**Species:** Pentamera populifera  
**Authority:** (Stimpson 1864)  
**Common Synonyms:**

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**Taxon:** Holothuroidea: Phyllophoridae  
**Date:** 3 February 1995  
**By:** Megan B. Lilly  
**Voucher Specimen(s):**

<table>
<thead>
<tr>
<th>Station</th>
<th>Date</th>
<th>Storage Location</th>
<th>Voucher#</th>
</tr>
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<tbody>
<tr>
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<td></td>
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</tbody>
</table>

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**Characters:**

- Color - usually white. Body wall tables are large with either star shaped or irregular outlines and tall spires. Supporting tables are small and curved with squat spires having "teeth"/projections on top. See illustrations.

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**Full Description:**

The true *Pentamera populifera* is a white holothuroid (not tan or dark). Tissue mounts reveal numerous star shaped or irregular body wall tables as well as curved supporting tables with squat, flat spires having teeth at the apex. See illustrations.

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**Related Species:**

See voucher sheets for *P. pseudopopulifera* and *Havellockia benti var zacae*.

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**Comments:**

To see the spicules you need to dissolve a section of tissue in bleach. The easiest way to do this is to cut a small piece of tissue from the animal and place it on a slide. Place a drop or two of bleach directly onto the tissue. On tissue dissolves swirl gently to distribute spicules and then place a cover slip on the slide (yes, right over the bleach). View under compound scope. Try to remove a piece of tissue from the body wall that includes podia so you can look at both body wall and supporting tables.

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**References:**

(over)