



1986

74-Paleoethnobotanical Remains from Three Sites in the Mark Twain National Forest, Missouri

William M. Cremin
Western Michigan University

Follow this and additional works at: http://scholarworks.wmich.edu/archaeology_reports_of_investigations

 Part of the [Archaeological Anthropology Commons](#)

WMU ScholarWorks Citation

Cremin, William M., "74-Paleoethnobotanical Remains from Three Sites in the Mark Twain National Forest, Missouri" (1986).
Reports of Investigations. Paper 51.
http://scholarworks.wmich.edu/archaeology_reports_of_investigations/51

This Report is brought to you for free and open access by the Anthropology at ScholarWorks at WMU. It has been accepted for inclusion in Reports of Investigations by an authorized administrator of ScholarWorks at WMU. For more information, please contact maira.bundza@wmich.edu.



William M. Cremin

PALEOBOTANICAL REMAINS FROM THREE SITES
IN THE MARK TWIN NATIONAL FOREST, MISSOURI

1986

REPORT OF INVESTIGATIONS NO. 74

WESTERN MICHIGAN UNIVERSITY

DEPARTMENT OF ANTHROPOLOGY

DEPARTMENT OF ANTHROPOLOGY
WESTERN MICHIGAN UNIVERSITY
Kalamazoo, Michigan 49008



Western Michigan University
Kalamazoo, Michigan 49008-3899

25 May 86

Department of Anthropology
(616) 383-4058

Mr. Ronald Pulcher
American Resources Group, Ltd.
127 North Washington
Carbondale, Illinois 62901

Dear Ron:

My associate, Dave De Fant, and I have completed our examination of the contents of 11 bags and two vials from three sites in the Missouri Ozarks that you recently submitted to us. These materials aggregate 413 specimens weighing 19.52 g of plant residues, as well as one potsherd (23DE33, Analytic Sample # 2) and two pieces of burnt bone (23DE33, AS # 1; 23DE33, AS # 6). The carbonized plant remains consist of wood charcoal (231 pieces; 10.49 g); nutshell (181 fragments; 8.89 g), and one unidentified seed-like specimen (0.14 g) that is not corn (*Zea mays*). These data are summarized in the table that accompanies this report.

Suffice it to say, we have not found anything unusual in the plant material, given the temporal placement/cultural affiliation suggested in your letter briefly describing the sites and providing the specific proveniences for all analytic samples submitted to us for study.

Yours truly,

William M. Cremien, Ph.D.
Associate Professor

Table 1: Paleoethnobotanical Remains from Three Sites in the Mark Twain National Forest, Missouri.

<u>Lot no.</u>	<u>ARG no.</u>	<u>Provenience</u>	<u>Sample Volume</u>	<u>Contents wt(g)/ct</u>	<u>Comments</u>	
<u>23CT290</u>	1	Unit 3, Level 3	5	.06	2	- Wood Charcoal <u>Quercus</u> spp. (white oak group)
				.10	33	unid. charcoal
<u>23BU279</u>	1	Unit 1, Fea. 1	5	2.21	18.	- Wood Charcoal <u>Quercus</u> spp. (red oak group)
				.57	8	<u>Quercus</u> spp. (white oak group)
				.20	1	<u>Pinus strobus</u> (white pine)
				.18	4	unid. diffuse-porous
				1.63	55	unid. charcoal
<u>23DE33</u>	1	Unit 1, Level 3	5	.05	1	- Wood Charcoal <u>Carya</u> sp. (hickory)
				.48	14	unid. charcoal
				.30	1	- Nutshell <u>Juglans nigra</u> (black walnut)
			(screened)	.14	1	- Seed unid. distorted seed
				.07	1	- Other (burnt bone)
2	2	Unit 1, Level 4	5	.28	5	- Wood Charcoal <u>Quercus</u> spp. (red oak group)

Table 1, cont.

<u>Lot no.</u>	<u>ARG no.</u>	<u>Provenience</u>	<u>Sample Volume</u>	<u>Contents wt(g) / ct</u>	<u>Comments</u>	
				.05	2	<u>Fraxinus spp.</u> (ash)
				.39	9	unid. charcoal
				1.38	12	-Nutshell
				.11	1	<u>J. nigra</u>
						<u>Carya ovata</u> (shagbark hickory)
				1.22	17	<u>Carya spp.</u> (thickshell)
				.05	2	<u>Carya spp.</u> (thinshell, probably <u>C. cordiformis</u> or bitternut hickory)
				.29	1	-Other (potsherd)
3	3	Unit 1, Level 5	5	.28	8	-Wood Charcoal
				.47	16	<u>Quercus spp.</u> (white oak group)
						unid. charcoal
				.11	2	-Nutshell
				1.23	27	<u>J. nigra</u>
				.07	1	<u>C. ovata</u>
						<u>Quercus sp.</u> (acorn)
4	4	Unit 1, Level 6	5	.08	1	-Wood Charcoal
				.09	1	<u>Castanea dentata</u> (American chestnut)
				.17	8	<u>Quercus sp.</u> (red oak group)
						unid. charcoal
				3.11	55	-Nutshell
						<u>Carya spp.</u> (thickshell, probably <u>C. ovata</u>)

<u>Lot no.</u>	<u>ARG no.</u>	<u>Provenience</u>	<u>Sample Volume</u>	<u>Contents wt (g) / ct</u>	<u>Comments</u>	
5	5	Unit 1, Level 7	5	.54	5	-Wood Charcoal <u>Quercus rubra</u> (red oak)
				.12	3	<u>Carya spp.</u> (hickory)
				1.86	22	und. charcoal
						-Nutshell
				.04	2	<u>J. nigra</u>
				.07	1	<u>Carya tomentosa</u> (mockernut hickory)
				1.05	24	<u>Carya spp.</u> (thickshell species)
6	6	Unit 1, Level 8	5	.07	1	-Wood Charcoal
				.13	2	<u>J. nigra</u>
				.36	4	<u>Carya spp.</u> <u>Quercus spp.</u> (white oak group)
				.12	8	und. charcoal
						-Nutshell
				.10	3	<u>J. nigra</u>
				.03	2	<u>Carya spp.</u> (thinshell, probably the bitternut hickory)
				.02	2	<u>Carya spp.</u> (thickshell species)
7		Unit 1, Level 9	5			No plant material from this provenience sent