5A50.10 Wimshurst Machine

SUMMARY: To generate high electrostatic potentials.

DESCRIPTION: Cranking the handle rotates the two plates in opposite directions, generating a large electrostatic potential. The Leyden jars can be charged to increase the intensity of the spark between the two balls on the arms mounted above the Leyden jars. This machine can also be used for other demonstrations requiring high potentials. This gizmo may go up as high as 500,000 volts.


EQUIPMENT:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Location</th>
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<tbody>
<tr>
<td>Wimshurst machine</td>
<td>E&amp;M A, Shelf 3</td>
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SETUP TIME: None