

5 % harmonics. Available in output capacities of 500 va to 3 kva, with current limiting characteristics to make them inherently short circuit proof, the units are designed for 19-in. relay rack mounting. Prices range from \$1,400 to \$3,000.

The Altec Model 351B, an all-transistor power amplifier, is a product of Altec Lansing Corp., a subsidiary of Ling-Temco-Vought, Inc., 1515 S. Manchester Ave., Anaheim, Calif. Features include an integral protective trouble-indicator circuit designated "Flashguard." The amplifier uses four power transistors in the output stage, each with its emitter connected to a signal lamp at the rear of the chassis. During normal operation the light is not visible but should too high a current be drawn by any one of the transistors, even in the case of a serious speaker mismatch, the excess load is carried by the lamp, protecting the transistor from thermal runaway. At the same time the user is given an indication of trouble by an increase in the light intensity of the lamp. The amplifier is priced at \$252.00.

Availability of the Angenieux 35mm, f/3.2 zoom lens with a focal length range of 25mm-250mm has been announced by Zoomar International, Inc., Glen Cove, L.I., N.Y., exclusively representing Ets. Pierre Angenieux in the United States. Designated the Zoom 10 X 25, the newly developed 1:10 zoom lens is 10½ in. long with a maximum diameter of 4½ in. It weighs 5 lb 1 oz. With its long back focal

length of 2.35 in., the lens is adaptable to all 35mm motion-picture and instrumentation cameras, including reflex types.

A low-level, quick response photometer, Model 356, reported to be capable of measuring illumination levels of the sky within 10^{-1} to 10^{-8} ft-L has been announced by OPTOmechanisms, Inc., Engineers Hill, Plainview, N.Y. It is a system designed for automatic integrated and recorded readout for unattended periods up to one month in duration. Assemblies making up the system consist of a photometric detector containing the collecting optics and photomultiplier housing, with associated preamplifier; integrating computer and control assembly; a recorder, including an automatic printing device that prints the range level on paper for possible future reference; and a tripod, adjustable in height, elevation, and azimuth.

An optical line-up film has been devised by Producers Service Co., 1145 N. McCadden Pl., Hollywood 38, Calif., as an added service to their customers. The firm has engineered and photographed a chart that outlines the full aperture (0.720 X 0.980) and the academy aperture (0.631 X 0.868), showing the centerlines for each in their proper relation to the full-size register pin hole. The filmstrips can be used for optically lining up the camera and viewer with the projector on an optical printer at unit magnification, both horizontally and vertically. The same filmstrip can be used to check focus.

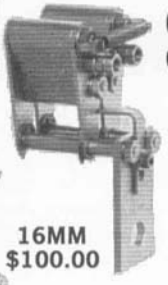
An electronic instrument used by the Carl Zeiss optical works at Oberkochen, Germany, for production-run testing of photographic lenses is described in the May 1963 issue of *Camera News of West Germany*, 17 East 45 St., New York 17. The instrument, in use for two years, but said to be described for the first time in this periodical, is based on the theory of contrast transfer (elsewhere called frequency-response function). The instrument uses electronics to perform the three steps in the test procedure: (1) focusing automatically by locating the maximum degree of contrast — the plane of optimum image quality; (2) indicating the plane; and (3) measuring the contrast transfer as the lens is rotated on its axis. Green and red signals on an illuminated panel of the testing instrument indicate whether the particular lens meets the prescribed quality standards.



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Writer-Cameraman. Energetic young man, presently employed, married, thoroughly experienced in production techniques, seeks position with industrial, theatrical or educational film producer in Southern California area, where experience, training and capabilities as writer, cameraman and producer will be recognized with increasing responsibilities and advancement. Versatility and variety of experience are special assets. Resume on request. Charles L. Finance, 1641 E. Kingsley Ave., Pomona, Calif.

TV Studio Technician. 5 yrs studio and remote experience in all phases of engineering and production. Hold Radiotelephone First Class. Active radio amateur over 10 yrs. Age 26, single. Would like position with university having good TV facilities and movie division. Objective to obtain degree in field of engineering. P.O. Box 14353, Tampa, Fla.

Engineer. System, project or development for UHF-TV, 2 & 2.5 KMC ETV. Extensive TV transmitter, TV receiver, TV camera and test equipment background. Resume sent on request. Seeking relocation providing opportunity. 14 Park Plaza, Quincy, Illinois-Baldwin 3-4284

Positions Available

Writer-Cameraman-Coordinator. Background of military electronics and motion-picture production desired. Electronics tech writers with First Class Radiotelephone License considered good prospects. \$6-\$9K, at middle-Atlantic state plant of large Eastern corporation, an equal opportunity employer. Send resume to D. C. LeFebre, P.O. Box 829, Annapolis, Md.

Sound Recording Technician. An opportunity in Phoenix, Ariz., for a sound recording technician. Must have wide experience recording on tape, disc and film; mixing, dubbing and technical background in recording techniques, understanding and know-how. Background in radio, television, recording and motion pictures, with administrative and executive abilities to head and develop sound recording facility of expanding industrial motion-picture producer. Box 1586, Phoenix, Ariz.

Audiovisual Communication. Technician needed to head a small unit in a large non-profit, educational organization. Technical skills required on multiple tapes; sound and light equipment; TV, movie and still projection; and transparency production. Knowledge of equipment with regard to its cost, installation, use and interpretation for educational implication essential. Benefits excellent. Salary negotiable. Reply to: Personnel Office, NEA, 1201 16th St., N.W., Washington 36, D.C.

Laboratory Manager. Immediate opening in rapidly expanding 16mm laboratory for versatile man experienced in B/W processing, timing, and printing. Must be able to meet with clients and handle producer services work. Send complete resume and salary requirements to R. C. Reed, Vice President, United Film Industries, Inc., 1028 Acoma St., Denver 4, Colorado.

Lab Maintenance Supervisor. A highly reputable film laboratory in New York City is in need of a Maintenance Supervisor, familiar with all processing machines, printers, projectors, etc., steady, good pay. Send resume to R. A. Carlo, 233 West 70th St., New York, N.Y.

Journals Available/Wanted

These notices are published as a service to expedite disposal and acquisition of out-of-print Journals. Please write direct to the persons and addresses listed.

Available

Transactions and all issues of the Journal from July 1927 to Dec. 1959. For sale as entire lot only. Henry Roger, Rolab Studios, Sandy Hook, Conn.

Index 1936-1945; Mar.-Sept., Nov., Dec. 1947; Jan., Feb., Sept., Nov., Dec., Index Jan.-June 1948; Jan., Mar. & High-Speed Photography, Apr.-July, Index Jan.-June, Sept.-Dec., Index July-Dec. 1949; Jan.-Oct., Dec., Indexes Jan.-Dec. 1950; Jan.-Apr., June, July, Sept.-Dec., Indexes Jan.-Dec. 1951; Jan.-July, Index Jan.-June 1952; Jan.-Aug., Nov., Dec., Indexes Jan.-Dec. 1953; Jan.-June, Aug.-Dec., Indexes Jan.-Dec. 1954; Jan.-Dec. & Index 1955; Jan.-Dec. & Index 1956; Jan., Mar. 1957; Jan., Apr. 1958. Available as entire lot for \$100. Camille Buyse, 1232 Chaussee de Wavre, Auderghem-Brussels 16, Belgium.

Jan. 1936 through Mar. 1957, except Mar. 1942 and Jan. 1945. Send offer to: R. S. Parris, 29 Charles St., Natick, Mass.

Assortment of Journals, from 1937 through 1950. Write: Alan Cook, South Londonderry, Vt.

Complete set of Journals March 1937 through May 1954. Best offer. A. R. Ulmer, 69 Cresskill Ave., Dumont, N. J. DU 4-8656.

Complete set of Journals January 1949 through December 1960, inclusive, including high-speed, special issues, indexes, directories, etc., in excellent condition. For sale as entire lot only. Leslie Helhena, P. O. Box 643, Burbank, Calif.

Complete set of Journals from January 1934 through June 1960. Excellent condition. For

sale only as a set. Write: Don Norwood, 1470 San Pasqual St., Pasadena, Calif.

Complete set of Transactions, except Nos. 6 and 9, and all Journals published to date, including indexes. All in good condition. Price \$500. Also extra copies of Transactions Nos. 21, 31, 32. W. W. Hennessey, RFD #2, Pound Ridge, N. Y.

Complete set of Journals from May 1937 to June 1954, including special volumes and membership directories, excellent condition; also Mar., May 1934 and July 1935 issues. Write: Harry R. Lubcke, 2443 Creston Way, Hollywood 28, Calif. HO 9-3266.

Jan.-Dec. 1950; Jan., Feb., Apr.-Dec. 1951; Jan.-Mar. 1952. Also available are vols. 6 and 7 of The Television Society (British) covering the period Jan. 1950 through Sept. 1955. Write: Andrew N. McClellan, 65 Hillside Drive, Toronto 6, Ont., Canada.

Dec. 1946, Feb.-Dec. 1947, 1948-1955 complete. All copies in perfect condition; for sale as entire lot only. Write: Joseph W. MacDonald, 2414 Sullivant Ave., Columbus 4, Ohio.

Jan. 1947 to Dec. 1957 complete and in perfect condition. For sale only as a set. Write: Charles J. Marshall, 2816 Royalston Ave., Kettering 19, Ohio.

Complete set of Journals Jan. 1949 to Dec. 1958. Perfect condition. What offers? Write: J. G. Jackson, 210 Kingsway South, Port Alberni, B. C., Canada.

Nov., Dec., index July-Dec. 1951; Jan.-June, Oct.-Dec., indexes Jan.-Dec., Membership Directory 1952; Jan., Mar.-Nov., index Jan.-

June 1953; Jan., Mar., May-Dec., indexes Jan.-Dec. 1954; Jan.-Dec. and index 1955; Jan.-Dec. and index 1956; Jan.-Dec. and index 1957; Jan.-Dec. and index 1958. Send offer to W. R. Clarke, 10948 Debra Ave., Granada Hills, Calif.

Jan., Mar. Pt. II (High-Speed Photography Vol. I), July, Aug., Sept., Nov. (High-Speed Photography Vol. II) 1949; Jan., Feb., June 1950; July 1951. Available for trade only for the following: Trans. No. 1; Journals: Jan., Mar., May, July 1938; Feb. 1939; Mar. June 1940; July 1941; Feb.-May, July 1944; Jan., Feb., Apr., Aug. 1945; High-Speed Photography Vol. III. Gian Maria Rimoldi, Via Plinio 39, Milano, Italy.

Sept. 1949 to Dec. 1961, except May 1958, Feb. 1960, Nov. 1960. Write or call: Gerald I. Rawson, 98-120 Queens Blvd., Flushing 74, N.Y. TW 6-4489.

Wanted

Jan., July, Sept. and Nov. 1949; Jan and Feb. 1950. Century Lighting, Inc. (Mrs. Levine), 521 W. 43 St., New York 36, N.Y.

Jan. 1934. Ruth V. Judson, Librarian, CBS Laboratories, 227 High Ridge Rd., Stamford, Conn.

Transactions 6 and 9 (\$15 each offered). W. W. Hennessey, RFD #2, Pound Ridge, N.Y.

Almost any Journals 1937 and earlier or Transactions. Several hundred 1940 and later Journals available for trade. Dept. of Cinema, Univ. of Southern Calif., University Park, Los Angeles 7. Att: Herbert E. Farmer.

Mar. 1939, May 1940, July, Feb. 1942, July 1949. V. E. Patterson, 2 North 30th St., Phoenix, Ariz.

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