

Maize = Corn in the US

How are food and population related? (one sentence)

How do tiered societies develop?

or

What are the advantages of a tiered society?

What did you learn about Cahokia?

What did people do to learn about Cahokia?

What problems did people have while studying Cahokia?

What fueled Cahokia?

What was the purpose of Cahokia?

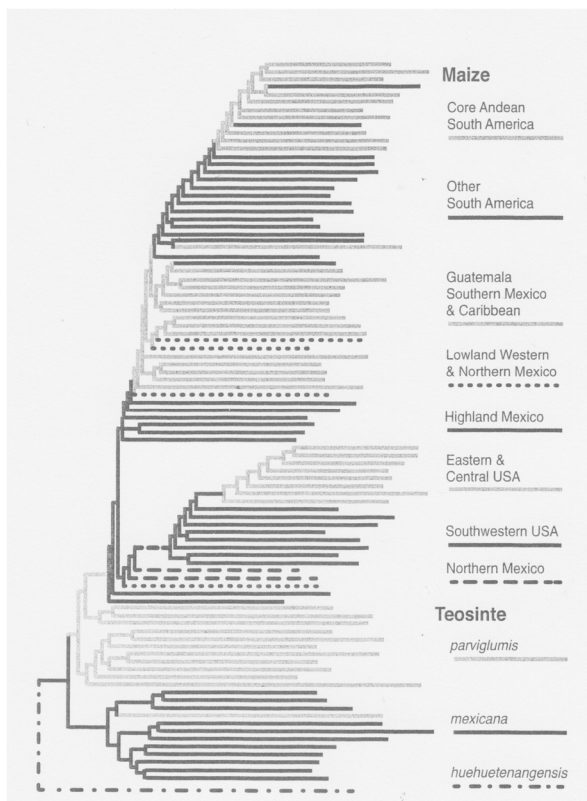
Two theories of maize and its origin

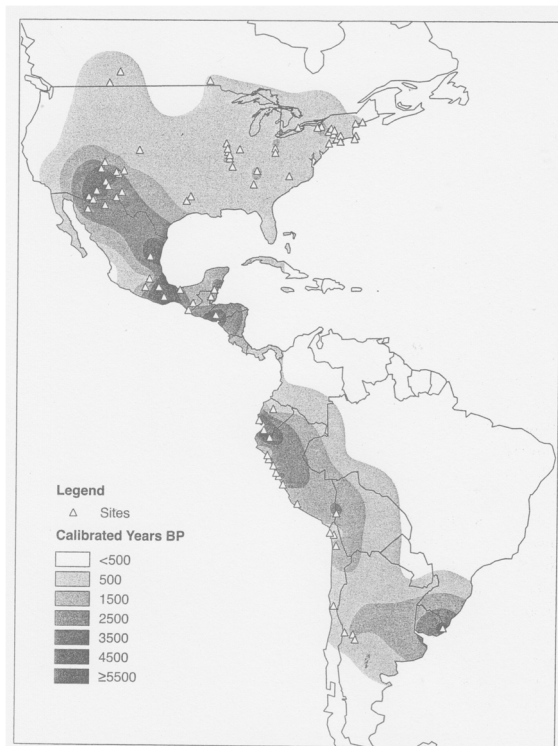
a. Ancient Maize

b. Teosinte (*Zea mays* v. *parviglumis*)

Maize is not free threshing – husk plus basal glumes.

Teosinte is “free-threshing”





Bottle Gourd (Calabash)

Lagenaria siceraria

ssp siceraria (Africa)

ssp asiatica (Asia)

Cucurbita pepo

summer squash

winter squash including pumpkins

Helianthus annuus var. *macrocarpus*

Sunflower

Clear evidence of increasing seed size = cultivation

Iva annua var. *macrocarpa*

Marshelder

Sumpweed

Clear evidence of change in seed shape = cultivation

Now a lost crop

Chenopodium berlandieri ssp. *Jonesianum*

Pitseed Goosefoot, Lambs quarter, same family as quinoa

Phalaris caroliniana

Maygrass – many useful plants from the grasses
cultivated, not domesticated

Polygonum erectum – erect knotweed

Cave archaeology

Patty Jo Watson – Salts and Mammoth Caves in Kentucky

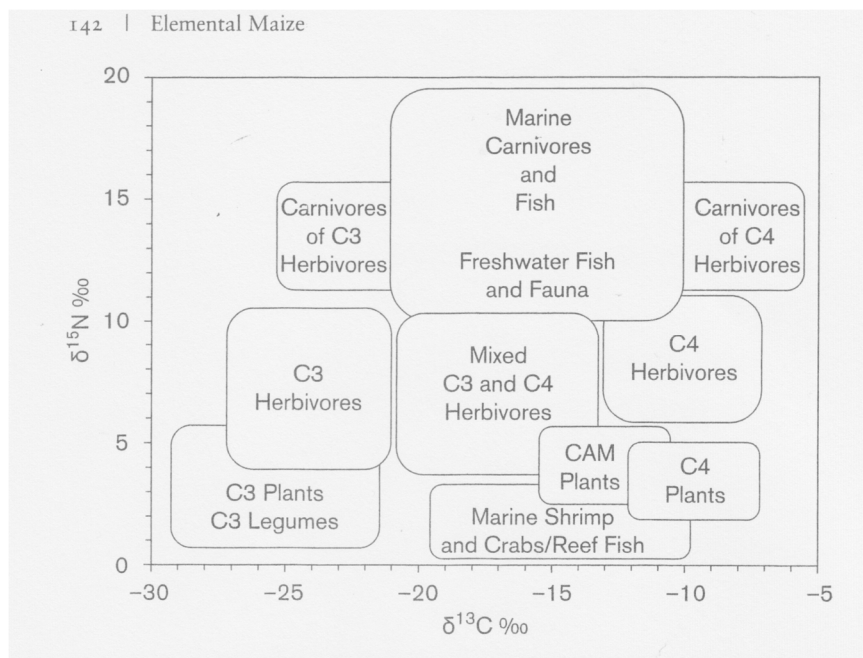


Food in refuse pits.

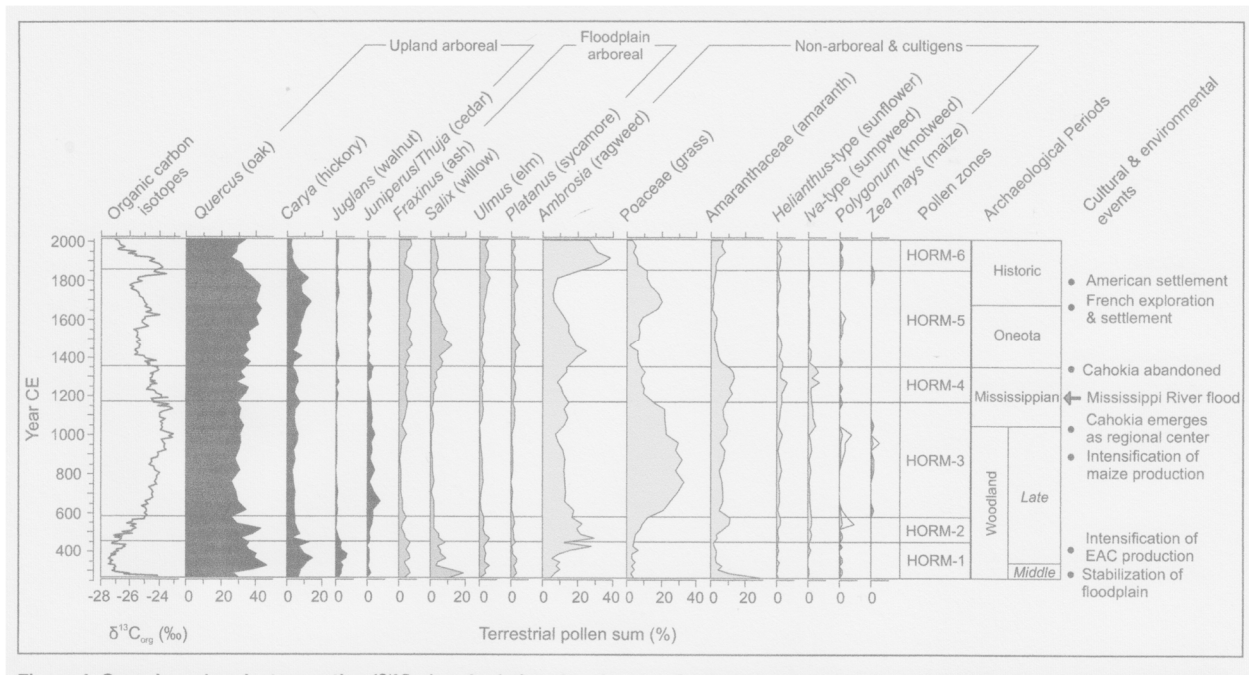
Bodies in Mound 72

^{14}C vs ^{13}C vs ^{12}C

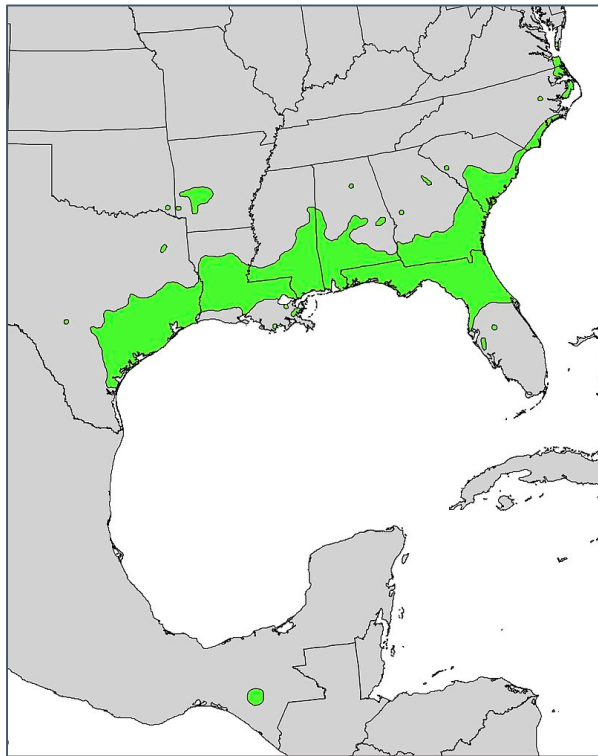
^{14}N vs ^{15}N



Where did beads, copper, corn come from?



Pottery and “Black Drink”. Theobromine. (*Theobroma cacao*)



Ilex vomitoria.

Nixtamalization



Piki bread of the Hopi

Chicha

Chaco Canyon

Maize

How were they organized?

Hopi blue corn and the origin of the Hopi.

Other crops plus Kivas

Chocolate

Artemisia spp., especially *Artemisia tridentata* (sage)

Cercocarpus parvifolius

Chrysothamnus viscidiflorus

Eurotia lanata

Picea spp.

Pinus edulis (Pinyon Pine, also source of pine nuts)

Current commercial uses.

El Tajin

Similarities

Vanilla

Summary:

Global Literacy	What is being assessed
3.1 Global Awareness	Awareness of the scales of human impact on the natural/ human world
3.2 Perspective Taking	Awareness of diverse perspectives and open-mindedness
3.3 Cultural Diversity	Knowledge of cultural diversity across a spectrum of difference.
3.4 Understanding Global Systems	Ability to examine global systems
3.5 Applying Knowledge to Contemporary Global Contexts	Ability to apply knowledge to address global challenges from diverse perspectives