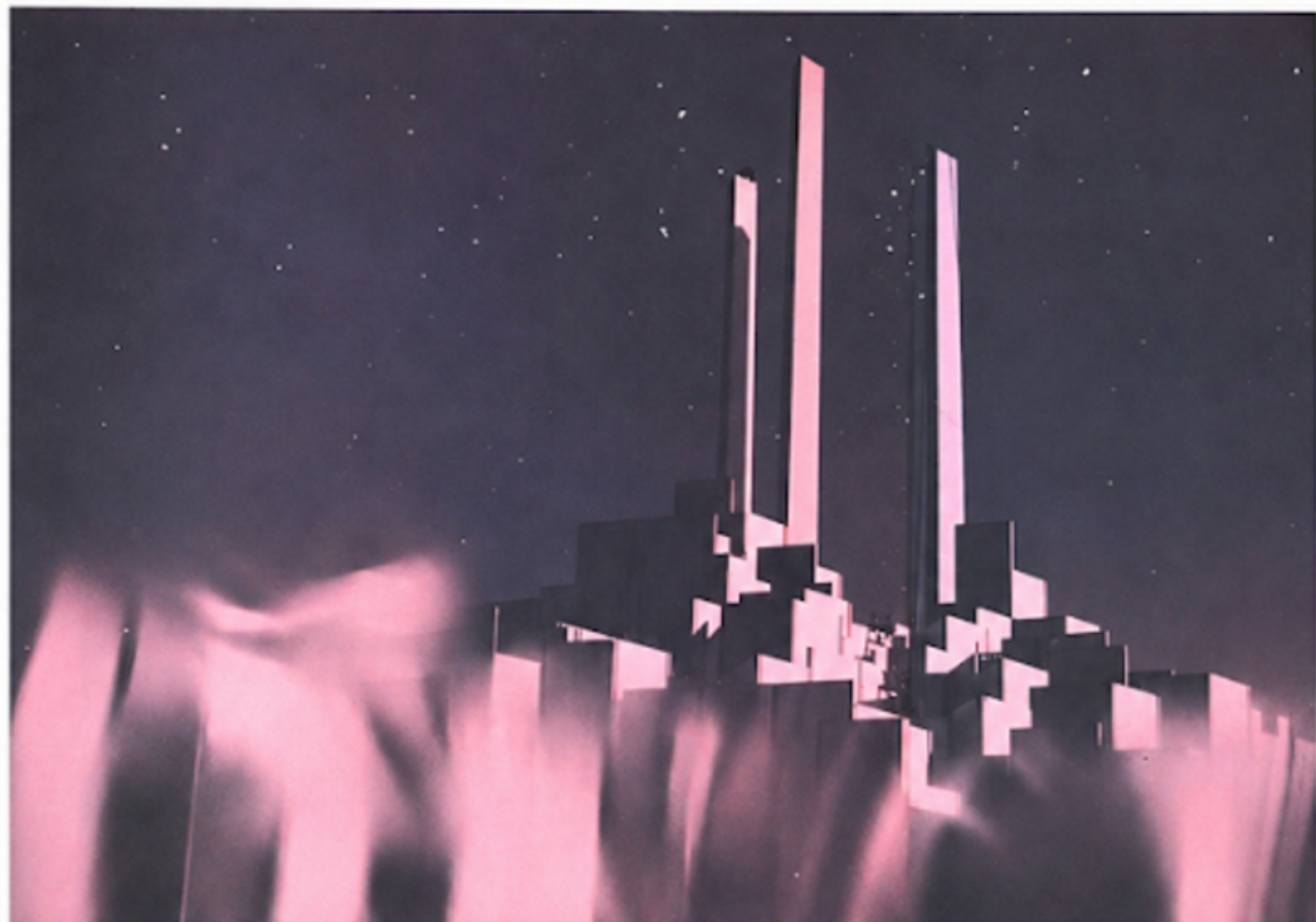


Exterior Illumination of 'Tower of Light' Creates a Man-Made Aurora Borealis



At night, the ever-changing lights on the facade of the "Tower of Light" pavilion resemble a man-made

aurora borealis. There are 14 timers, synchronized to change the pattern of light at various intervals. The

colors are pastel, and never harsh. There is a pool around the pavilion in which the lights are reflected.

ALL the hues in the rainbow in a constantly changing pattern on the exterior of the industry's World's Fair pavilion — which is centered by the 12-billion candlepower beam — and reflected in the surrounding pool, present a dramatic spectacle unparalleled at the Fair.

Using colored gelatine sheets in light fixtures, as well as color-coated bulbs, the designer has arranged the lighting to vary from the rich primary colors to subtle shades of blues, greens, reds, ambers, yellows, and pinks. An almost infinite number of combinations of tone, hue and intensity results as the colored lights glow and fade against the metallic prisms of the building's facade, creating a man-made aurora borealis. The programmed lighting consists of 14 independent circuits of various sizes and colors of lights. Each circuit has a timer to control the duration of the circuit's illumination.

Large Model Used

A large model of the "Tower of Light" was used to work out the positioning of lights for the exterior.

More than 100 1500-watt, quartz-iodine floodlights surround the building to light its lowest level. They are covered by multi-colored filters and are directed on the facade from across the reflecting moat. Cycle timers automatically vary the predominantly blue and green color tones on the lowest level of the structure.

Nearly 1000 100-watt, colored bulbs are located in the tiers of the roof to light the upper sections of the exterior. There are nine roof levels, on which independent circuits of light are located. These circuits also are automatically controlled by cycle timers to produce dramatic combinations of red, yellow, amber, green, blue, and pink.

Rows of concealed colored lights in two of the three pylons at the apex of the pavilion illuminate the Court of Light and "Photonium," the Snelson sculpture suspended from the pylons.

The spectacle of light, which the World's Fair visitor sees (via the 12-billion candlepower beam) as he nears the Fair grounds, and which is intensified as he approaches the pavilion, is continued inside the exhibit. The lighting for *The Enjoyment of Electricity* includes a Fourth of July celebration scene with "fireworks" created by electricity, a thunder and lightning scene in the "Overture of Light," and a Christmas scene with gaily lighted ornaments.

The interior lighting of the lounges and waiting rooms deliberately has been made soft and restful, in contrast to the lighting spectacle of the pavilion's exterior and seven-chambered show.