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The two new models described below are recent developments of our Model Department, and have been favorably commented upon by a number of well-known botanists as being exceedingly useful for demonstrating these fundamental structures.

FERN PROTHALLIUM
Dissectible

It is surprising that up to the present time no adequate model of the fern prothallium has been available. Because of its small size, making it particularly difficult to explain to the student, and its important microscopic structure, a good model should be especially welcome to every botanical laboratory.

This greatly enlarged model is 13 inches in diameter, and is dissectible into two parts. Externally are shown antheridia, archegonia, rhizoids, and the cellular structure of the prothallus. On the cut surface is shown a median section of the thallus body, representing in detail its microscopic structure. It includes a sectioned antheridium, young archegonium, and mature archegonium. Egg cells, ventral cell of the archegonium, jacket cells, archegonial canal, sperms, and cellular structure of the thallus are all clearly and accurately shown.

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M1576 Fern Prothallium (Aspidium sp.). On stand, as described and illustrated above $18.50

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<table>
<thead>
<tr>
<th>Parts per 100,000</th>
<th>Parts per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Solids</td>
<td>0.23</td>
</tr>
<tr>
<td>Volatile Solids</td>
<td>0.16</td>
</tr>
<tr>
<td>Inorganic Solids</td>
<td>0.12</td>
</tr>
<tr>
<td>Nitrogen as</td>
<td></td>
</tr>
<tr>
<td>Free Ammonia</td>
<td>0.0035</td>
</tr>
<tr>
<td>Albuminoid Ammonia</td>
<td>0.0000</td>
</tr>
<tr>
<td>Nitrates</td>
<td>0.00</td>
</tr>
<tr>
<td>Chlorine</td>
<td>0.00</td>
</tr>
<tr>
<td>Dissolved Oxygen</td>
<td>0.06</td>
</tr>
<tr>
<td>Free Carbon Dioxide</td>
<td>0.12</td>
</tr>
<tr>
<td>pH Value at 20° C.</td>
<td>5.7</td>
</tr>
<tr>
<td>Total Bacteria per cc.</td>
<td>None</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3½” 4½” 7”</td>
<td>10”</td>
</tr>
<tr>
<td>2.00 2.40</td>
<td>11.00 15.00</td>
</tr>
<tr>
<td>doz.</td>
<td></td>
</tr>
</tbody>
</table>

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