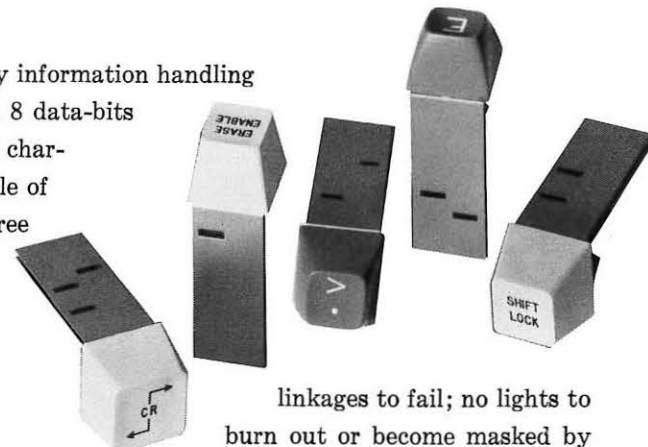
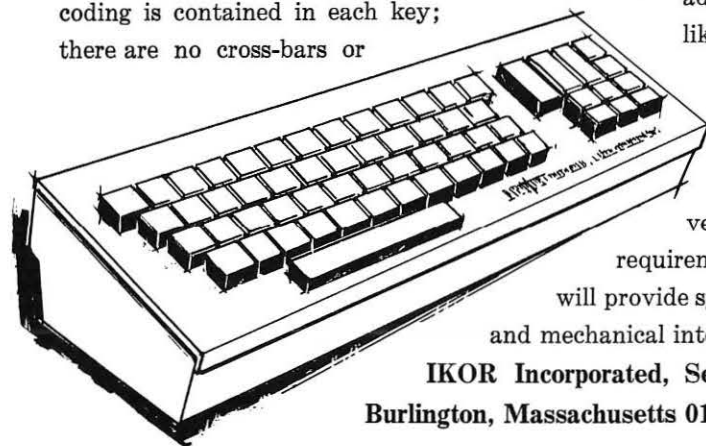


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True stereoscopic movie system without glasses



Artist's drawing depicts a typical scene being photographed by the new capture system. System contains a 100 ft. arc of 1500 pinholes which are uncovered sequentially to expose ten sets of horizontally-moving spherical lenticular filmstrips. Filmstrips' movement and exposure are synchronized by a central control system. Resultant film is specially processed for centralized projection.

825 seat capacity—120 degree field of view

by ROBERT B. COLLENDER

ABSTRACT

Various stereoscopic systems are discussed and the problems inherent with each enumerated. Among them are grand scale holography and lenticular screen-multi-camera and projection systems for a proposed zoneless wide screen viewing criteria within the theatre. Zone system two-picture auto-stereo techniques with their inherent problems are also mentioned briefly.

The writer's design is presented for an entirely new ap-

proach to the age-old problem of stereo pictures which must be projected to a large audience; provide an extended field of view both horizontally and vertically, not restrict the positions of view within the bounds of the auditorium's viewing area; present a unity sizing of original scene to synthetic playback; minimize complexity of theatre projection equipment and completely eliminate the requirements for optical aids at the observer's eyes.