New Products

Further information concerning the material described below can be obtained by writing direct to the manufacturers. As in the case of technical papers, publications of these news items does not constitute endorsement of the manufacturer's statements nor of his products.

RCA's new industrial television system consists of two units: an 8-lb TV camera and a master control monitor about the size of a suitcase. The camera is 10 in. long, 3 in. wide and 5 in. high. It has only three tubes, including the newly developed Vidicon pickup tube which is about 1 in. in diameter and 6 in. long. The Vidicon is based on the principle of photoconductivity, rather than employing photoemissive cells as used by the image orthicon and other pickup tubes in general use. Ordinary 16-mm motion picture lenses are used. The camera has a remote focusing mount, which permits the operator to adjust optical focus by remote control from the master control unit.

The system operates on 110-v, 60-cycle alternating current and consumes 350 watts. It is reported capable of transmitting a signal 250 ft over a coaxial cable closed circuit. It has a scanning frequency of 525 lines, 60 frames interlaced, and is compatible with standard television broadcasting techniques.

The master control unit of the system is 24 in. long, 15 in. high, 8¼ in. deep and weighs 58 lb. It contains a regulated power supply, small synchronizing signal generator, a video amplifier strip and all the scanning deflection equipment

for both the camera and its own 7-in. monitoring kinescope. It contains 44 tubes.

By providing safe and convenient viewpoints, it is expected that this system will prove an aid to education and industrial efficiency. The RCA Engineering Products Dept., Camden, N.J., has issued a bulletin, ITV-1, which gives an over-all description of possible uses. RCA has noted that installation of the system could prevent such episodes as the robbery of the Brink vaults in Boston, and the first public demonstration was that of monitoring prisoners in the City Prison of Manhattan. For job training in industry and educating in the armed forces, schools and hospitals, the system will present demonstrations, close-up views of experiments or enlargements of microscopic studies. In industry, products may be inspected and processes watched in positions or environments insufferable or inconvenient for immediate human attendance.

Meetings of Other Societies

Institute of Radio Engineers, Cincinnati Section, Spring Technical Conference on Television, April 29, Cincinnati, Ohio

Institute of Radio Engineers, Technical Conference, May 3–5, Dayton, Ohio

Armed Forces Communications Assn., Annual Meeting,
May 12, New York, and Long Island City
May 13, Fort Monmouth, N.J.

Acoustical Society of America, Spring Meeting, June 22–24, State College, Pa.

Illuminating Engineering Society, National Technical Conference,
August 21–25, Pasadena, Calif.

Employment Service

POSITIONS WANTED

In Manufacturing: Broad experience in developing, improving and producing of home movie cameras and projectors. Good technical background. Desire position with mfr. Earle F. Orr, 345 Fellsway West, Medford, Mass.

With 35-Mm Production Unit: Young veteran desires to learn motion picture production. Will work in any capacity. Single, 23, with 8 yr theater experience, all phases; mgr small house 3 yr; 2 yr A.M.P.S. projectionist supervisor; grad. AAF Photo School and Motion Picture Inst. production course. Have private library of over 200 film books; serious student of films since 15. Currently employed; detailed letter and refs readily supplied; salary no object. John P. Lowe, 265 State St., Northampton, Mass.

Producer-Director-Editor: 10 yr with major film producers. Thorough knowledge and experience script-to-screen production technique: directing, photography, editing, laboratory problems, sound recording, 35- and 16-mm, b & w. Specialist in research and production of educational and documentary films; small budget commercial and TV films. Long experience in newsreels. Desire greater production possibilities, go anywhere. Member SMPTE, top refs. E. J. Mauthner, P. O. Box 231, Cathedral Sta., New York 25.