



COLOR AND MOTION combine to make the lighting of General Electric's Progressland a featured highlight of the Fair's nighttime Festival of Light. The Pavilion's dome is lighted in three colors — amber, green and blue — and is program-controlled, which gives an impression that the dome is rotating.

GENERAL ELECTRIC PAVILION

General Electric has developed, and is using, many new light sources and lighting innovations, both for its own *Progressland* exhibit, and for other lighting applications throughout the Fair. The most spectacular of its own lighting displays is that on the 200-ft-diameter dome of its \$15-million pavilion. Here a new light source and a new lighting control technique are combined to create a fascinating but sophisticated kaleidoscope of mobile color lighting. The lighting is coordinated and integrated with the unique "curvilinear lamella" architecture of the dome, and a numerical control system provides a means for an almost endless lighting program of changing color, pattern, and motion, in response to data recorded on punched tape. The light source is GE's new dichroic sealed-beam color spotlamps, which produce colored light of greater saturation and higher intensity than has previously been possible. The dome lighting uses 2,112 of these dichroic-filter spotlamps. Electrical contractor for the pavilion was Fischbach & Moore, Inc., New York City.



LUMINAIRES located beneath the meridian pipes, which form a diamond pattern on the roof, each contain two 150-watt dichroic filter PAR-38 spotlamps. Each unit contains one amber lamp, and in alternate rows a blue or a green lamp is used. The Carousel wall below the dome, finished in varying hues of blue glass mosaic, is lighted by Power Groove fluorescent lamps and PAR-38 blue-white floodlamps (right). The GE monogram atop the pylon is internally lighted by two lamps, one of which pulsates slowly between two intensities, giving an impression of motion.

