GEOG3839
INTRODUCTION TO
DENDROCHRONOLOGY
GRADUATE PRESENTATIONS

NOVEMBER 19
NOVEMBER 21
REVISING FIRST DRAFT

NOVEMBER 26
refined & final topic
preliminary reference list
clear statement of purpose
detailed outline
topic sentences
complete paragraphs
limited number of figures
a conclusion that connects back to the SOP
PLEASE BRING TO CLASS
TWO HARDCOPIES
WHAT QUESTIONS WOULD YOU WANT TO ASK BEFORE TRYING TO APPLY TREE-RING DATING?
THE ARTIFACT

ITS TREE RINGS
Dates assigned to crossdated wood or charcoal specimens that possess evidence that the last ring present on the specimen was the last ring grown by the tree before it died.
NONCUTTING DATES

Dates assigned to crossdated specimens if there is no evidence indicating that the last ring present on the specimen was the last one growth before the tree died.
If a number of tree-ring dates from a given site cluster in one calendar year (or are very close together), one can infer that some substantial construction (or repair) occurred at that time.
DUBLIN, IRELAND
Skuldelev 2 30-m long, 3.8-m wide, 70 to 80-member crew
Erik
THE MOST IMPORTANT LIMITATION [OF SHIPWRECK ARCHEOLOGY]... IS THE VIRTUAL IMPOSSIBILITY OF DEDUCING THE SHIPYARD WHERE A VESSEL WAS BUILT.

Basch, 1972

The International Journal of Nautical Archeology and Underwater Exploration
twelve planks and the keel

248 YR
<table>
<thead>
<tr>
<th>Region</th>
<th>Date</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danmark</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nørrejylland</td>
<td>1700 e.Kr.</td>
<td>3</td>
</tr>
<tr>
<td>Midtjylland</td>
<td>463 e.Kr.</td>
<td>4</td>
</tr>
<tr>
<td>Syddjylland</td>
<td>1091 e.Kr.</td>
<td>3 + 5</td>
</tr>
<tr>
<td>Sjælland</td>
<td>1658 e.Kr.</td>
<td>3</td>
</tr>
<tr>
<td>Polen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gdansk-Pommeren</td>
<td>1102 e.Kr.</td>
<td>5 + 7</td>
</tr>
<tr>
<td>Sverige</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skåne</td>
<td>578 e.Kr.</td>
<td>2</td>
</tr>
<tr>
<td>Västergötland</td>
<td>753 e.Kr.</td>
<td>1</td>
</tr>
<tr>
<td>Sydskandinavien</td>
<td>435 e.Kr.</td>
<td>4</td>
</tr>
<tr>
<td>Tyskland (vest)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sleesvig-Holsten</td>
<td>438 e.Kr.</td>
<td>5</td>
</tr>
<tr>
<td>Tyskland (øst)</td>
<td>1424 e.Kr.</td>
<td>6</td>
</tr>
</tbody>
</table>

Source: Bonde and Crumlin-Pederson, 1990
“Based on these results we can conclude that the longship excavated in Denmark was built in the region of the Irish Sea, most likely in Dublin, in the second half of the 11th century.

Bonde and Crumlin-Pederson, 1990
Newsletter of the Wetland Archeology Research Project
‘Seahenge’ Trees felled in 2049 B.C.E.
"The result [of successful tree-ring dating on ships] is often so precise that every recognized theory which conflicts with it is immediately discredited."

Bonde & Christensen 1982
Aarbørger for nordisk Oldkyndighed of historie