ANT 202 FACT Sheet November 4, 2014

X Origins of Food Production

A Basic concepts

1 Domestication: the process by which people control the distribution, abundance and biological features of certain plants and animals in order to increase their usefulness for humans. For plants this involves:

a preparing the ground
b selecting and sowing seeds
c harvesting
d storage

B Representation in the archaeological record: Distinguishing domesticates

1 Plants
2 Animals

C Primary Centers

<table>
<thead>
<tr>
<th>Region</th>
<th>Plants</th>
<th>Animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW Asia- (Fertile crescent)</td>
<td>10,000 B.C. Wheat, barley, rye</td>
<td>9500 B.C. goats, sheep 6000 B.C. Cattle, pigs</td>
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<tr>
<td>SE Asia</td>
<td>9000 B.C. Rice</td>
<td>7000 B.C. pigs, chickens</td>
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<tr>
<td>Central Africa</td>
<td>2000 B.C. Millet Yams</td>
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<tr>
<td>Mesoamerica/Central America</td>
<td>8000 B.C. Squash 4000 B.C. Maize, Sweet potato, beans, avocados</td>
<td>Turkeys</td>
</tr>
<tr>
<td>South America</td>
<td>7000 B.C. Squash,</td>
<td>3000 B.C. llamas,</td>
</tr>
</tbody>
</table>
guinea pigs,
3000 B.C. cotton, potatoes
lima beans
Southeastern North America 2000 B.C.
Goosefoot
Sunflower
Marsh elder

C  Theories about the rise of agriculture

1  Gordon Childe’s Neolithic revolution or the “oasis” hypothesis.

2  Ester Boserup’s population pressure model
   a  Mark Cohens – population and agricultural intensification

4  Peter Rowley-Conwy Tell Abu Hureyra 11,500-6000 B.C.

D  Earliest Neolithic Archaeological Sites: SW Asia
   a  Fertile Crescent, Jericho

E  The Spread of the Neolithic

1  Turkey: Catal Hoyuk—7000 B.C.
   a  Impressive art

2  Central Europe
   a  Bandkeramic Complex 5000 B.C.
      i  Line-decorated pottery
      ii  Long houses
      iii  Indo-European Speakers?

3  Western Europe 4000 B.C.
   i  Megaliths
ii “Corporate” Burial Mounds

iii Henges (circular ditches)

(i) Stone Henge (ditch-3000 B.C., Stone circle 2000 B.C.)

F Domestication in the New World

1 Mesoamerica:
   a Squash first, then corn or maize (domesticated from a giant wild grass [Zea mays])
      i Tehaucan Valley—10,000 B.C.—A.D. 1000 (Series of sites) Richard MacNeish

XI Transition to Farming: the Early Farming Adaptation in North America

A Basic Concepts

B Southwestern North America

1 Present day environment-dry

2 Native American groups