Creating the Exhibition Hall Display

A year's worth of careful planning and teamwork led to the creation of our largest ever living tree, standing 30 feet tall and filled with over 1300 plants.

The logistics of creating this display were complex in construction, irrigation and plant selection.





It was constructed in pieces by our carpenters and metal shop, and reassembled in place in the Exhibition Hall.





The structure was too large to be safely made from wood alone. The top third, which was adapted from previous displays, is metal and hangs from the ceiling.



The lower part of the structure is nearly 20 feet wide. It is made of wood for ease of logistics and flexibility.







The top and bottom sections in different stages of completion.





Our gardeners developed this living tree design technique to creatively showcase potted materials in tree form.

1300 individual pots of red poinsettias, white scarlet-plume, Canary Island ivy, white moth orchids are carefully placed on the custom-made frames and watered via irrigation tubing.



The plants are watered with a custom engineered automated irrigation system never before used at Longwood. Almost a mile of tubing travels all the way up the inside of the structure and then spirals down to help with water pressure.







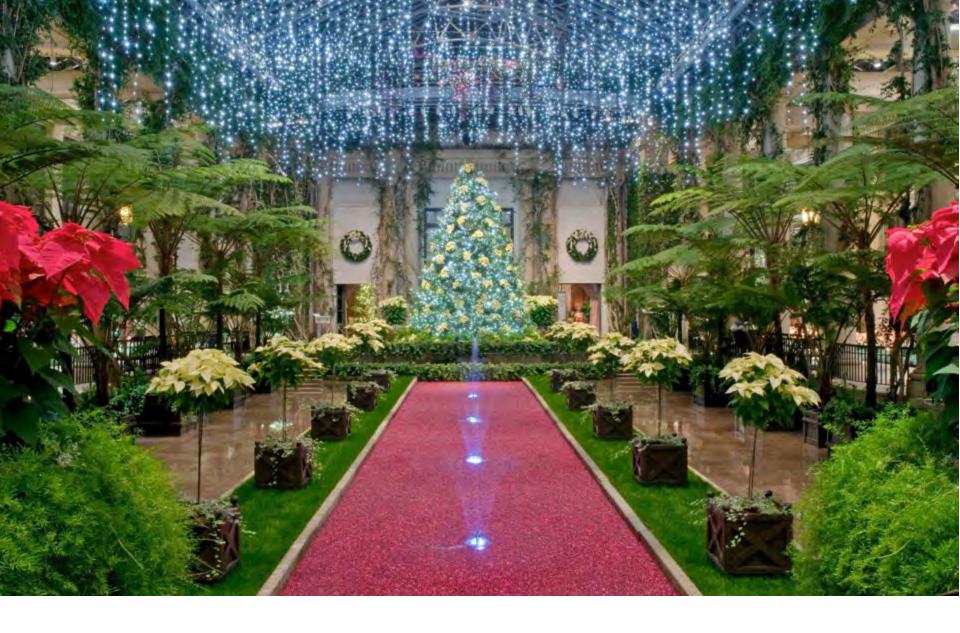
Once the structure is completely decorated, the upper metal structure is raised by cable connected to a lift on the ceiling, and connected to the lower structure.

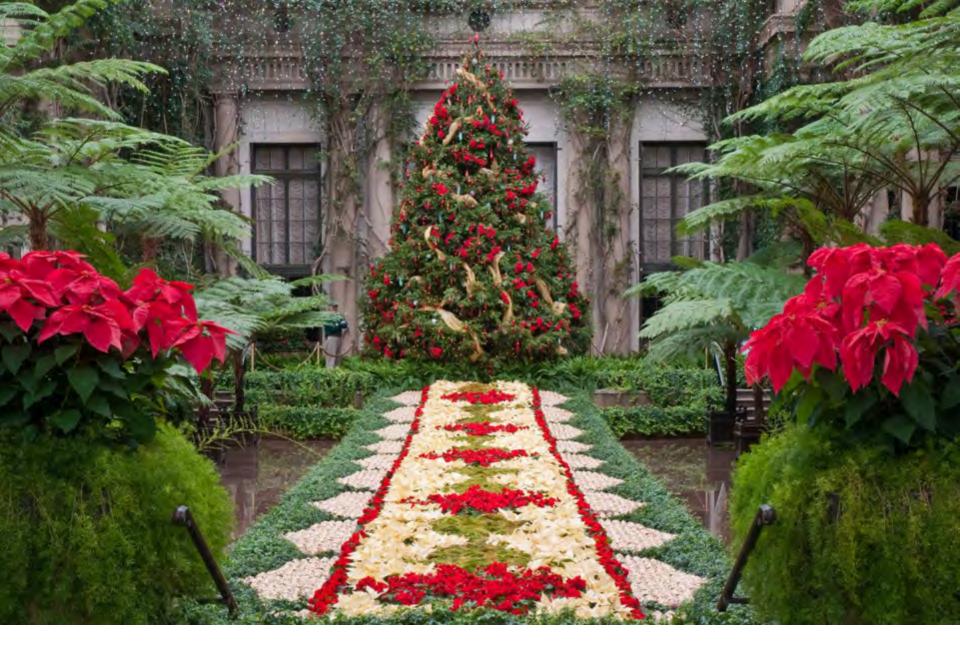


Our 2016 Living Tree with beautiful lights and colors reflecting in the shimmering water.

Exhibition Hall Displays Throughout the Years





















Return again to enjoy our ever-changing displays...