

## UNIVERSITY OF GEORGIA RADIOCARBON DATES III

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The following list of dates is of archaeological samples submitted in 1971-2, using the counting equipment described in R, 1971, v 13, p 468. Ages are quoted with a  $1\sigma$  counting error which includes statistical variation of the sample, background, and standard count. The reference year is AD 1950 and 0.95% NBS oxalic acid for  $^{14}\text{C}$  dating is the standard. The half-life used is 5570 years.

Sample descriptions were prepared in collaboration with collectors and submitters.

### ACKNOWLEDGMENTS

The Laboratory is supported by the General Research Department of the University of Georgia. The sample preparation and technical assistance of D F Smith is gratefully acknowledged.

### SAMPLE DESCRIPTIONS

#### ARCHAEOLOGIC SAMPLES

#### *Alabama*

**UGa-399. Morgan County** **1575 ± 75**  
**AD 375**

Charred bark and wood from 1-Mg-62a-53, Morgan Co, Alabama (34° 32' 28" N, 86° 48' W), assoc with primary burial pit. Dates initial stage of Copena mound construction. Burial lay in small pit near base of mound. It was either a tightly flexed burial or a re-burial. The skull had been covered with a layer of blue clay. Pit also contained 2 green stone celts. Site excavated by Univ Alabama Museums.

**UGa-400. Marshall County** **1630 ± 65**  
**AD 320**

Charred bark and wood from 1-Ms-134a-78, Marshall Co, Alabama (34° 22' 35" N, 86° 21' W). Sample is from primary rectangular burial pit in Copena complex, middle Woodland culture and should date initial stage of mound construction. Site excavated during archaeol salvage project of Guntersville Basin (c1938) (Webb and Wilder, 1951). Alabama samples subm by J A Walthall, Dept Anthropol, Univ Alabama.

#### *Alaska*

**UGa-253. Teklanika River** **3465 ± 120**  
**1515 BC**

Charcoal from site (West, 1965; 1967) on Teklanika R, Mount McKinley Park, Alaska (63° 40' 35" N, 149° 45' 20" W), depth 68cm. Sample overlies zone of concentration of artifacts and is apparently not cultural, but may represent a forest fire serving as a stop-date on

the cultural material. Coll, subm, and comment by F H West, Dept Anthropol, Alaska Methodist Univ, Anchorage.

*Georgia*

**Little Egypt site series**

Little Egypt site 9-Mu-102, Carters Dam, Murray Co, (34° 36' 7" N, 84° 41' 55" W).

**UGa-205. Charcoal, Structure 1, Mound A** **500 ± 70**  
**AD 1450**  
Charred roof and/or wall members lying on floor of temple structure 1, NE quad of Mound A.

**UGa-208. Charcoal** **425 ± 55**  
**AD 1525**  
Same location as UGa-205.

**UGa-204. Charcoal** **50 ± 75**  
**AD 1900**  
Same location as UGa-205, but seems to have been a modern intrusion, possible a fence post.

**UGa-210. Charcoal** **395 ± 65**  
**AD 1555**  
Charred roof and/or wall members lying on floor of temple structure in SW quad of Mound A. Structure should be contemporaneous with Structure 1 (UGa-204, -205, -208). Samples subm by D J Hally, Dept Anthropol, Univ Georgia.

**Plant Hammond site series**

Plant Hammond Site 9-FI-100, Floyd Co, Georgia (34° 15' 0" N, 85° 20' 55" W).

**UGa-142. Wood charcoal, Structure 1** **830 ± 70**  
**AD 1120**  
From log on floor of house at SE corner of site mound.

**UGa-143. Charcoal bits, Structure 3** **660 ± 70**  
**AD 1290**  
From structure of 12 by 15m.

**UGa-328. Charcoal from Feature 20** **945 ± 140**  
**AD 1005**  
Charcoal from sub-mound midden.

**UGa-141. Shell from Feature 20** **3320 ± 75**  
**1370 BC**  
Shell from same area as UGa-328, both assoc with Swift Creek and Candy Creek sherds. *Comment:* charcoal date is expected, shell date is much too old. Subm and comment by A C Smith, Georgia Power Co.

**Potts Tract series**

Potts Tract 9-Mu-103, Murray Co, Georgia (34° 35' 30" N, 84° 40' 25" W).

- 1022 ± 40**
- UGa-55. Charred wood from Feature #133** **AD 928**  
Date agrees with estimated date, AD 1000, for Woodstock period.
- 286 ± 45**
- UGa-56. Charred wood for Structure 1B** **AD 1664**  
Sample represents Barnett phase with estimated date of AD 1500.  
Potts Tract samples subm by D J Hally.
- Sapelo Shell Ring series**  
Shell rings on N Sapelo I., McIntosh Co, Georgia (31° 30' 47" N, 81° 14' 45" W).
- 3430 ± 65**
- UGa-73. Oyster, 1m depth** **1480 BC**
- 3430 ± 70**
- UGa-74. Oyster, 2m depth** **1480 BC**
- 3545 ± 65**
- UGa-75. Oyster, 2m depth** **1595 BC**  
Several shell ring middens exist on Sapelo. UGa-73, -74 are from a relatively undisturbed ring of ca 50m diam and 2 to 3m high. UGa-75 is from remnant of one of neighboring rings that were partially quarried. Samples subm by V J Henry, Skidaway Inst Oceanog. Earlier dates, 3600 ± 350 and 3800 ± 350 (M-39), from same location are discussed by Crane (1956) and Williams (1965).
- 1736 ± 60**
- UGa-65. Great Southwest Atlanta site, 9-Fu-14** **AD 214**  
Charred wood from Feature 65, Site 9-Fu-14, Fulton Co, Georgia (33° 47' 15" N, 84° 33' 50" W). Date agrees with estimated AD 300 for Cartersville period. Subm by J R Caldwell, Dept Archaeol, Univ Georgia.
- 666 ± 55**
- UGa-68. Sandtown, 9-Fu-1** **AD 1284**  
Charred wood in direct assoc with a Savannah Complicated Stamped vessel from Site 9-Fu-1, Fulton Co, Georgia (33° 47' 0" N, 84° 33' 50" W). Date agrees with estimated AD 1300 for "North Georgia Savannah". Subm by J R Caldwell.
- 905 ± 50**
- UGa-70. Sixtoe, XUH, 9-Mu-100** **AD 1045**  
Freshwater periwinkle shell from Pit A, Feature 18, Site 9-Mu-100 (excavation Unit H), Murray Co, Georgia (84° 45' 50" N, 34° 36' 40" W). Date agrees with estimated AD 1100 for Etowah III materials. Subm by J R Caldwell.
- 306 ± 50**
- UGa-72. 9-Mu-100** **AD 1644**  
Charred wood from Structure 1, Site 9-Mu-100 (excavation Unit A), Murray Co, Georgia (84° 45' 39" N, 34° 36' 51" W). Date is later than estimated AD 1400 for "Early Dallamar". Subm by J R Caldwell.

**Singer Moye site series**

Singer-Moye Site 9-Sw-2, Stewart Co, Georgia (31° 57' 50" N, 84° 45' 10" W).

**UGa-356. Mound D charcoal** **680 ± 80**  
**AD 1270**

Recovered from refuse pit cut through floor of square earth lodge on NW corner of ceremonial area. Structure was not burned, but collapsed.

**UGa-357. Mound A charcoal** **550 ± 60**  
**AD 1400**

From main roof support of uppermost structure. Assoc ceramics include Lamar Complicated Stamped and fragment of a negative painted water bottle with a high relief human face modeled on the side. Sample dates last major occupation of site. Both dates agree with expectations. Subm and commented on by F T Schnell, Columbus Mus Arts and Crafts, Columbus, Georgia.

**UGa-307. Foster's Bend, Floyd Co** **540 ± 55**  
**AD 1410**

Charcoal timber fragments from possibly palisaded village in NW segment of Foster's Bend, Coosa R (34° 11' 52" N, 85° 23' 50" W). Nearby, small plowed area is littered with sherds, shell, chipped stone, and human bone fragments. There is a small (5%) Dallamar component and a much larger Lamar (95%) occurrence. Date is consistent with archaeological evidence. Battey (1922) describes sites. Coll and subm by P H Garrow, Dept Soc and Anthropol, Shorter College, Rome, Georgia.

*Indiana***Reid site series**

Reid site, Floyd Co, Indiana (85° 52' 7" N, 38° 13' 00" W).

**UGa-267. Charcoal from shell hash** **4555 ± 70**  
**2605 BC**  
Level 7, Test Pit 1.

**UGa-266. Charcoal** **4585 ± 80**  
**2635 BC**  
Levels 23-24, Test Pit 1.

**UGa-309. Charcoal** **5480 ± 90**  
**3530 BC**  
Levels 21-24, Test Pit 1.

UGa-267 is terminal date of shell hash in Archaic site. UGa-309 represents initial habitation of site and is oldest charcoal date in state of Indiana. Coll and subm 1971; comment by D E Janzen, Centre College Kentucky, Danville.

**UGa-308. Prather site charcoal** **905 ± 70**  
**AD 1045**  
Area C, Level 10, Prather site, Clark Co, Indiana (85° 41' 45" N, 38° 22' 38" W). Charcoal assoc with wall-trench house at basal level of site. Coll and subm 1971; comment by D E Janzen.

**UGa-299. Commissary site, Henry Co** **1315 ± 105**  
**AD 635**  
Charcoal from pit, 33cm depth (40° 47' 30" N, 85° 21' W). Assoc with early Late Woodland vessel (Griffin, 1972, pers commun). Date is expected (Swartz, 1972; 1973). JBG suggests that closest parallels are at Lewis site (Cole, 1951). Coll and subm 1972 by J B Swartz, Jr, Ball State Univ, Muncie, Indiana.

#### *Kentucky*

#### **Dedmon site series**

Dedmon site is in NE sec of Marshall Co, SW bank Tennessee R (37° 2' N, 88° 17' 30" W).

**UGa-247. Charcoal, MI-68-530** **905 ± 85**  
**AD 1045**  
From Feature 7, a large shallow refuse midden.

**UGa-251. Charcoal, MI-68-900** **910 ± 75**  
**AD 1040**  
From same feature as UGa-247.

**UGa-249. Charcoal, MI-68-718** **690 ± 90**  
**AD 1260**  
From Feature 38, an oval pit. *Comment* (POD): no significant vertical stratigraphy in this site.

#### **Owen site series**

Owen site is in NE sec Marshall Co, near Dedmon site.

**UGa-255. Charcoal, MI-69-9** **2040 ± 80**  
**90 BC**  
From Feature 2, a circular flat-bottomed pit.

**UGa-256. Charcoal, MI-69-37** **1875 ± 185**  
**AD 75**  
From Feature 9, a circular flat-bottomed pit.

Owen and Dedmon site samples were coll 1969 by Univ Kentucky I-24 salvage program and subm by Phillip Drucker, Dept Anthropol.

#### **Horning site series**

Horning site, Jefferson Co (38° 00' 2" N, 85° 56' 20" W). Coll and subm by D E Janzen.

**UGa-261. Charred nut hulls** **4240 ± 95**  
**2290 BC**  
Level 4, 23 to 30cm, Unit 13.

- UGa-262. Charred nut hulls and wood** **4315 ± 60**  
**2365 BC**  
Level 5, 30 to 38cm, Unit 13.
- UGa-390. Charcoal** **5085 ± 85**  
**3135 BC**  
Level 3, 15 to 23cm, Unit 18, small fire pit.
- UGa-401. Charcoal** **5100 ± 75**  
**3150 BC**  
Level 6, 38 to 46cm, Unit 20, from general midden deposit. *Comment* (DEJ): UGa-261 and -262 represent terminal Archaic occupancy. Some intrusion of Early Woodland ceramic. Dates on Levels 10 (M-2460, 2950 BC) and 13 (M-2461, 3270 BC) (Crane and Griffin, 1972), from same site fit into stratigraphy very well. UGa-401 dates almost earliest occupation of site.
- UGa-290. Charcoal, 15-Ch-302** **4450 ± 90**  
**2500 BC**  
Feature 3 of Archaic site, 15-Ch-302, near Hopkinsville (36° 45' 46" N, 87° 32' 35" W). Coll and subm by J M Schock, Dept Soc Anthropol, Western Kentucky Univ, Bowling Green.
- Louisiana*
- Pierre Clement site series**  
The Pierre Clement site CM-47 is in Cameron Parish (29° 50' N, 92° 52' W).
- UGa-332. Charcoal** **585 ± 60**  
**AD 1365**
- UGa-351. Rangia** **665 ± 65**  
**AD 1285**  
*Comment* (JS): both shell and charcoal, are from pit 27 to 40cm below surface of topmost level of site that contains shell-tempered and Palaquemine pottery.
- Bruly St Martin site series**  
Bruly St Martin (or Grand Bayou) site, Iberville Parish (30° 3' N, 91° 8' W).
- UGa-329. Charcoal** **1240 ± 65**  
**AD 710**  
43 to 50 cm bd.
- UGa-335. Charcoal** **1275 ± 60**  
**AD 675**  
110 to 120cm bd.
- UGa-331. Charcoal** **1380 ± 185**  
**AD 570**  
60 to 67cm bd.

**UGa-330. Charcoal**

95 to 105cm bd.

*General Comment* (JS): samples were contained in a natural levee deposit. Datum is ca 15cm above surface. Assoc cultural material is of Troyville period. Coll and subm by James Springer, Yale Univ, New Haven, Connecticut.

*Massachusetts***UGa-393. Wapanucket #8 site**

Charcoal of small twigs from 52cm (33cm below plow line) below present surface in refuse pit, Feature 349, dug in reworked glacial till of Wapanucket #8 site, Middleboro, Plymouth Co, Massachusetts (41° 51' 46" N, 70° 51' 16" W). *Comment*: date provides minimum inhabitation date for this Archaic site (Robbins, 1968). Coll, subm, and comment by Maurice Robbins, Bronson Mus, Attleboro, Massachusetts.

*Mississippi***Wilford site series**

Wilford site in Coahoma Co, Mississippi (34° 23' 33" N, 90° 29' 40" W).

**UGa-285. Charcoal**

From large center pit in House #1 where center support post was located.

**UGa-283. Charcoal**

From postmold of support post inside pattern of House #1. Rootlets hand picked.

**UGa-281. Charcoal**

From burned post in NE Wall trench of House #2. *Comment*: AD 1400 dates are as expected. House #1 is 1st recognized platform type house known to us. It consisted of a large platform type house built on 144 pilings arranged in rows of 12, with center support post that went through platform and supported roof. House was at least 11m on 1 side with overhanging roof or porch around exterior and a stairway on the SE side. Superimposed Houses 2, 3, and 4 were similarly constructed, but much smaller.

**UGa-279. Hays site charcoal**

Hays site 22-Co-612, Coahoma Co, Mississippi (34° 4' 10" N, 90° 29' 35" W). Charcoal from a large postmold in the center of 2 superimposed house patterns constructed similarly to those of Wilford site. Rootlets hand picked, sample may be intrusive.

**1555 ± 70****AD 395****3435 ± 85****1485 BC****720 ± 55****AD 1230****485 ± 55****AD 1465****525 ± 60****AD 1425****245 ± 60****AD 1705**

- 1780 ± 100**
- UGa-488. Dickerson site charcoal** **AD 170**  
 Dickerson site 22-Co-502, Coahoma Co, Mississippi (34° 18' 48" N, 90° 36' 44" W). Coll by E G Larson.  
 Expected date: ca AD 300. Assocs: 50% Mulberry Creek Cordmarked, 40% Baytown Plain, and 10% Marksville Incised and Indian Bay Stamped. A small, well fashioned, clay figurine, quite detailed, overlay charcoal sample. Figure, 5cm high, was in a kneeling position wearing breech cloth and belt. Head was missing.
- 1075 ± 85**
- UGa-280. Barner site charcoal** **AD 875**  
 Barner site 22-Co-542, Coahoma Co, Mississippi (34° 10' 30" N, 90° 28' 7" W). Sample from Pit #8 (a bell-shaped refuse pit) and assoc with Baytown Plain, Mulberry Creek Cordmarked, and some Coles Creek Incised. Date is as expected.
- Longstreet site series**  
 Longstreet site 22-Qu-253, Quitman Co, Mississippi (34° 6' 44" N, 90° 18' 54" W).
- 5000 ± 120**
- UGa-337. Fecal pellets, worm casts** **3050 BC**  
 0.7 to 0.9m below surface.
- 4875 ± 145**
- UGa-336. Fecal pellets, worm casts** **2925 BC**  
 1.0 to 1.1m below surface.
- 5075 ± 130**
- UGa-284. Denton site charred nut hulls** **3125 BC**  
 Denton site 22-Qu-522, Quitman Co, Mississippi (34° 9' 4" N, 90° 19' 26" W). Same as UGa-212 (R, 1972, v 14, p 493) but from 0.5 to 0.7m below surface. Date is in correct range.  
 Longstreet and Denton site dates are consistent with cultural material. At present they are the oldest radiocarbon-dated sites in Mississippi.  
 All of the preceding Mississippi samples were coll and subm (except UGa-488) by Sam McGahey and John Connaway, Dept Archives and History, State of Mississippi. Comments by J C, with further discussion of Denton, Hays, and Wilford sites in Connaway and McGahey (1970).
- Claiborne site series**  
 Claiborne site 22-HA-35, Mullatto Bayou, Hancock Co, Mississippi (30° 10' 10" N, 89° 34' 30" W) at mouth of Pearl R.
- 540 ± 60**
- UGa-362. Level I charcoal** **AD 1410**
- 570 ± 60**
- UGa-358. Level II charcoal** **AD 1380**

**UGa-360. Level II charcoal** **1455 ± 85**  
**AD 495**

**UGa-359. Level III charcoal** **3175 ± 140**  
**1225 BC**

**UGa-361. Level III charcoal** **>40,000**

UGa-358 apparently belongs in Level I of archaeol unit. Several flint chips assoc with UGa-360. In retrospect, UGa-361 which looked like cannel coal apparently was and it is possible that UGa-359 also contained some peaty material with the wood charcoal and dates older than warranted. Samples subm by Richard Marshall, Mississippi State Univ, State College, Mississippi.

*Ohio*

**UGa-318. Hamilton Co** **1785 ± 345**  
**AD 165**

Charcoal from Headquarters site, 33-Ha-65 (39° 8' 8" N, 84° 47' 44" W). Site discussed by Starr (1960); Lee and Vickery (1972). Sample from midden fill in grave containing extended burial (3) and Middle plain and cordmarked, limestone-tempered pottery. Site is village burial area, and date is satisfactory for assoc Middle Woodland ceramics.

**UGa-306. Clermont Co** **4065 ± 150**  
**2115 BC**

Charcoal and burned nut hull fragments from Late Archaic Maple Creek site, 33-Ct-52 (38° 49' 19" N, 84° 13' 28" W). Sample from earth oven (Feature 10) assoc with Horizon III occupation, 0.43m below surface. Appraisal of date is difficult due to lack of dated Archaic sites in SW Ohio, but seems to agree with temporal placement of late Archaic generally in Ohio Valley.

**UGa-327. Clermont Co** **3260 ± 330**  
**1310 BC**

Charred nut hull fragments from earth oven, Maple Creek site, assoc with Late Archaic, Laurentian-related, Horizon I occupation, 190m below surface. Date in expected range. Comments and description by K D Vickery, Dept Anthropol, Univ Cincinnati.

*South Carolina*

**I.C. Few site series**

I.C. Few site 38-Pn-2, on Keowee R at Nimmons bridge, Pickens Co, South Carolina (34° 51' 39" N, 82° 52' 30" W).

**UGa-322. Feature 49, charred timber** **1060 ± 60**  
**AD 890**

Assoc with Feature 30, a possible structure. Site is a burial mound.

**UGa-323. Feature 24, Cache of charred nuts** **725 ± 75**  
**AD 1225**

**UGa-324. Feature III, charcoal fragments** **1065 ± 60**  
**AD 885**  
Assoc with Burial 15.

**UGa-325. Charred wood from mound fill** **1175 ± 65**  
**AD 775**

*General Comment (RTG):* date for UGa-323 indicates that nuts are somehow intrusive. Other dates are similar to those from Chauga site across the river in Oconee Co (Kelly and Neitzel, 1961). Chauga is also a Cherokee site and presumably related to the I.C. Few site (Grange, 1971). Excavated 1967 by Inst Archaeol and Anthropol, Univ South Carolina, Columbia. Site is now inundated by reservoir and was previously designed as 38-Pi-2. Samples subm by R T Grange, Jr, Dept Anthropol, Univ South Florida, Tampa.

#### **Blair Mound site series**

Blair Mound site 38-Fa-48, Fairfield Co, South Carolina (34° 27' N, 81° 26' W).

**UGa-406. Charcoal** **755 ± 90**  
**AD 1195**  
Level C surface, 0.27m bd.

**UGa-405. Charcoal** **625 ± 75**  
**AD 1325**  
Level C-D contact. Subm by Robert Stephenson and George Teague, Inst Archaeol and Anthropol, Univ South Carolina, Columbia.

**UGa-410. Charles Towne site charcoal** **450 ± 60**  
**AD 1500**  
Charles Towne site 38-Ch-1, Charleston Co, South Carolina (32° 50' N, 79° 55' W). From pit (F322) at E corner of ceremonial compound where midden was built up when area was used. Subm by S South and R Stephenson, Inst Archaeol and Anthropol, Univ South Carolina, Columbia.

#### *Colombia, South America*

**UGa-311. Puerto Hormiga oyster** **5090 ± 80**  
**3140 BC**

*Comment (DLC):* Puerto Horniga, Colombia (10° 8' N, 75° 29' W) is earliest known ceramic-bearing shell midden in E South America and represents earliest Formative phase in area. Sample compared with other early dates, pushes "beginning" of fiber tempered pottery-making industry to comparable periods with W South American sand tempered wares. Sample coll by G Reichel-Dolmatoff; subm and commented on by D L Crusoe, Southeast Archeol Center, Tallahassee, Florida.

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