

TEMPERATURE CONTROLLER for resistance-bulb or thermister sensors, A simple stable—H. O. Hook (Labs., Pr) 15-4 (RCA reprint, PE-457)

HOLOGRAPHY

CHARACTER GENERATION system, Holographic—Dr. D. Meyerhofer (Labs., Pr) 15-1 (RCA reprint, PE-431)

HUMAN FACTORS

INSTANT AIRPORT, Human factors for an—P. H. Berger (ASD, Burl) 15-6 (RCA reprint, RE-15-6-21)

GRAPHIC ARTS

PHOTOGRAPHIC TYPE TRANSPARENCY with a CO₂ laser beam, method of producing a—Dr. D. L. Ross (Labs., Pr) 15-5 (RCA reprint, PE-469)

PRE-CAVITATED ROTOGRAVURE PLATES for printing, Preparing—P. J. Donald (Labs., Pr) 15-4 (RCA reprint, RE-15-4-21)

VideoComp 70/830, System tests for the—R. M. Carrell (GSD, Dayton) 15-3 (RCA reprint, RE-15-5-22)

INTERFERENCE

EMI PROBLEMS in the hospital—U. Frank, R. T. Londner (ME, Trenton) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

LASERS

CO₂ LASER BEAM, Method of producing a photographic type transparency with a—Dr. D. L. Ross (Labs., Pr) 15-5 (RCA reprint, PE-469)

CO₂ LASERS, Sealed-off—Dr. R. A. Crane, J. I. Wood (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-7)

CARBON DIOXIDE LASER LINES in the 9.4 and 10.6 μ vibration-rotational bands, New—T. R. Schein (ASD, Burl) 15-3 (RCA reprint, RE-15-3-24)

CARBON DIOXIDE LASER, Machining with the—Dr. D. Meyerhofer (Labs., Pr) 15-5 (RCA reprint, PE-464)

COMMUNICATIONS, Lasers in—Dr. R. M. Green, A. L. Waksberg (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-2)

EDUCATION, The laser in—F. S. Philpott (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-6)

ELECTRON-BEAM-PUMPED semiconductor lasers—Dr. F. H. Nicoll (Labs., Pr) 15-5 (RCA reprint, PE-467)

GaAs TRANSMISSOMETER—Dr. E. J. Fjarlie (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-19)

GAS LASER TECHNOLOGY, Advances in—Dr. K. G. Hernqvist (Labs., Pr) 15-5 (RCA reprint, PE-461)

GATED VISION techniques—D. G. Herzog (ATL, Cam) 15-5 (RCA reprint, RE-15-5-23)

GATED-SENSOR AND PULSED-LASER ILLUMINATOR SYSTEMS for seeing through fog—Dr. H. J. Wetzstein, E. Kornstein (ASD, Burl) 15-5 (RCA reprint, RE-15-5-14)

IR COVERT ILLUMINATORS, Effectiveness of—F. J. Gardiner (ASD, Burl) 15-5 (RCA reprint, RE-15-5-16)

INFRARED IMAGES made visible by laser techniques—Dr. A. H. Firester (Labs., Pr) 15-5 (RCA reprint, PE-466)

INJECTION LASERS, Recent progress in—Dr. H. Kressel, H. Nelson (Labs., Pr) 15-5 (RCA reprint, PE-462)

LASER, Future of the—Dr. H. R. Lewis (Labs., Pr) and E. Kornstein (ASD, Burl) 15-5 (RCA reprint, PE-460)

LASER COMMUNICATION parameters, Measurement of—A. L. Waksberg, J. C. Boag (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-4)

LIGHT SCATTERING with laser sources—Dr. G. Harbeke, Dr. E. F. Steigmeyer (Labs., Zurich), 15-5 (RCA reprint, PE-465)

NEODYMIUM AND RUBY LASER RANGE-FINDERS, Tradeoff analysis of—E. Kornstein, N. Luce (ASD, Burl) 15-5 (RCA reprint, RE-15-5-13)

PHOTOMULTIPLIER DETECTORS for lasers, New—D. E. Persyk (EC, Lanc) 15-5 (RCA reprint, RE-15-5-5)

PRE-CAVITATED ROTOGRAVURE PLATES for printing, Preparing—P. J. Donald (Labs., Pr) 15-4 (RCA reprint, RE-15-4-21)

SOLID-STATE DETECTORS for laser applications—Dr. R. J. McIntyre, H. C. Spriggs, P. P. Webb (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-3)

SOLID-STATE LASERS, Improving—Dr. R. J. Pressley (Labs., Pr) 15-5 (RCA reprint, PE-463)

TRACKING AND RANGING SYSTEMS, Laser—G. Ammon, S. Russell (ATL, Cam) 15-5 (RCA reprint, RE-15-5-15)

LOGISTICS

FIELD ENGINEERING—D. W. Koch (EASD, Van Nuys) 15-4 (RCA reprint, RE-15-4-20)

MAINTAINABLE ELECTRONICS on long duration manned space missions, The requirement for—M. L. Johnson (ASD, Burl) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

SUPPORT AND LOGISTICS—the EASD approach, Engineering—G. F. Fairhurst (EASD, Van Nuys) 15-6 (RCA reprint, RE-15-6-16)

MANAGEMENT

CONCEPT ENGINEERING—the qualifications—R. F. Day (GSD, Dayton) 15-4 (RCA reprint, RE-15-4-15)

CONCEPT ENGINEERING—the environment—Dr. H. J. Wetzstein (ASD, Burl) 15-4 (RCA reprint, RE-15-4-14)

ENGINEERING SERVICE ORGANIZATIONS, Technical disciplines in—J. M. Forman, P. D. Strubhar (EC, Lanc) 15-4 (RCA reprint, RE-15-4-13)

INTERDISCIPLINARY ASPECTS of contemporary engineering—R. F. Ficchi (DCSD, Cam) 15-4 (RCA reprint, RE-15-4-23)

INTERDISCIPLINARY COMMUNICATIONS—do you speak my language?—Dr. N. E. Wolff (Labs., Pr) 15-4 (RCA reprint, PE-456)

INTERNATIONAL MARKETS, RCA and—E. J. Dailey (Int., Clark) 15-1 (RCA reprint, RE-15-1-8)

INVENTIONS and obviousness—A. Rusinoff (Labs., Pr) 15-5 (RCA reprint, PE-468)

MULTI-DISCIPLINE ENGINEERING—S. S. Kolodkin (ASD, Burl) 15-4 (RCA reprint, RE-15-4-2)

STANDARDIZING—a program for engineer and industrial management—S. H. Watson (CS, Cam) 15-1 (RCA reprint booklet, *RCA Quality Assurance*, PE-435)

MANUFACTURING

CARBON DIOXIDE LASER, Machining with the—Dr. D. Meyerhofer (Labs., Pr) 15-5 (RCA reprint, PE-464)

CLEANING AND PLATING engineering—R. W. Etter, N. Seidman (EC, Lanc) 15-4 (RCA reprint, RE-15-4-16)

CONTROLLED SOLDER PLATING of printed-wire boards, New developments in—E. E. Gilbert (IS, Cam) 15-5 (RCA reprint, RE-15-5-21)

MANUFACTURING ORGANIZATION, The engineer in a—E. B. Galton (ASD, Burl) 15-4 (RCA reprint, RE-15-4-3)

PROCESS DEVELOPMENT—R. A. Alleman (EC, Lanc) 15-4 (RCA reprint, RE-15-4-6)

MASERS

MASER PACKAGING APPROACH, New—G. Weidner, D. Miller (ATL, Cam) 15-3 (RCA reprint, RE-15-3-24)

THREE-CHANNEL C-BAND MASER for radar installation—B. R. Feingold, A. L. Polish, D. J. Miller (ATL, Cam) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

MECHANICAL DEVICES

CARBON DIOXIDE LASER, Machining with the—Dr. D. Meyerhofer (Labs., Pr) 15-5 (RCA reprint, PE-464)

CERAMIC ENGINEERING—M. W. Hoelscher, J. L. Rhoads (EC, Lanc) 15-4 (RCA reprint, RE-15-4-8)

FLUID THERMAL ACTUATOR—B. A. Shepherd, K. R. Johnson (AED, Pr) 15-1 (RCA reprint, RE-15-1-9)

MECHANICAL ENGINEERING in electronic equipment design—Dr. M. Weiss, I. D. Kruger (MSR, Mrstn) 15-4 (RCA reprint booklet, *Microwave Systems and Devices*, PE-459)

METALLURGICAL ENGINEERING—P. D. Strubhar (EC, Lanc) 15-4 (RCA reprint, RE-15-4-7)

SAFETY AND ARMING devices—S. C. Franklin (EASD, Van Nuys) 15-6 (RCA reprint, RE-15-6-10)

SANDWICH PACK—J. Croft (AED, Pr) 15-2 (RCA reprint, PE-452)

OPTICS

MODERN OPTICS—Dr. A. M. Sutton, C. F. Panati (RCA Inst., N.Y.) 15-3 (RCA reprint, RE-15-3-9)

PROPERTIES, MOLECULAR

LIQUID CRYSTALS—the first electronic method for controlling the reflection of light—Dr. G. H. Heilmeyer (Labs., Pr) 15-1 (RCA reprint, PE-434)

PROPERTIES, SURFACE

ACOUSTIC SURFACE-WAVE devices—Dr. D. Gandolfo (ATL, Cam) 15-2 (RCA reprint, RE-15-2-14)

RADAR

COHERENT INSTRUMENTATION RADAR, RCA's newest—M. R. Paglee (MSR, Mrstn) 15-3 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459)

PHASED-ARRAY RADAR SYSTEMS, Synthesis of—Dr. A. S. Robinson (MSR, Mrstn) 15-3 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459 and PE-448)

RADIATION DETECTION

IR COVERT ILLUMINATORS, Effectiveness of—F. J. Gardiner (ASD, Burl) 15-5 (RCA reprint, RE-15-5-16)

INFRARED IMAGES made visible by laser techniques—Dr. A. H. Firester (Labs., Pr) 15-5 (RCA reprint, PE-466)

RECORDING, IMAGE

HIGH RESOLUTION TELEVISION IMAGES from space—M. V. Sullivan, F. H. Eastman, III (AED, Pr) 15-2 (RCA reprint, RE-15-2-26)

QUADRUPLEX TAPE RECORDERS for color TV, High-quality—L. V. Hedlund, K. Louth (CES, Cam) 15-1 (RCA reprint, RE-15-1-12)

RELIABILITY

IDEAL RELIABILITY PROGRAM, Case history of an—R. E. Dehm, O. E. Colgan (EASD, Van Nuys) 15-6 (RCA reprint, RE-15-6-12)

MAINTAINABLE ELECTRONICS on long duration manned space missions, The requirement for—M. L. Johnson (ASD, Burl) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

QUALITY ASSURANCE engineering—T. I. Arnold (ASD, Burl) 15-4 (RCA reprint, RE-15-4-17)

RELIABLE MICROWAVE EQUIPMENT, Using tests and analyses to achieve—H. H. Anderson, V. Stachejko (MSR, Mrstn) 15-3 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459)

SYSTEM RELIABILITY AND SAFETY, Modeling of—B. Tiger (DCSD, Cam) 15-1 (RCA reprint, RE-15-1-18)

VALUE ENGINEERING at EASD—S. Steinfeld (EASD, Van Nuys) 15-6 (RCA reprint, RE-15-6-13)

VALUE ENGINEERING—the profit is mutual—S. Robinson (MSR, Mrstn) 15-1 (RCA reprint booklet, *RCA Quality Assurance*, PE-435 and PE-446)

SOLID-STATE DEVICES

L-BAND AVALANCHE DIODES and their applications, High power—K. K. N. Chang, H. J. Prager (Labs., Pr) 15-2 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459 and PE-440)

MICROWAVE APPLIED RESEARCH laboratory—Dr. F. Sterzer (EC, Pr) 15-2 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459)

MICROWAVE DEVICES AND THEIR APPLICATIONS, A review of—F. E. Gehrke (EC, Hr) 15-2 (RCA reprint booklets, *RCA Microwave Technology*, PE-452 and *Microwave Systems and Devices*, PE-459)

MICROWAVE OPERATIONS—an introduction—W. G. Hartzell (EC, Hr) 15-2 (RCA reprint, RE-15-2-17)

SCR HORIZONTAL DEFLECTION GENERATOR—W. F. Dietz (CED, Indpls) 15-1 (RCA reprint, RE-15-1-4)

SILICON-ON-SAPPHIRE DEVICES—Dr. C. W. Mueller, Dr. F. Heiman (Labs., Pr) 15-2 (RCA reprint, PE-439)

SOLID-STATE DETECTORS for laser applications—Dr. R. J. McIntyre, H. C. Spriggs, P. P. Webb (LTD, Montreal) 15-5 (RCA reprint, RE-15-5-3)

SWITCHING-DEVICE REQUIREMENTS for a new horizontal-deflection system—D. E. Burke (EC, Som) 15-1 (RCA reprint, RE-15-1-3)

SPACE COMMUNICATION

COMMUNICATION SATELLITE SYSTEM, Time-division multiple-access—V. F. Voltas (DCSD, Cam) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

SPACECRAFT INSTRUMENTATION

SATELLITE ANTENNA-BOOM POSITION, TV monitoring of—J. R. Staniszewski, W. Putterman (AED, Pr) 15-3 (RCA reprint booklet, *RCA Microwave Technology*, PE-452)

SUPERCONDUCTIVITY

Nb₃Sn SUPERCONDUCTORS and their applications, Advances in—E. R. Schearder, H. C. Schindler, F. R. Nyman (EC, Hr) 15-2 (RCA reprint, RE-15-2-8)

TELEVISION BROADCASTING

COLOR GENLOCK, Remote—R. J. Butler (NBC, N.Y.) 15-1 (RCA reprint, RE-15-1-13)

HUM BUCKERS for television remotes—J. L. Hathaway (NBC, N.Y.) 15-6 (RCA reprint, RE-15-6-22)

QUADRUPLEX TAPE RECORDERS for color TV, High-quality—L. V. Hedlund, K. Louth (CES, Cam) 15-1 (RCA reprint, RE-15-1-12)

SCR HORIZONTAL DEFLECTION GENERATOR—W. F. Dietz (CED, Indpls) 15-1 (RCA reprint, RE-15-1-4)

SWITCHING-DEVICE REQUIREMENTS for a new horizontal-deflection system—D. E. Burke (EC, Som) 15-1 (RCA reprint, RE-15-1-3)

VIDEO PHASE EQUALIZER—H. K. H. Yee (Labs., Pr) 15-1 (RCA reprint, RE-15-1-7)