± 40	"	- 240	"	1090
					1580 ± 15	"	- 181	"	1089
					1400 ± 25	"	- 210	"	1101
					1380 ± 70	Kofun Age	- 235	"	1094

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JAPAN (continued)				MEXICO (continued)			
1290 ± 40	Nara Age	KSU- 227	3 1094	2250 ± 100	Early Tezoloc	Tx-2150	3 1193
1280 ± 35	Late Kofun Age	- 223	" 1089	2250 ± 60	Late Classic	-2228	" 1194
1270 ± 30		- 209	" 1101	2230 ± 80	Late Tezoloc	-2248	" 1191
1260 ± 70		- 220	" 1094	2230 ± 60	Early Tenayecac	-2137	" 1190
1260 ± 40		- 192	" 1101	2200 ± 170		-2153	" 1193
1220 ± 30		- 193	" 1087	2180 ± 80	Early Tezoquipan	-2958	" 1194
1200 ± 15		- 189	" "	2180 ± 60	Tezoquipan	-2164	" "
1190 ± 20		- 185	" "	2170 ± 140	Early Tezoloc	-2147	" 1193
1140 ± 25		- 365	" 1099	2150 ± 80	Early Tezoquipan	-2956	" 1194
1050 ± 20	Heian Age	- 308	" 1088	2130 ± 140	Tezoloc	-2949	" 1191
930 ± 25	Late Heian/Kamakura	- 208	" 1090	2100 ± 50	Mixteca-Puebla	-2930	" 1195
920 ± 25	Heian Age	- 307	" 1087	1990 ± 50	Early Tenayecac	-2941	" 1191
810 ± 20	Kamakura Age	- 184	" "	1980 ± 60	Tezoquipan	-2960	" 1194
370 ± 90	Azuchi-Momoyama Age	- 281	" "	1970 ± 80	Early Tezoquipan	-2957	" "
350 ± 30	Historic	- 104	" "	1960 ± 70	"	-2954	" "
340 ± 7	"	- 28	" "	1960 ± 70	"	-2955	" "
320 ± 30	"	- 29	" "	1940 ± 60	Early Tenayecac	-2143	" 1190
230 ± 15	Azuchi-Momoyama	- 280	" "	1870 ± 100	Early Tezoquipan	-2945	" 1191
230 ± 15	"	- 279	" "	1860 ± 100	"	-2152	" 1193
190 ± 45	"	- 369	" 1099	1860 ± 40	Early Tenayecac	-2943	" 1191
LESOTHO				1840 ± 60	"	-2139	" 1190
MSA				1830 ± 60	"	-2160	" 1192
45,000 ± 2600		Pta- 936	3 1146	1820 ± 90	"	-2151	" 1193
>43,000	"	- 760	" "	1820 ± 600	Early Tenayecac	-2141	" 1190
42,500 ± 2500	"	- 771	" 1145	1810 ± 60	Tezoquipan-Tenayecac transition	-2239	" "
42,000 ± 2100	"	-1330	" 1144	1780 ± 50	Early Tenayecac	-2138	" "
42,000 ± 1700	"	-1534	" "	1700 ± 80	"	-2144	" 1193
40,200 ± 1650	"	-1370	" "	1690 ± 130	"	-2142	" 1190
38,800 ± 2200	"	- 741	" 1145	1690 ± 70	Teotihuacán	-2250	3 1192
37,000 ± 1050	"	-1372	" "	1670 ± 80	Tezoquipan	-2244	" 1193
35,800 ± 920	"	-1331	" 1144	1670 ± 50	Mixteca-Puebla	-2232	" 1195
33,800 ± 960	"	-1369	" "	1580 ± 40	Early Tenayecac	-2240	" 1191
33,100 ± 600	"	-1408	" "	1560 ± 50	"	-2242	" "
32,200 ± 770	"	- 785	" 1147	1550 ± 90	Tezoquipan	-2235	" 1195
30,900 ± 550	"	- 787	" "	1550 ± 60	Late Classic	-2227	" 1194
30,400 ± 560	"	-1371	" 1145	1540 ± 60	Early Tenayecac	-2140	" 1190
28,900 ± 520	Terminal MSA	- 920	" 1147	880 ± 70	Tlaxcala phase	-2165	" 1192
20,900 ± 270	LSA	- 789	" 1146	790 ± 50	Tezoquipan	-2238	" 1195
20,200 ± 230	LSA (Pre-Wilton)	- 919	" "	700 ± 80	Tetla	ISGS-508	1 102
20,000 ± 150	LSA	-1407	" 1144	680 ± 110	Tezoquipan	Tx-2236	3 1195
20,000 ± 170	"	-1406	" "	610 ± 60	Mixteca-Puebla	-2231	" "
19,900 ± 220	"	- 918	" 1146	600 ± 80	Tetla	ISGS-509	1 102
19,700 ± 150	"	-1367	" 1144	580 ± 110	Late Classic	Tx-2229	3 1195
13,000 ± 140	"	- 884	" 1146	480 ± 60	Tezoquipan	-2237	" "
2180 ± 45	"	- 319	" 1145	MOROCCO			
1440 ± 40	"	-1364	" 1144	2790 ± 110	Engrave	Gif-2652	1 26
1400 ± 50	"	- 885	" 1146	1310 ± 90	Protohistoric	-2560	" "
260 ± 45	"	- 314	" 1145	1240 ± 90	Copper working	-2420	" "
MAURITANIA				NIGER			
4850 ± 130	Neolithic	Gif-2552	1 26	>38,000	Misassoc	Gif-2939	1 29
3120 ± 100	"	-2551	" "	5380 ± 130	Neolithic	-3057	" "
2030 ± 100	"	-2550	" "	5240 ± 140	"	-2934	" 28
1400 ± 90	Medieval	-2769	" "	4960 ± 130	"	-3519	" 29
MEXICO				4950 ± 150	"	-3521	" "
2840 ± 270	Late Tezoloc/early Tezoquipan	Tx-2145	3 1193	4840 ± 130	"	-3518	" "
2830 ± 180	Tezoloc	-2233	" 1195	4650 ± 130	"	-2933	" 28
2760 ± 130	Early Tezoloc	-2155	" 1191	4540 ± 130	"	-2936	" 29
2740 ± 520	Tezoquipan	-2162	" 1192	4220 ± 110	"	-3516	" 28
2710 ± 90	Middle Tezoloc	-2158	" "	4150 ± 110	"	-3517	" "
2600 ± 1340	Tezoloc	-2161	" "	4040 ± 110	"	-2937	" 29
2550 ± 1020	Early Tezoloc	-2146	" 1193	3410 ± 100	"	-2938	" "
2530 ± 110	Initial Tezoquipan	-2154	" 1191	2290 ± 110	"	-2935	" 28
2530 ± 100	Early Tezoloc/Late Tezoloc	-2247	" "	1430 ± 100	Iron metallurgy	-2595	" "
2490 ± 80	Early Tezoquipan	-2261	" 1194	1420 ± 100	"	-2599	" "
2480 ± 70	Tezoquipan-Tenayecac transition	-2163	" 1192	1360 ± 100	"	-2596	" "
2470 ± 80	Tezoloc	-2246	" 1191	1310 ± 100	"	-2597	" "
2460 ± 80	Texcalac	-2166	" 1192	1160 ± 100	"	-2598	" "
2390 ± 50	Tezoloc	-2234	" 1195	720 ± 90	Medieval	-2594	" "
2360 ± 70	Early Tezoquipan	-2259	" 1194	510 ± 90	"	-2593	" "
2350 ± 100	Early Tezoquipan/Late Tezoloc	-2253	" "	400 ± 80	Metallurgy	-3525	" 27
2330 ± 100	Early Tezoloc	-2148	" 1193	350 ± 80	Medieval	-3524	" "
2310 ± 90	Late Tezoquipan	-2251	" 1194	330 ± 80	Metallurgy	-3526	" "
2280 ± 100	Tezoquipan	-2252	" "	250 ± 80	Medieval	-3523	" "
2280 ± 80	Late Tlatempa	-2149	" 1193	230 ± 80	Historic	-3522	" "
2260 ± 200	Early Tezoloc	-2159	" 1192	200 ± 80	"	-3527	" "
PAKISTAN				4300 ± 70	500cm	WIS-1697	3 1214
				4190 ± 70	400cm	-1698	" "
				4180 ± 70	220cm	-1699	" "

Date	Culture or Period	Sample No.	No. Page	Date	Culture or Period	Sample No.	No. Page
SOUTH AFRICA (continued)				SOUTH AFRICA (continued)			
6840 ± 70	LSA (Wilton)	-3425	3 1168	760 ± 40	SA	-3847	3 1169
6650 ± LSA	"	-3455	" 1153	750 ± 50	LSA	-3243	" 1156
6550 ± 70	"	-3508	" "	700 ± 60	IA	-1060	" 1158
5970 ± 70	LSA (Early Wilton)	-2545	" 1165	670 ± 40	MIA	-2601	" 1159
5930 ± 50	LSA	-2140	" 1164	570 ± 45	LSA	-1507	" 1171
5800 ± 70	LSA (Wilton)	-3427	" 1167	500 ± 50	LSA/IA	-3684	" 1155
5760 ± 70	LSA	-3460	" 1153	500 ± 45	IA	- 703	" 1149
5690 ± 70	"	-3585	" 1156	480 ± 45	"	-1318	" 1150
5460 ± 70	"	-2791	" 1163	470 ± 40	LSA/IA	-3848	" 1155
5180 ± 70	LSA (Early Wilton Climax)	-2544	" 1165	440 ± 60	IA	- 715	" 1149
5060 ± 60	LSA	-2789	" 1163	340 ± 45	"	- 777	" "
4900 ± 60	"	-3246	" 1154	330 ± 45	LSA/IA	-3851	" 1155
4890 ± 70	"	-2797	" 1166	310 ± 30	Herder	- 360	" 1169
4710 ± 70	"	-2448	" 1164	280 ± 40	LSA	- 345	" 1161
4590 ± 70	"	-3276	" 1153	170 ± 50	IA	-3584	" 1155
4390 ± 70	"	-3505	" "	170 ± 50	LSA	-1196	" 1171
4330 ± 60	"	-3245	" 1156	170 ± 45	IA	- 870	" 1149
4240 ± 60	LSA (Late Climax Wilton)	-2541	" 1165	120 ± 45	LSA/IA	-3669	" 1153
4140 ± 70	LSA	-2889	" 1170	100 ± 50	"	-3107	" 1160
4000 ± 60	"	-1061	" 1158	70 ± 60	Herder	-1357	" 1171
3990 ± 60	"	-2785	" 1166				
3950 ± 70	"	-3275	" 1152				
3870 ± 60	LSA (Late Wilton)	- 823	" 1158				
3850 ± 60	LSA	-3764	" 1154	15,840 ± 1060	Paleolithic	UGRA-139	3 1201
3840 ± 60	"	-4135	" 1159	12,060 ± 150	"	-147	" "
3730 ± 60	"	-3563	" 1148	11,200 ± 200	Late Paleolithic	Gif-3742	1 22
3680 ± 60	"	-1508	" 1163	7620 ± 140	Mesolithic	-3741	" "
3440 ± 60	"	-2893	" 1169	6780 ± 130	Early Neolithic	-2368	" "
3380 ± 60	"	- 681	" 1171	5840 ± 210	Copper Age	UGRA-204	3 1202
3360 ± 110	"	-3110	" 1161	5500 ± 130	"	-198	" "
3360 ± 60	"	-2728	" 1167	5480 ± 120	Early Neolithic	Gif-5422	1 22
3280 ± 60	LSA (Wilton)	- 293	" 1162	5470 ± 130	Copper Age	UGRA-177	3 1202
3190 ± 60	LSA	-3269	" 1152	5400 ± 100	Catalonian dolmen	-148	" 1203
3110 ± 60	"	-1065	" 1170	5370 ± 100	Copper Age	-161	" 1201
3080 ± 60	"	-2888	" 1169	5240 ± 110	"	-162	" 1202
3060 ± 40	"	-2139	" 1164	4550 ± 140	First metallurgy	-174	" "
3020 ± 60	"	-2974	" 1154	4300 ± 90	"	-170	" "
2930 ± 60	"	-2729	" 1167	4120 ± 100	"	-163	" "
2910 ± 60	LSA (Late Wilton)	-2543	" 1165	4040 ± 110	Bronze Age	UGRA-156	" 1203
2860 ± 45	"	-2871	" 1169	4000 ± 140	"	-140	" 1201
2810 ± 60	"	-2977	" 1154	3990 ± 120	Middle Neolithic	Gif-5421	1 22
2800 ± 60	"	-2870	" 1169	3950 ± 100	First metallurgy	UGRA-164	3 1202
2610 ± 50	SA	- 309	" 1162	3930 ± 130	Bronze Age	-145	" 1201
2480 ± 60	LSA	-3443	" 1152	3900 ± 150	End of Neolithic	-154	" 1204
2390 ± 60	"	-2452	" 1163	3840 ± 120	Bronze Age	-144	" 1201
2380 ± 50	"	-3247	" 1156	3780 ± 110	Middle Bronze Age	-166	" 1203
2350 ± 50	"	-2723	" 1166	3720 ± 110	"	-165	" "
2310 ± 60	LSA (Wilton)	-3426	" 1167	3680 ± 100	"	-146	" 1201
2260 ± 50	LSA	-2727	" "	3450 ± 110	Bronze Age	-155	" 1204
2230 ± 60	LSA (Wilton)	- 292	" 1162	3370 ± 120	End of Neolithic	-142	" 1200
2250 ± 70	LSA	-1763	" 1163				
2160 ± 50	"	-2971	" 1156	3350 ± 150	Middle Bronze Age	-167	" 1203
2160 ± 40	"	- 838	" 1157	3280 ± 140	Neolithic/Bronze Age	-136	" 1202
2070 ± 50	"	-3108	" 1160	3080 ± 90	End of Bronze Age	-183	" 1203
2030 ± 45	IA/SA interface	-4134	" 1159	3030 ± 150	Pre-Roman	-168	" 1204
2010 ± 50	LSA	- 506	" 1150	3030 ± 110	"	-143	" 1201
1960 ± 60	"	-4040	" 1158	3000 ± 100	End of Bronze Age	-160	" 1203
1890 ± 50	LSA (Late Wilton)	-2542	" 1165	2980 ± 130	"	-159	" "
1830 ± 50	LSA	-3418	" 1164	2930 ± 110	"	-190	" "
1780 ± 40	"	-1381	" 1155	2910 ± 120	"	-187	" "
1770 ± 60	LSA (Late Wilton)	- 821	" 1157	2890 ± 140	"	-175	" "
1720 ± 40	LSA	-3413	" 1170	2710 ± 250	"	-186	" "
1720 ± 40	"	-2095	" 1168	2570 ± 140	Pre-Roman	-173	" 1204
1620 ± 50	"	-1621	" "	2190 ± 90	"	-169	" "
1590 ± 60	"	- 291	" 1162	2140 ± 90	"	-171	" "
1580 ± 50	"	-2973	" 1156	840 ± 90	Middle Neolithic	Gif-2367	1 22
1570 ± 40	"	-3412	" 1170	700 ± 110	"	UGRA-138	3 1200
1520 ± 50	LSA/IA	-3678	" 1155	440 ± 100	Catalonian dolmen	-158	" 1204
1490 ± 50	EIA	-4159	" 1159	190 ± 90	"	-157	" 1202
1490 ± 40	LSA	-2447	" 1164				
1430 ± 50	"	-1759	" 1169				
1310 ± 50	LSA/IA	-3680	" 1155	3400 ± 150		UGRA-149	3 1205
1280 ± 50	"	-3242	" 1156	2320 ± 90		-153	" "
1210 ± 50	LSA	-2779	" 1165	2220 ± 120		-150	" "
1200 ± 50	"	-1766	" 1157	2130 ± 100		-151	" "
1150 ± 50	"	- 344	" 1161	2130 ± 90		-152	" "
1120 ± 50	"	-1059	" 1157				
1100 ± 170	"	-1951	" 1158				
1060 ± 45	"	-1837	" 1157				
1030 ± 50	"	- 449	" 1162				
950 ± 50	MIA	-2602	" 1159	42,700 ± 2600	MSA	Pta-3348	3 1143
900 ± 140	IA	-1947	" 1158	31,400 ± 780	"	-3349	" "
820 ± 50	SA	-3665	" 1153	8700 ± 120	LSA (Pre-Wilton, Lebombo)	-3540	" "
820 ± 35	LSA/IA	- 448	" 1162	7600 ± 80	LSA	-3533	" "
				6750 ± 70	LSA (Later Smithfield)	- 371	" "

SWAZILAND

Date	Culture or Period	Sample No.	No.	Page	Date	Culture or Period	Sample No.	No.	Page
SWAZILAND (continued)					TANZANIA				
1950 ± 50	LSA	Pta-3347	3	1143	36,900 ± 800		ISGS- 499	1	104
1620 ± 50	IA	-3346	"	1142	31,070		- 498	"	"
SWEDEN					26,960 ± 760		- 566	"	105
8610 ± 90	Mesolithic	Lu- 2228	1	161	22,910 ± 400	Late-Middle Stone Age	-425B	"	104
6300 ± 100	Early Ertebølle culture	- 2478	3	1127	22,460 ± 500		-449A	"	"
6180 ± 70	Late Ertebølle culture	- 2347	1	155	22,350 ± 380	Late-Middle Stone Age	-425A	"	"
5900 ± 140	Ertebølle culture	- 2444	3	1127	21,700 ± 600	Late Stone Age	-445A	"	"
5760 ± 70	"	- 2349	1	155	21,600 ± 400	"	-445B	"	"
5660 ± 110	"	- 2445	3	1127	14,780 ± 250	"	-449B	"	"
5640 ± 60	Late Ertebølle culture	- 2329	1	159	8100 ± 120		-427A	"	103
5500 ± 60	Ertebølle culture	-2349A	"	155	8060 ± 100		-427C	"	"
5460 ± 110	"	- 2443	3	1127	7160 ± 100		-427D	"	"
5340 ± 70	"	- 2420	"	"	7100 ± 80		-427B	"	"
5170 ± 60	"	- 2422	"	"	5400 ± 150		-444A	"	"
4940 ± 60	Neolithic	- 2346	1	156	4720 ± 150		-444B	"	"
4730 ± 70	"	- 2348	"	"	2180 ± 200		-438B	"	"
4450 ± 60	"	- 2493	3	1130	2060 ± 100		-438A	"	"
4420 ± 60	"	- 2327	1	161	1780 ± 80		- 565	"	105
4360 ± 80	"	- 2345	1	156	TUNISIA				
4360 ± 60	"	- 2495	3	1130	14,370 ± 110	Snail midden	Gif-5115	1	24
4240 ± 60	Stone Age	- 2352	1	156	8260 ± 180	Capsian	-4058	"	"
4200 ± 60	Middle Neolithic	- 2384	3	1126	5600 ± 150	"	-4057	"	"
4130 ± 70	"	- 2397	"	1128	1640 ± 90	Misassoc	-2770	"	"
4070 ± 60	"	- 2262	1	159	UNITED STATES				
3760 ± 60	Late Neolithic	- 2458	3	1129	FLORIDA				
3740 ± 60	Battle Axe culture	- 2464	"	1128	12,030 ± 200		Tx-2636	3	1189
3610 ± 70	Neolithic	- 2494	"	1130	810 ± 70	Glades	-2637	"	1190
3470 ± 60	Late Neolithic	- 2398	"	1128	IDAHO				
3350 ± 100	Bronze Age	- 2459	"	1129	2160 ± 130		Tx-3698	3	1186
3130 ± 70	"	- 2454	"	"	ILLINOIS				
2970 ± 50	Neolithic	- 2388	"	1126	12,320 ± 80	Early Archaic	ISGS- 415	1	81
2960 ± 50	"	- 2350	1	155	11,040 ± 110		-428B	"	82
2930 ± 50	"	- 2351	"	156	9850 ± 300		- 644	"	93
2840 ± 50	Late Bronze Age	- 2248	"	157	9820 ± 150		-428A	"	82
2790 ± 60	Bronze Age	- 2461	3	1129	9170 ± 110	Titus	- 317	"	80
2780 ± 90	"	- 2455	"	"	8730 ± 90	Early Archaic	- 328	"	"
2780 ± 90	"	- 2453	"	"	8444 ± 80	"	- 292	"	"
2780 ± 50	Late Bronze Age	- 2232	1	156	8220 ± 80	"	- 336	"	"
2770 ± 50	"	- 2252	"	157	8130 ± 80	"	- 337	"	"
2740 ± 50	"	- 2231	"	158	8070 ± 100	Titus	- 300	"	"
2740 ± 50	Bronze Age	- 2462	3	1129	7990 ± 80	"	- 290	"	"
2690 ± 50	Late Bronze Age	- 2257	1	157	7900 ± 80	Middle Archaic	- 316	"	"
2680 ± 50	"	- 2260	"	"	7800 ± 160	"	- 303	"	"
2670 ± 60	"	- 2256	"	158	7670 ± 110	"	- 338	"	"
2600 ± 50	"	- 2259	"	157	7020 ± 120	"	- 638	"	93
2530 ± 90	Bronze Age	- 2460	3	1128	6550 ± 80		- 414	"	80
2480 ± 60	Bronze/Iron Age	- 2449	"	1130	5820 ± 80	Late Archaic	- 926	"	99
2450 ± 50	Late Bronze/Early Iron Age	- 2249	1	157	5360 ± 100	Falling Springs	- 769	"	96
2090 ± 50	Early Iron Age	- 2230	"	159	5290 ± 90	Archaic	- 938	"	101
2070 ± 50	Iron Age	- 2233	"	158	5150 ± 100		- 736	"	97
2050 ± 50	"	- 2331	"	160	4600 ± 80	Falling Springs	- 735	"	97
2000 ± 50	Early Iron Age	- 2251	"	158	4390 ± 90	Woodland-Columbia	- 572	"	88
1980 ± 50	Iron Age	- 2456	3	1130	4360 ± 120	Falling Springs	- 730	"	97
1920 ± 50	"	- 2457	"	"	4300 ± 80	Late Archaic	- 377	"	81
1800 ± 50	"	- 2263	1	159	4130 ± 80	Titterington	- 697	"	91
1790 ± 60	"	- 2250	"	157	4110 ± 100	"	- 630	"	"
1730 ± 50	"	- 2255	"	158	4110 ± 130	"	- 693	"	"
1690 ± 50	"	- 2452	3	1130	4110 ± 80	"	- 698	"	"
1650 ± 50	"	- 2235	1	158	4060 ± 80	"	- 695	"	"
1630 ± 50	"	- 2234	"	157	4060 ± 100	"	- 629	"	"
1600 ± 45	"	- 2258	"	158	4020 ± 100	"	- 628	"	"
1480 ± 50	"	- 2328	"	159	3950 ± 80	Late Archaic	- 329	"	80
1250 ± 45	"	- 2451	3	1128	3860 ± 80	"	- 376	"	81
1180 ± 45	Iron Age/Viking Age	- 2261	1	159	3710 ± 120	Titterington	- 687	"	92
1140 ± 45	Iron Age	- 2450	3	1128	3400 ± 80	"	- 702	"	94
1110 ± 45	Viking Age	- 2440	1	160	3240 ± 80	"	- 701	"	"
1080 ± 45	"	- 2321	"	"	3130 ± 80	"	- 700	"	"
1060 ± 60	"	- 2320	"	"	2910 ± 80	Woodland-Columbia	- 571	"	88
1030 ± 45	Viking Age	- 2324	1	160	2870 ± 200	"	- 1011	"	88
1000 ± 45	"	- 2323	"	"	2860 ± 80	Prairie Lake	- 601	"	90
1000 ± 45	Late Viking Age	- 2385	3	1126	2800 ± 80	"	- 588	"	89
960 ± 45	Viking Age	- 2322	1	160	2760 ± 80	"	- 605	"	90
950 ± 45	"	- 2325	"	"	2540 ± 80	"	- 599	"	89
930 ± 45	"	- 2326	"	161	2500 ± 80	"	- 399	"	82
900 ± 45	Early Medieval time	- 2386	3	1126	2400 ± 80	Florence	- 616	"	91
850 ± 45	"	- 2387	"	"	2290 ± 80	"	- 775	"	"
770 ± 45	Medieval	- 2226	1	161	2180 ± 90	Marion	- 711	"	94
730 ± 45	"	- 2227	"	"	2150 ± 150	Late Woodland	- 420	"	82
660 ± 45	"	- 2330	"	159	2130 ± 110	Florence	- 632	"	91
650 ± 45	"	- 2329	"	"					
530 ± 45	"	- 2286	"	162					
470 ± 45	"	- 2287	"	"					

Date	Culture or Period	Sample No.	No.	Page	Date	Culture or Period	Sample No.	No.	Page
ILLINOIS (continued)					ILLINOIS (continued)				
2120 ± 100	Woodland-Columbia	ISGS- 631	1	88	1000 ± 70	Late Woodland	ISGS- 986	1	100
2080 ± 80	Cement Hollow	- 866	"	94	990 ± 100	"	- 954	"	87
2070 ± 110	"	- 645	"	"	990 ± 80	Sand Prairie	- 758	"	89
2020 ± 80	Late Archaic	- 522	"	83	990 ± 80	"	- 620	"	85
1970 ± 80	Middle Woodland	- 251	"	78	990 ± 70	"	- 914	"	87
1960 ± 110	Woodland-Columbia	- 633	"	88	970 ± 80	Fairmount	- 699	"	90
1920 ± 80	"	- 245	"	78	970 ± 80	Dohack	- 665	"	95
1900 ± 80	"	- 246	"	"	970 ± 80	"	- 842	"	87
1860 ± 80	Hill Lake	- 600	"	90	970 ± 80	Late Woodland	- 469	"	83
1830 ± 90	Rosewood	- 709	"	95	970 ± 100	"	-484A	"	84
1790 ± 80	Hill Lake	- 634	"	90	960 ± 70	"	- 913	"	87
1720 ± 80	"	- 703	"	"	950 ± 80	"	- 569	"	83
1710 ± 80	Rosewood	- 710	"	95	950 ± 130	Lohmann	- 685	"	92
1700 ± 80	"	- 603	"	90	950 ± 80	"	- 694	"	"
1670 ± 80	"	- 771	"	96	950 ± 80	Edelhardt	- 984	"	93
1670 ± 80	"	- 754	"	97	940 ± 70	"	- 984	"	100
1660 ± 80	Mund	- 755	"	98	940 ± 100	Dohack	- 691	"	96
1630 ± 80	Rosewood	- 743	"	97	930 ± 150	Late Woodland	- 419	"	81
1630 ± 80	"	- 689	"	90	930 ± 80	Edelhardt	- 788	"	93
1620 ± 70	Mund	- 885	"	92	930 ± 80	Stirling	- 708	"	"
1610 ± 90	Late Woodland	- 921	"	99	910 ± 90	Sand Prairie	- 944	"	100
1580 ± 100	"	- 457	"	83	910 ± 80	"	- 577	"	85
1580 ± 80	Rosewood	- 668	"	96	890 ± 70	Mississippian	- 887	"	99
1580 ± 80	"	- 663	"	95	890 ± 80	"	- 825	"	87
1570 ± 80	Mund	- 741	"	98	880 ± 90	"	- 627	"	86
1570 ± 80	"	- 745	"	"	880 ± 90	"	- 623	"	85
1560 ± 90	"	- 739	"	"	880 ± 80	Lohmann	- 683	"	90
1530 ± 80	Rosewood	- 728	"	97	880 ± 120	Stirling	- 705	"	93
1510 ± 80	Hill Lake	- 636	"	90	870 ± 80	"	- 570	"	85
1510 ± 70	Mund	- 884	"	92	860 ± 130	"	- 596	"	"
1510 ± 80	"	- 853	"	87	860 ± 80	Fairmount	- 276	"	79
1480 ± 70	Mund	- 892	"	92	850 ± 80	"	- 731	"	98
1480 ± 80	Rosewood	- 734	"	96	850 ± 80	Mississippian	- 464	"	83
1470 ± 80	Mund	- 865	"	94	830 ± 80	Dohack	- 664	"	95
1460 ± 80	Late Woodland	- 456	"	82	830 ± 110	Sand Prairie	- 586	"	89
1440 ± 90	Mund	- 756	"	99	810 ± 80	Lohmann	- 635	"	92
1430 ± 70	"	-1012	"	88	810 ± 80	"	-646A	"	86
1420 ± 80	Rosewood	- 712	"	101	810 ± 80	"	-646B	"	87
1390 ± 100	"	- 735	"	97	810 ± 80	Mississippian	- 470	"	83
1390 ± 80	"	- 670	"	"	790 ± 80	"	- 595	"	"
1390 ± 80	"	- 715	"	95	790 ± 70	Sand Prairie	- 902	"	100
1390 ± 70	Patrick	-1044	"	100	760 ± 90	"	- 946	"	"
1380 ± 80	Mund	- 643	"	94	750 ± 80	Stirling	- 637	"	93
1360 ± 130	Patrick	-1062	"	101	730 ± 90	Sand Prairie	- 925	"	99
1340 ± 120	"	-478A	"	84	710 ± 80	Middle Mississippian	- 592	"	84
1340 ± 80	Late Woodland	- 481	"	83	710 ± 80	Morehead	- 587	"	89
1330 ± 70	Patrick	- 889	"	99	680 ± 80	Middle Mississippian	- 591	"	84
1310 ± 80	"	- 837	"	98	640 ± 80	"	-487B	"	"
1300 ± 80	"	- 846	"	"	630 ± 80	Sand Prairie	- 589	"	89
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1270 ± 80	"	- 847	"	94	600 ± 80	Sand Prairie	- 579	"	89
1250 ± 130	"	- 651	"	87	590 ± 80	"	- 581	"	"
1230 ± 80	Patrick	- 704	"	96	570 ± 80	"	- 434	"	82
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1220 ± 80	Fairmount	- 283	"	79	560 ± 80	Sand Prairie	- 760	"	89
1220 ± 70	"	-1019	"	88	520 ± 80	Vincennes	- 404	"	81
1210 ± 80	Lamotte	- 406	"	81	330 ± 80	"	- 473	"	83
1200 ± 140	Late Woodland	- 418	"	"	310 ± 80	"	- 474	"	"
1170 ± 110	Patrick	-1060	"	101	200 ± 80	"	- 540	"	84
1170 ± 100	"	-1047	"	"	150 ± 80	"	- 713	"	95
1170 ± 80	"	- 776	"	87	98 ± 0.7pM	"	- 539	"	84
1160 ± 80	"	- 619	"	85	99.4 ± 0.5pM	"	-1021	"	88
1160 ± 80	"	- 398	"	82	110.6 ± 0.8pM	"	- 573	"	"
1130 ± 80	Late Woodland	-484B	"	84	INDIANA				
1130 ± 80	Patrick	- 696	"	96	3540 ± 90		ISGS-270	1	101
1130 ± 80	Late Woodland	- 258	"	79	2540 ± 80	"	-269	"	"
1120 ± 80	"	- 962	"	87	KENTUCKY				
1110 ± 90	"	- 626	"	85	9490 ± 230	Early Archaic	Tx-3012	3	1189
1100 ± 70	Patrick	- 901	"	87	8440 ± 380	"	-3011	"	"
1100 ± 80	"	- 706	"	96	8420 ± 110	"	-2951	"	"
1090 ± 70	Mississippian	- 908	"	99	3090 ± 150	Late Archaic	-3013	"	"
1090 ± 80	Dohack	- 678	"	95	2390 ± 70	Late Archaic-Early Woodland	-3010	"	"
1080 ± 80	"	- 893	"	87	170 ± 50	Historic	-2950	"	"
1080 ± 80	Fairmount	- 281	"	79	MISSOURI				
1070 ± 100	"	- 642	"	86	1390 ± 220		Tx-3016	3	1188
1060 ± 80	Edelhart	- 802	"	93	1300 ± 70	Early Mississippian	-3608	"	"
1060 ± 80	Stirling	- 733	"	98	1240 ± 110	"	-3609	"	1189
1050 ± 80	"	- 732	"	"	920 ± 50	"	-2872	"	1188
1050 ± 80	Fairmount	- 280	"	79					
1040 ± 80	Edelhart	- 787	"	93					
1040 ± 80	"	- 811	"	87					
1030 ± 100	Patrick	-1046	"	100					
1020 ± 80	Late Woodland	- 257	"	79					
1010 ± 80	"	- 810	"	87					

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780 ± 70	Late Prehistoric	-1708	"	1207	780 ± 70	Early Shwayip	-3502	"	1188
780 ± 70	"	-1709	"	1208	600 ± 70	Sinaikst	-3499	"	1187
780 ± 70	"	-1710	"	"	460 ± 50	Early Shwayip	-3500	"	1188
270 ± 70	Historic	-1674	"	1206	WISCONSIN				
<200	"	-1707	"	1207	4080 ± 70	Old Copper	WIS-1706	3	1210
TEXAS					2420 ± 80	Early Woodland	-1677	"	1211
26,610 ± 310		ISGS-593	1	102	2320 ± 80	"	-1715	"	"
5050 ± 80	Archaic	Tx-2770	3	1185	1220 ± 70	Middle Woodland	-1676	"	1209
4720 ± 170	San Geronimo	-3912	"	1182	1200 ± 70	Lane Farm	-1692	"	1212
4550 ± 190	Early-Middle Archaic	-2926	"	1183	1150 ± 70	Middle Mississippian	-1663	"	1211
4300 ± 130	Pre-Early Archaic	-3853	"	1182	1110 ± 100	Middle Woodland	-1669	"	1210
4260 ± 250	Early-Middle Archaic	-2924	"	1183	900 ± 70	Middle Mississippian	-1665	"	1212
3950 ± 230	Archaic	-2769	"	1184	880 ± 70	"	-1664	"	"
3860 ± 370	Transitional Archaic	-2764	"	"	880 ± 70	Late Woodland	-1642	"	1210
	Early Late Prehistoric				860 ± 70	Middle Mississippian	-1668	"	1212
3280 ± 360	Late Archaic	-2763	"	"	830 ± 70	"	-1694	"	"
2660 ± 370	Late Archaic	-2925	"	1183	820 ± 70	Late Woodland	-1667	"	1210
2660 ± 60	Early-Middle Archaic	-3852	"	1182	810 ± 60	Middle Mississippian	-1662	"	1211
2260 ± 270	Late Archaic	-2762	"	1184	800 ± 70	Middle Mississippian	-1695	"	1212
2210 ± 70	Late Archaic	-2752	"	1183	790 ± 70	"	-1693	"	"
1960 ± 100	Aransas	-2774	"	1182	620 ± 70	Winnebago Triled	-1671	"	1210
1760 ± 50		-3045	"	1186	610 ± 70	Oncota	-1629	"	1208
1620 ± 280	Austin	-2760	"	1184	560 ± 70	Winnebago Triled	-1670	"	1209
1520 ± 100	Austin	-2758	"	"	560 ± 70	Oncota	-1631	"	1208
1490 ± 120	Late Mesilla	-4864	"	1180	510 ± 70	"	-1716	"	1209
1470 ± 170	Late Prehistoric	-2754	"	1183	490 ± 70	Winnebago Triled	-1705	"	1210
1440 ± 60	Late Mesilla	-4717	"	1179	400 ± 70	Oncota	-1630	"	1208
1390 ± 110		-4155	"	1181	380 ± 70	"	-1675	"	1209
1320 ± 90	Austin	-2756	"	1183	350 ± 70	"	-1666	"	1208
1290 ± 170	Austin	-2768	"	1184	330 ± 70	"	-1717	"	1209
1260 ± 130	Austin	-2761	"	"	310 ± 70	Winnebago Triled	-1704	"	1210
1260 ± 70	Late Mesilla	-4865	"	1180	<200	Historic	-1718	"	1209
1230 ± 70	Late Mesilla	-4863	"	"	WEST GERMANY				
1230 ± 50	Middle Archaic	-2805	"	1181	9370 ± 80	Early Mesolithic	KN-3071	1	138
1190 ± 200	Late Mesilla	-4718	"	1180		"	-3072	"	"
1190 ± 50	Lone Oak	-3049	"	1186	9300 ± 80		-2261	"	135
1120 ± 130	Late Mesilla	-4866	"	1180	8920 ± 80	Teverener Group	-2262	"	"
1120 ± 40	Late Mesilla	-4714	"	1179	8910 ± 80	"	-2662	"	"
1110 ± 110	Late Archaic	-2812	"	1182	8890 ± 70	Mesolithic	-2519	"	"
1110 ± 60	Late Mesilla	-4720	"	1180	8540 ± 60	Early Mesolithic	-1.683	"	137
1100 ± 140	Austin	-2767	"	1184	7720 ± 80	Mesolithic	-2034	"	"
1070 ± 180	Late Mesilla	-4715	"	1179	7520 ± 240	Hambacher Group	-2900	"	136
1060 ± 50		-2870	"	1181	7510 ± 170	"	-2899	"	"
1030 ± 70	Late Prehistoric	-3854	"	1182	7490 ± 80	"	-2901	"	"
1010 ± 150	Late Archaic	-3855	"	1182	5420 ± 180	"	-2999	"	"
1010 ± 80	Pecan Grove	-3570	"	1186	4580 ± 60	Late Mesolithic	-1.329	"	"
1010 ± 60	Pecan Grove	-3048	"	1185	4230 ± 45	Early Mesolithic	-2518	"	135
980 ± 60	Middle Archaic	-3856	"	1182	2210 ± 50	"	-2517	"	"
970 ± 80	Late Mesilla	-4719	"	1180	ZAMBIA				
970 ± 40	Pecan Grove	-3047	"	1185	18,100 ± 180	LSA	Pta-2453	3	1135
950 ± 50	Pecan Grove	-3046	"	"	9830 ± 90	LSA	-2454	"	"
950 ± 50	Pecan Grove	-3571	"	1186	5980 ± 70	LSA	-2410	"	"
940 ± 180	Late Archaic-	-2811	"	1182	2170 ± 50	LSA	-3256	"	1136
	Late Prehistoric				1690 ± 40	LSA	-3259	"	"
910 ± 50	Pecan Grove	-3043	"	1185	1460 ± 40	LSA	-3258	"	"
790 ± 200	Austin	-2759	"	1184	930 ± 50	LSA	-3255	"	"
790 ± 60	Late Mesilla	-4716	"	1179	930 ± 35	LSA	-2178	"	1135
770 ± 100	Late Prehistoric	-2755	"	1183	600 ± 40	LSA	-3257	"	1136
750 ± 130	Late Mesilla	-4713	"	1179	420 ± 35	LSA	-2180	"	1135
730 ± 80	Early/Middle Austin	-2766	"	1184	350 ± 45	LSA	-2409	"	1134
720 ± 80	Pecan Grove	-3572	"	1186	220 ± 35	LSA	-2181	"	1135
710 ± 50	Late Prehist Jornada	-2806	"	1180	130 ± 30	LSA	-2176	"	"
690 ± 70	Pecan Grove	-3573	"	1186	ZIMBABWE				
690 ± 60	Pecan Grove	-3574	"	1186	>41,900	MSA (Tshangula)	Pta-1772	3	1139
510 ± 100	Austin	-2757	"	1184	14,900 ± 120	LSA (Tshangula)	-2299	"	1141
490 ± 60	Pecan Grove	-3050	"	1185	13,000 ± 120	LSA	-3119	"	1140
480 ± 140	Late Archaic-	-2810	"	1182	12,800 ± 120	LSA	-2585	"	1138
	Late Prehistoric				12,300 ± 100	LSA (Tshangula)	-3118	"	1140
460 ± 90	Late Prehistoric	-4154	"	1181	11,020 ± 60	LSA (Tshangula)	-2300	"	1141
460 ± 70	Late Prehistoric	-2869	"	"	11,000 ± 100	LSA (Tshangula)	-2586	"	1138
410 ± 60	Pecan Grove	-3044	"	1185	10,650 ± 80	LSA	-1857	"	1137
300 ± 120	Late Prehistoric	-2815	"	1181	10,500 ± 100	LSA (Pomongwe)	-2578	"	1138
240 ± 60	Twin Sisters	-3911	"	1182	10,270 ± 90	LSA	-2218	"	1139
Ultra-modern	Early to Middle Archaic	-2923	"	1183	9790 ± 90	LSA (Pomongwe)	-1771	"	"
WASHINGTON					9760 ± 90	LSA (Pomongwe)	-2473	"	1142
6510 ± 100		Tx-3498	3	1187	9500 ± 120	LSA (Early Pomongwe)	-3117	"	1140
3910 ± 80	Ksunku	-3495	"	1187	9220 ± 90	LSA (Early Pomongwe)	-3116	"	1139
3850 ± 100	Takumakst	-3501	"	1188		Matopan/Khami			
2890 ± 340	post-Ksunku	-3496	"	1187	9130 ± 90	LSA (Matopan)	-3459	"	1138
1630 ± 80	Sinaikst	-3494	"	1187	8920 ± 80	LSA (Khami)	-2569	"	1141
1620 ± 270	Takumakst	-3503	"	1188					

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8560 ± 80	LSA (Wilton)	Pta-2472	3	1141					
8540 ± 90	LSA (Wilton)	-2306	"	1140					
8420 ± 80	LSA (Early Matopan)	-3470	"	"					
7930 ± 80	LSA (Khami)	-2647	"	1141					
7880 ± 70	LSA (Khami)	-2046	"	1139					
7610 ± 80	LSA (Khami)	-3113	"	"					
6490 ± 70	LSA (Khami)	-1768	"	1138					
5760 ± 70	LSA (Khami)	-2570	"	1139					
5120 ± 70	LSA (Matopan)	-3472	"	1137					
4810 ± 80	LSA	-3083	"	1140					
	(Khami/Matopan/Wilton)								
4740 ± 70	LSA (Khami)	-2648	"	1139					
4570 ± 70	LSA	-2577	"	1138					
4260 ± 60	LSA (Wilton)	-2788	"	1137					
4090 ± 70	LSA	-3085	"	1140					
	(Khami/Matopan/Wilton)								
3960 ± 60	LSA (Bambata pottery)	-3111	"	1137					
2980 ± 60	LSA	-1858	"	1136					
2850 ± 60	LSA (Late Matopan)	-3477	"	1137					
2140 ± 60	EIA/LSA (Bambata pottery)	-3072	"	"					
1440 ± 50	LSA	-2001	"	1136					
1110 ± 50	LSA (Khami)	-2217	"	1141					
560 ± 40	LSA (Wilton)	-968	"	1142					
480 ± 40	LSA (Wilton, Bambata pottery)	-969	"	"					
410 ± 45	IA/LSA	-967	"	"					

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-2441	"	"	-3034	"	60	-3916	"	38	-4587	"	41
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-3018	"	"	-3867	"	44	-4491	"	66	-4868	"	"
-3019	"	"	-3869	"	"	-4517	"	54	-4869	"	"
-3020	"	50	-3872	"	43	-4534	"	66	-4870	"	"
-3021	"	51	-3875	"	43	-4535	"	"	-4891	"	66
-3022	"	"	-3884	"	45	-4536	"	66	-4892	"	"
-3023	"	"	-3911	"	41	-4543	"	66	-4893	"	"
-3026	"	45	-3912	"	"	-4544	"	"	-4894	"	"

Sample No.	No.	Page No.	Sample No.	No.	Page No.	Sample No.	No.	Page No.	Sample No.	No.	Page No.
Gif			IRPA			ISGS			ISGS		
-4895	28/1	66	-590	28/1	"	-768	28/1	128	-1106	28/1	113
-4896	"	"	-591	"	73	-770	"	127			
-4899	"	"	-592	"	"	-772	"	118	KSU		
-4935	"	"	-593	"	"	-774	"	128	-21	28/3	1078
-4937	"	"	-594	"	"	-778	"	118	-22	"	"
-4938	"	43	-595	"	73	-799	"	128	-23	"	"
-4945	"	66	-596	"	"	-828	"	119	-26	"	1080
-4946	"	"	-597	"	"	-829	"	"	-42	"	"
-5096	"	54	-598	"	74	-842	"	"	-43	"	1079
-5097	"	"	-599	"	73	-862	"	"	-44	"	"
-5098	"	53	-600	"	74	-863	"	"	-49	"	"
-5099	"	54	-601	"	"	-867	"	120	-50	"	"
-5132	"	52	-602	"	"	-870	"	114	-57	"	"
-5133	"	"	-603	"	"	-871	"	120	-60	"	1081
-5135	"	66	-604	"	"	-876	"	129	-62	"	1079
-5150	"	"	-619	"	70	-877	"	"	-64	"	"
-5152	"	"	-624	"	"	-878	"	"	-72	"	1081
-5169	"	"	-628	"	74	-879	"	"	-73	"	1079
-5197	"	"	-629	"	"	-880	"	123	-74	"	"
-5198	"	"	-630	"	"	-883	"	115	-75	"	"
-5262	"	54	-631	"	"	-894	"	121	-76	"	"
-5264	"	"	-632	"	"	-900	"	"	-77	"	1080
-5265	"	53	-635	"	75	-903	"	"	-78	"	"
-5266	"	53	-636	"	"	-906	"	130	-79	"	1079
-5267	"	54	-637	"	"	-907	"	129	-80	"	1080
-5268	"	53	-638	"	74	-910	"	"	-81	"	"
-5326	"	56	-639	"	75	-911	"	122	-83	"	"
-5327	"	57	-640	"	"	-915	"	129	-84	"	"
-5328	"	56	-641	"	"	-919	"	129	-85	"	"
-5371	"	56	-642	"	"	-922	"	126	-86	"	"
-5375	"	57	-643	"	71	-924	"	130	-87	"	1081
-5432	"	65	-644	"	"	-927	"	111	-88	"	1080
-5433	"	"				-928	"	110	-89	"	"
-5559	"	65	ISGS			-930	"	121	-91	"	"
-5587	"	57	-267A	28/1	130	-932	"	127	-112	"	1081
-5591	"	56	-267B	"	"	-941	"	123	-114	"	"
-5599	"	65	-424	"	122	-942	"	"	-128	"	"
-5754	"	66	-465	"	113	-943	"	111	-131	"	"
-5755	"	"	-482	"	"	-948	"	131	-225	"	"
-5756	"	"	-483	"	114	-950	"	"	-231	"	"
-5757	"	"	-485	"	113	-952	"	122	-244	"	1081
-5758	"	"	-489A	"	114	-953	"	110	-275	"	1082
-5759	"	"	-489B	"	"	-957	"	111	-289	"	"
-5858	"	66	-556	"	132	-959	"	110	-290	"	"
-5860	"	"	-564	"	"	-960	"	111	-291	"	"
-5861	"	"	-611	"	132	-961	"	110	-292	"	"
-5891	"	47	-647	"	114	-968	"	131	-293	"	"
-5892	"	47	-673	"	115	-970	"	112	-309	"	"
-5893	"	47	-676	"	"	-975	"	120	-310	"	"
-6152	"	51	-677	"	122	-977	"	122	-311	"	"
-6228	"	"	-679	"	"	-984	"	111	-314	"	"
-6229	"	"	-681	"	115	-985	"	"	-340	"	1083
-6230	"	"	-682	"	123	-987	"	112	-341	"	"
-6231	"	"	-684	"	114	-997	"	112	-364	"	"
			-686	"	115	-998	"	127	-366	"	1081
IRPA			-688	"	114	-999	"	112	-390	"	1083
-515	28/1	71	-690	"	123	-1002	"	127	-424	"	"
-518	"	"	-707	"	122	-1007	"	112	-431	"	"
-519	"	72	-714	"	127	-1023	"	113	-436	"	"
-520	"	71	-716	"	"	-1025	"	"	-437	"	"
-521	"	"	-717	"	123	-1039	"	117	-438	"	"
-553	"	70	-718	"	127	-1041	"	120	-450	"	"
-555	"	"	-720	"	114	-1042	"	"	-465	"	1084
-557	"	72	-721	"	128	-1045	"	117	-467	"	"
-558	"	"	-722	"	116	-1050	"	131	-542	"	1083
-559	"	"	-723	"	"	-1052	"	124	-543	"	"
-561	"	"	-724	"	"	-1053	"	126	-546	"	1084
-560	"	71	-725	"	128	-1054	"	124	-557	"	"
-562	*	71	-726	"	125	-1055	"	"	-558	"	"
-564	"	72	-727	"	116	-1057	"	126	-562	"	"
-565	"	73	-738	"	116	-1058	"	131	-563	"	"
-566	"	72	-742	"	117	-1061	"	131	-564	"	1085
-569	"	70	-744	"	"	-1066	"	124	-565	"	"
-570	"	"	-746	"	"	-1067	"	"	-566	"	"
-571	"	"	-748	"	"	-1068	"	"	-567	"	1084
-572	"	"	-749	"	"	-1069	"	117	-640	"	"
-573	"	"	-750	"	"	-1070	"	125	-641	"	"
-579	"	69	-757	"	118	-1071	"	"	-642	"	"
-580	"	"	-759	"	130	-1072	"	"	-644	"	1085
-581	"	"	-761	"	125	-1073	"	117	-645	"	"
-582	"	"	-762	"	126	-1074	"	120	-647	"	"
-585	"	"	-763	"	130	-1075	"	125	-650	"	1084
-587	"	"	-764	"	126	-1076	"	124	-651	"	"
-588	"	"	-765	"	118	-1077	"	120	-664	"	1085
-589	"	70	-767	"	"	-1097	"	111	-665	"	"

NOTICE TO READERS AND CONTRIBUTORS

Since its inception, the basic purpose of *RADIOCARBON* has been the publication of compilations of ^{14}C dates produced by various laboratories. These lists are extremely useful for the dissemination of basic ^{14}C information.

In recent years, *RADIOCARBON* has also been publishing technical and interpretative articles on all aspects of ^{14}C . We would like to encourage this type of publication on a regular basis. In addition, we will be publishing compilations of published and unpublished dates along with interpretative text for these dates on a regional basis. Authors who would like to compose such an article for his/her area of interest should contact the Managing Editor for information.

Another section is added to our regular issues, "Notes and Comments." Authors are invited to extend discussions or raise pertinent questions to the results of scientific investigations that have appeared on our pages. The section includes short, technical notes to relay information concerning innovative sample preparation procedures. Laboratories may also seek assistance in technical aspects of radiocarbon dating. Book reviews will also be included for special editions.

Manuscripts of radiocarbon papers should follow the recommendations in *Suggestions to Authors** and *RADIOCARBON* Style Guide (R, 1984, v 26, p 152–158). Our deadline schedule for submitting manuscripts is:

<i>For</i>	<i>Date</i>
Vol 29, No. 2, 1987	Jan 1, 1987
Vol 29, No. 3, 1987	May 1, 1987
Vol 30, No. 1, 1988	Sept 1, 1987

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 11th International Radiocarbon Conference in Seattle, Washington, 1982. 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 cal AD/BC, citing the specific calibration curve used to obtain the estimate. Calibrated dates will now be reported as "cal BP" or "cal AD/BC" according to the consensus of the Twelfth International Radiocarbon Conference, Trondheim, Norway, 1985.

Meaning of $\delta^{14}\text{C}$. 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 $\delta^{14}\text{C}$ 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 $\delta^{14}\text{C}$ as the observed deviation from the standard. At the New Zealand Radiocarbon Dating Conference it was recommended to use $\delta^{14}\text{C}$ 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 $\delta^{13}\text{C} = -19\text{‰}$.

In several fields, however, age corrections are not possible. $\delta^{14}\text{C}$ 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.

**Suggestions to Authors of the Reports of the United States Geological Survey*, 6th ed, 1978, Supt of Documents, U S Govt Printing Office, Washington, DC 20402.