

UNIVERSITY OF GEORGIA RADIOCARBON DATES V

JOHN E NOAKES and BETTY LEE BRANDAU

Geochronology Laboratory, 110 Riverbend Road
University of Georgia, Athens, Georgia 30602

The following list of dates is compiled from samples prepared and catalogued since publication of our last date list (R, 1975, v 17, p 99-111). The counting equipment and operating procedures are the same. Ages are quoted with a 1σ counting error which includes statistical variation of the sample count as well as for background and standard, using AD 1950 as the reference year and 95% NBS oxalic acid for ^{14}C dating as the standard. The half-life value used is 5570 years.

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SAMPLE DESCRIPTIONS

ARCHAEOLOGIC SAMPLES

Alabama

Green County series

Samples from Green Co, W central Alabama, on the Mississippi border.

UGa-897. 1 Gr 2

995 ± 75

AD 955

Charcoal from large cylindrical pit, 0.7m below surface in shell midden with sherds of Saltillo Fabric Impressed, few Furrs Cord Marked, Porter Zone Incised. On Tombigbee R (34° 55' N, 88° 11' W).

UGa-898. 1 Gr 2

1450 ± 75

AD 500

Charcoal from 0.3m deeper than UGa-897 in same pit.

Randolph County series

Samples from several sites in Randolph Co, NE Alabama, on the Georgia border.

UGa-934. 1 Ra 12

2550 ± 110

600 BC

Charcoal from Feature 1, a hearth in Zone D, a layer containing Late Archaic artifacts. Site is a rock shelter in W Randolph Co (33° 21.5' N, 85° 37' W).

UGa-1112. 1 Ra 28

800 ± 70

AD 1150

Charcoal from mass of charred wood in Level 2, 10 to 20cm from

site on Little Tallapoosa R (33° 20' N, 85° 30' W). Level dominated by ceramics of Lamar period.

UGa-900. 1 Ra 24 **490 ± 110**
AD 1460

Charcoal underlying plow zone at depth 35cm in Burial 1 pit and overlying large fragment of Lamar Complicated Stamped vessel. Site is on E bank on Tallapoosa R (85° 35' N, 33° 16' W).

UGa-1113. 1 Ra 24 **685 ± 135**
AD 1265

Charcoal from mass of charred wood in pit fill of Burial 2. Assoc ceramics place it within Lamar occupation. Site on Tallapoosa R at Hunter's Bottoms (85° 40' N, 33° 18' W).

UGa-1112, -1113 dates are early Lamar period. All dates are as expected. Alabama samples coll and described by D L DeJarnette, Mound State Mus, Moundville, Alabama.

California

Ventura Mission Plaza site series

Ven-87 is W of Mission San Buenaventura, Main St, Ventura, Ventura Co, California (34° 16' 50" N, 119° 17' 48.5" W).

UGa-916. Shell (*Tivela stultorum*) **3355 ± 70**
1405 BC

UGa-917. Shell (*Tivela stultorum*) **3550 ± 90**
1600 BC

These 2 shells are from depth 2m, UGa-917 2m N of UGa-916. Original surface may have sloped from N to S, accounting for difference in ages. UGa-916 is more directly beneath a secondary hearth below a large rock feature.

UGa-1024. Shell (*Tivela stultorum*) **3070 ± 70**
1120 BC

UGa-1025. Shell (*Protothaca staminea*) **3015 ± 70**
1065 BC

The two above samples are from a test trench below a Chumash Indian midden at a depth of 2.5m and in contact with riverine sands.

UGa-1117. Pinniped bone **2305 ± 140**
355 BC

Bone of sea mammal from depth 2.05m below surface from top of rock-lined earth oven. Date is reasonable for Canalino hunting of sea mammals. *Comment* (RSG): Ventura Mission Plaza site was occupied from ca 3500 BP, an Aboriginal (pre-contact) occupation to the historic occupation of Mission lands. Presumably the early samples are from the Indian village known in Chumash as Mitz-khlan-a-kan and renamed La

Asuncion de Nuestra Señora by Fr Crespi, Spanish missionary. Coll by Roberta S Greenwood, Mission Plaza Archaeol Proj, Ventura, Calif.

Colorado

UGa-993. Bradford House II bone **2440 ± 185**
490 BC

Sec of spinal cord from burial pit of 5 Jf 32 (39° 36' N, 105° 10' 29" W), at depth 2.3m beneath a rock shelter. Coll and subm by Douglas M Medina, Aurora, Colo.

Burke site series

Site 5 Rb 123 is on right bank of Piceance Creek ca 17.7km upstream from juncture with White R in Rio Blanco Co (39° 53' 13" N, 108° 15' 6" W).

UGa-1045. Charcoal **1575 ± 135**
AD 375

From ash and charcoal concentration 3cm thick, 121 cm below datum. A single hammerstone was found in this layer, overlain by sherds of plain gray pottery and a single notched projectile point coll by G A Bair.

Boxelder Creek series

Samples taken as part of survey along Boxelder Creek (40° 56' N, 105° 11' W), a tributary of the N branch of the Cache La Poudre R which runs into the S Platte R.

UGa-810. 5 Lr 257 **60 ± 100**
AD 1890

Charcoal from hearth eroding out of E bank of creek.

West Bank Samples 5 Lr 263

UGa-812. Charcoal **1370 ± 175**
AD 580

Charcoal from hearth exposed in backhoe test.

UGa-816. Charcoal **250 ± 85**
AD 1700

Charcoal from hearth related to first culture-bearing level, assoc with many flakes, both large and retouch, glass beads, clay pine fragments, possible brass fragment, side scraper, and various bone fragments, depth 4cm.

UGa-813. Charcoal **210 ± 95**
AD 1740

Charcoal from hearth at 18cm depth on W bank of creek.

UGa-814. Charcoal **420 ± 80**
AD 1530

Charcoal related to 3rd culture-bearing level, assoc with some bone and many flakes, depth 20cm.

UGa-818. Charcoal**1675 ± 85
AD 275**

Charcoal from rock-lined basin-shaped hearth with large piece of charcoal remaining. It is the deepest definite hearth found at site, 110cm below surface. *Comment* (EAM): except for UGa-810 from W bank which is either contaminated or dates recent sheep camp overlying site, the other dates, from the E bank, fit the expectations based on artifacts and stratigraphy very well. Coll and subm by E A Morris, Dept Anthropol, Lab Public Archaeol, Colorado State Univ, Fort Collins.

Dipper Gap site series

Site 5 Lg 101, Logan Co (40° 54' N, 103° 33' W). Samples were isolated fragments in D Layer at site assoc with projectile points, bifaces, side and end scrapers, flakes worked bone and rough grinding stones corresponding to the Plains Archaic-Early Middle period, McKean cultural affiliations.

UGa-453. Charcoal from Feature 5**3410 ± 90
1160 BC**

From fill around hearth, 1m below surface.

UGa-455. Charcoal from Feature 10**3520 ± 85
1570 BC**

From fill around hearth, .5m below surface.

UGa-456. Charcoal**3180 ± 90
1230 BC**

Fragments from D layer sec, 1.5mm diam, .2m deep.

Samples subm by Elizabeth Morris and coll by M D Metcalf, Colorado State Univ Archaeol Field School, Dept Soc & Anthropol, Colorado State Univ, Fort Collins, Colorado. *Comment* (EAM): dates consistent with expected results.

**UGa-661. Charcoal from Merino bison kill,
5 Lg 122****2945 ± 1475
995 BC**

Very small sample from disturbed hearth material in redistributed Bison bone deposit on edge of South Platte R, (103° 21' W, 40° 28' N). Artifacts include scrapers and bifaces which are not specific in age or cultural affiliations. Coll and subm by E A Morris. *Comment* (EAM): date as expected.

Spring Gulch site series

Spring Gulch series 5 Lr 252, Livermore, Colorado (40° 51' N, 105° 12' 30" W), a stratified site.

UGa-664. Feature 6, Level II**1075 ± 135
AD 875**

Charcoal from one of several high hearths in Level II.

- UGa-669. Feature 7, Level III** **2340 ± 85**
390 BC
Charcoal from one of lower hearths in Level III.
- UGa-670. Feature 5, Level III** **1315 ± 70**
AD 635
Charcoal from one of higher hearths in Level III.
- UGa-671. Feature 10a, Level IV** **2830 ± 135**
880 BC
Charcoal from lowest hearth excavated in Level IV.
- UGa-672. Feature 8, Level IV** **3095 ± 75**
1145 BC
Charcoal from hearth in deepest level excavated.
- UGa-673. Feature 3, Level III** **1705 ± 70**
AD 245
Charcoal from upper portion of Level III hearth.
- UGa-829. Feature 3, Level III** **2415 ± 85**
465 BC
Charcoal from hearth in lower portion of Level III. *Comment* (EAM): dates consistent with expected results. Coll and subm by E A Morris.

Indiana

- UGa-823. Harrison Co site, 12 Hr 103** **4400 ± 185**
2450 BC
Bone from features of mussel shell (pits) which extend into sterile clay (86° 00' 15" N, 38° 00' 01" W). *Comment* (DEJ): sample not originally coll for ¹⁴C age determination and was washed in water only. Archaic date, ca 2700 BC is expected. Coll and subm by D E Janzen, Dept Anthropol, Centre Coll, Danville, Kentucky.

Kansas

- UGa-381. Elliott site** **1935 ± 75**
AD 15
Charcoal hearth in midden of 14 Ge 312 (39° 2' N, 96° 37' W), Geary Co, Kansas. Hearth has Woodland component and site has Schultz focus traits. *Comment* (PJO'B): date is earlier than expected, but not impossible (O'Brien *et al*, 1973).
- UGa-382. Coffey site** **5505 ± 105**
3555 BC
Charcoal from Feature 11 hearth, Zone B, 3rd of 7 stratigraphic layers separated by sterile soil at Coffey Site 14 Po 1 (39° 34' N, 96° 34' W), at Pottawatomie-Marshall Co border. Materials in Zone A above Zone B are related to Grove focus in NE Oklahoma and Calf Creek in NW Arkansas. These are thought to be Middle or late Early Archaic and the date fits well (O'Brien *et al*, 1973).

Griffing site series

Site 14 Ry 401 (39° 11' N, 96° 36' W).

UGa-465. Charcoal **860 ± 60**
AD 1090

From Feature 20, trash storage pit in floor of house.

UGa-828. Charcoal **810 ± 60**
AD 1140

From same feature as UGa-465.

UGa-827. Charcoal **670 ± 60**
AD 1280

From Feature 19, storage pit. *Comment* (PJO'B): 5 GaK dates (1446-50 unpub) range from 250 to 280 BP but 860 BP agrees with sites on the Blue (Johnson, 1973) and Republic (Witty, 1963) Rivers. Kansas samples coll and subm by P J O'Brien, Dept of Soc and Anthropol, Kansas State Univ, Manhattan.

*Kentucky***Spencer Co 15 Sp 5 site series**

(85° 25' 56" N, 38° 01' 29" W).

UGa-837. Charcoal, Units 1 and 2, Feature 1 **1215 ± 55**
AD 635

Charcoal assoc with trash pit (bone and shell tempered pottery). *Comment* (DEJ): date should be ca AD 1300.

UGa-838. Charcoal **600 ± 75**
AD 1350

Charcoal assoc with Burial 3. *Comment* (DEJ): date should be ca AD 1300 or later.

UGa-839. Charcoal **1020 ± 60**
AD 930

Sample derived from large circular pit, ca 4.58m diam containing bone and shell tempered pottery. The feature was covered with 5 layers of limestone slabs. No burial was assoc with the feature and its meaning is unknown.

UGa-840. Bone **680 ± 80**
AD 1270

Sample's occurrence and history same as UGa-839. Subm to make comparison of this date with the date derived from charcoal sample. Coll and subm by D E Janzen, Dept Anthropol, Centre Coll, Danville, Kentucky.

*Missouri***Coons site series**

Coons site 23 Pl 16 (38° 12' N, 94° 43' W) at mouth of Brush Creek, Platte Co, Missouri.

UGa-392. Charcoal **635 ± 60**
AD 1315
From plow zone-mix boundary of House 1.

UGa-466. Charcoal **645 ± 60**
AD 1305
Fill above House 1 floor.

UGa-467. Charcoal **1045 ± 60**
AD 905
From Feature 1B, a storage trash pit under fireplace of House 1.

UGa-375. Charcoal **1180 ± 110**
AD 770
From same location as UGa-467.

Samples coll and subm by P J O'Brien, Kansas State Univ, Manhattan, Kansas. *Comment* (PJO'B): house dates are consistent with expectations, but pit dates are too early as charcoal was assoc with a Cahokian Ramey Incised sherd dating ca AD 1100.

James River Basin Archaeological Project series

UGa-886. Ingram site **750 ± 105**
AD 1200
Charcoal from Level 2 at 23 Gr303 (37° 9' N, 93° 12' W) assoc with a non-ceramic Woodland horizon.

UGa-887. Indian Cave-1 **775 ± 70**
AD 1175
Charcoal from Level 9 at 23 Wb 60 (37° 12' N, 93° 1' W) assoc with grit and crushed limestone sherds of a Woodland period occupational horizon.

UGa-888. Indian Cave-1 **760 ± 70**
AD 1190
Charcoal from Level 10, same site and assoc as UGa-887.

UGa-889. Turner Station site **1325 ± 130**
AD 625
Charcoal from post mold at 23Gr 10A (37° 11' N, 93° 10' W) assoc with Late Archaic-Early Woodland material. *Comment* (MJF): dates as expected. Coll by Michael J Fuller and subm by Robert Cooley, Southwest Missouri State Univ, Springfield.

North Carolina

UGa-1086. Jordan's Landing **525 ± 70**
AD 1425
Charcoal from 31Br 7, Berties Co, North Carolina (35° 53' 15" N, 76° 55' 30" W) from intact cooking pit with assoc ceramic ladle, bone fish hook, fish and mussel remains, also hickory nut fragments and seeds. Sample coll from bottom of pit around quartzite fire stones. Ceramic

assoc indicate late Tuscarora occupation and date agrees. Coll and comment by D S Phelps.

1590 ± 65

UGa-1085. Baum site

AD 360

Charred juncus grass fragments of woven grass mat upon which lay a cremated burial. This burial partly intruded into an ossuary containing 58 persons. Both date from the late Algonkian occupation of the site. Assoc ceramics are shell tempered. Date is much earlier than expected. Coll and comment by D S Phelps.

635 ± 70

UGa-1089. Baum site

AD 1315

Oyster from midden covering site, contains shell tempered ceramics. Baum site 31 Ck 9 is in Currituck Co, North Carolina (36° 17' 40" N, 75° 53' 20" W). Coll by D S P and R W Anthony. *Comment* (DSP): age is reasonable.

905 ± 65

UGa-1090. Kitty Hawk Bay site

AD 1045

Oyster shell from 31Dr 14, Collington I., Dare Co, North Carolina (36° 01' 20" N, 75° 43' 12" W), basal level of shell midden at high point of island, +12m. Assoc with shell tempered ceramics. Site C 3 in Haag (1958). Collected by R Bunn.

1685 ± 65

UGa-1088. Rush Point site

AD 265

Oyster shell from 31Dr 15, Collington I. (36° 01' 20" N, 75° 43' 45" W) from basal level of midden 30cm deep on ridge at +5m, assoc with sand and grit tempered ceramics. Coll by J G Justice and D S P.

720 ± 65

UGa-1087. White Court site

AD 1230

Oyster shell from 31Dr 33, Collington I. (36° 0' 21" N, 75° 43' 20" W) 20cm deep in a refuse pit. Coll by T Gardner. *Comment* (DSP): context indicates age should be about contemporaneous with Kitty Hawk Bay site sample.

The above North Carolina samples subm by D S Phelps, Dept Soc & Anthropol, East Carolina Univ, Greenville, North Carolina.

Oregon

855 ± 55

UGa-1003. North Mound, Neah-Kah-Nie Mt

AD 1095

Charcoal from filled pit over which a small stone mound was built (45° 44' 30" N, 123° 75' W). *Comment*: date is somewhat early to support theory that this was a survey marker built by Spanish explorers in 1579. Coll and comment by M W Jensen, Jr, Tillamook, Oregon.

UGa-819. Camp Cangaru site, N Colombia**985 ± 120****AD 965**

Charcoal from shell midden on Isla de Salamanca, a vegetated sandbar E of Santa Marta on N coast of Colombia (11° N, 74° 33' W). Cultural affiliation of site is uncertain but appears related to relatively late cultures of lower Magdalena R and Sierra Nevada de Santa Marta. Date is reasonable. Coll by Carson N Murdy, Peace Corps, and subm by Donald R Sutherland, Dept of Anthropol, Univ South Carolina, Columbia.

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