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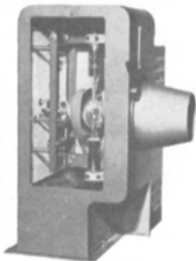
PRODUCTS DIVISION

Special Light Sources for
Audio Visual Applications

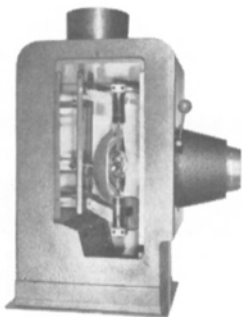
XETRON LAMPHOUSES

XETRON POWER SUPPLIES

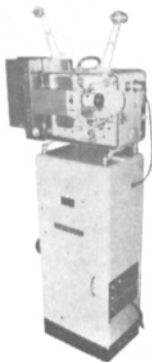
XETRON BULBS



CX-450
Miniature light source
suitable for many 16mm
and 35mm projector
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CX-900 Ideal light source for screening rooms,
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projection equipment.



CJX-450
Console version of stand-
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with power supply and
control panel. High in-
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great increase in screen
brightness.

Also Available
CJX-1000 Provides maximum screen re-
sults for 16mm projector.

Literature on request.
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PRODUCTS DIVISION

 **CARBONS, Inc.**
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ciated with the film and operating controls are available to the operator from a seated position.

A magnetic tape loop/rotating scanning head system, BI/SCAN I, designed for such uses as transient analysis and display, random data analysis, SNR enhancement of nonperiodic signals, real-time enhancement of periodic signals and signal delays for correlation studies, has been announced by S. Himmelstein and Company, 2500 Estes Ave., Elk Grove Village, Ill. 60007. A 2-channel rotating headwheel scans 1-in. sections of recorded tape at 60 times/s. The tape loop may be scanned while it is stopped or while in motion. The scan speed is 60 in./s with the tape stopped. In the loop portion of the system pneumatic tape, drive, tape tensioning, tape buffering and dynamic braking are used to provide high performance and to ensure maximum reliability and tape protection. Pinch rollers have been eliminated to permit only the heads to touch the tape oxide.

A capacitance bridge specially designed for measuring electrolytic and other large-value capacitors has been announced by General Radio Co., West Concord, Mass. 01781. Called the Type 1617-A, it features a capacitance range of 1 pF to 1.1 F and includes its own 120-Hz generator, detector and adjustable dc polarizing supply. Three-, 4-, and even 5-terminal measurements can be made with the new bridge, the announcement stated. The built-in bias supply has six ranges, up to 600 V. External bias up to 800 V can be applied. Warning lights, discharge circuits, and other safety features protect the user from potentially dangerous voltages. The bridge measures dissipation factors up to 10 and is equipped with an Orthonull balancing mechanism to simplify measurements. It is available in either bench or relay-rack mounting and is priced at \$1,195.

A portable generator, Model 62-G, designed to provide ultra-clean air for structures or missile chambers that require a temporary atmosphere of contamination-free air, has been announced by Agnew-Higgins, 7532 Anthony Ave., Garden Grove, Calif. 92641. The generator is completely self-contained, with blowers, motors, prefilters, HEPA type final filters and an output duct that can be detached from a chamber or structure. The unit supplies air at the rate of 1,500 ft³/min (approximately 20 mi/h) to enclosures, inflatable structures and temporary or permanent clean rooms. Clean air is pushed through the absolute filters by two dynamically balanced centrifugal fans. The blower motors, operating on resilient mounts, are internally protected against overload. Internal wiring of the electrical system is channeled through metal conduits and grounded.



employment service

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These notices are published for the service of the membership and the field. They are inserted three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Electronic Engineer. B.E.E., 1943. M.E.E., 1951. Diversified research and development exp. in instrumentation and communications. Desire challenging position in N.Y.C. in TV or related areas in m-p. Write Ap't. S.T., 578 E. 16th St., Brooklyn, N.Y. 11226.

Cameraman-Editor-Recordist. 2 years college, 16 years exp. in electronics and photography. At home in all phases recording, sound, m-p and still photography, editing. Desire to relocate on Eastern Seaboard in responsible position with reliable concern. Résumé on request. Gillespie, 2505 Pershing Ave., Richmond, Va. 23228.

Experienced film maker. With latest camera and sound recording equipment, seeks connection in New York metropolitan area. Leo E. Zappe, 321 River Rd., Nutley, N.J. Tel: 201 667-2323.

Capable Film Student. Looking for job in film or TV production. Exp. in editing. Worked also as productions asst. Contact: Eila Kaarresalo, 264 50th Street, Brooklyn, N.Y. 11220, Tel: 492-5945.

TV & Radio Broadcast Engineer. 10 yrs. TV & 20 yrs. radio creative engineering exp.; active SMPTE member. Presently, GS-855-13 in Federal Civil Service. Desire creative position in or out of govt. service. W. J. Wolfe, 6635 Marsden St., Phila., Pa. 19135.

Design Engineer or Production Supervisor, 19 yrs. exp. in design & production of all types m-p handling equip., splicers, synchros, m-p reels, etc. Past 10 yrs. in supervisory capacity. Résumé on request. Wm. L. Graham, 5759 Riverton Ave., N. Hollywood, Calif. 91601.

Positions Available

Project Engineer & Design Engineer for Television Systems. Project Engineer responsible for technical planning, coordination with suppliers, liaison with customer engineers, etc. He must be able to use practical engineering methods to solve wide range of technical problems. Exp. in electro-mechanical design and familiarity with electronic circuitry important. Design Engineer must have TV equipment exp. Responsible for trouble shooting, developing modifications for special requirements and designing new equipment to meet high performance goals. Positions are with small TV co. having outstanding record in high quality television display systems. Each position will involve major responsibilities and individual initiative. Send résumé or letter describing your background to: Theatre Network Television, Inc., 62-10 34th Ave. Woodside, N.Y. 11377.

Filmstrip and Slide-Film Cameraman. For Oxberry animation camera. Excellent opportunity. Exp. only. Bebell Color Labs, 108 W. 24th St., New York, N.Y. WA 4-8573.

Cameraman-Editor. For permanent posit. with in-plant industrial m-p unit producing sales, public relations, educational and documentary films. Exp. with editing equipment and techniques, lighting, the operation of Mitchell and Arriflex cameras preferred. Submit résumé and salary requirements to J. W. Lovell, General Electric Co., Bldg. #6, Room #231, 1 River Rd., Schenectady, N.Y. 12305.

Camera Technicians. Large rental company, New York City. Interested in setting up mechanics in their own business. Experienced in BNC, R-35, Arriflex. No investment necessary. A. Frankel, 271 Piccadilly Downs, Lynbrook, N.Y. 11563.

Lab Supervisor. Established San Francisco Bay Area m-p lab. Applicant must have working knowledge of timing, processing, printing, quality control, etc. Must have organizing ability and be able to work harmoniously with all people. P.O. Box 8423, Airport Branch Post Office, San Francisco, Calif. 94128.

Mechanical Design Engineers. Immediate openings for engineers with design experience in cine cameras and projectors, slide projectors and allied equipment. Exceptional opportunity for advancement in expanding and dynamic organization. Liberal benefits including profit sharing. Please send résumé to: R. L. Pugh, Bell & Howell Co., 7100 McCormick Rd., Chicago, Ill. 60645.

Chief Engineer. For WOR-TV, New York. Staff of 75 engineers and technicians. Must be engineering graduate, experienced in all phases of TV engineering, operation and management. Good salary and working conditions. Send résumé to Orville J. Sather, Director of Engineering, WOR-RKO General, 1440 Broadway, New York, N.Y. 10018.

Motion Picture Lab Technician. An opening for a man who wants a permanent job with security, likes laboratory work and wants to live in New England. Must have experience and be willing to operate all equipment. Send résumé to Mr. Bernd, Cine Service Laboratories, Inc., Watertown, Mass. 02172.

Commercial TV Engineers. Several openings through project engineer level. Responsibilities: preparation of tech. proposals, material lists; assist in cost anal. of tech. proposals. Req'd. to gather tech. data through customer contact: BSEE; writing exp; recent exp. in TV studio design, layout; video, audio systems; lighting req'd. Some travel. Also posits. in TV studio design. Req. knowl. studio jargon; tech. abil. necessary to supervise tech. personnel. BSEE; recent exp. in TV broadcasting and customer contact req'd. D. R. Fagin & Assoc., 300 I.TV-NBC Bldg., Dallas, Tex. 75201.

Photographic Instrumentation Engineer. Develop photo-instrumentation parameters for development data requirements, including problem definition, experimental implementation data analysis and advancement in techniques. Must have engineering degree, experience in application of photographic instrumentation techniques, understanding of film capabilities, development processes, image projection and photogrammetric methods. Send résumé to Honeywell, Inc., 600 Second St., N., Hopkins, Minn. 55343, Att: Mr. R. W. Loken. An Equal Opportunity Employer.

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.

Wanted: 1916 to 1929 Transactions Nos. 1, 5, 6, 7, 8, 9, 11, 14, 16, 18. Write to: G. Carleton Hunt, DeLuxe Laboratories, Inc., 850 Tenth Ave., New York, N.Y. 10019.

For Sale. *Jours.* April 1936 through Dec. 1965, except missing copies for Feb. and Aug. 1937; Jan. and Nov. 1939; April 1941; April 1946; Dec. 1955; July, Nov. and Dec. 1962; and July 1963. Price \$65.00. Write Clifton L. Diamant, 10815 Woodhaven Dr., Fairfax, Va.

For Sale: Complete set of *Jours.* dated from July 1954 through May 1966. All like new, unbound. Best offer takes all. Irving Deutch, 18-50 211th St., Bayside, N.Y. 11360.

A complete set of *Jours.* Jan. 1946 to Jan. 1965, including indexes, directories and supplements, in perfect condition. Also High-Speed Photography 1949, 1954; Developments in Stereophony 1953; Color Sensitometry. Submit offer to Harry Lehman, 4911 Laurel Canyon Blvd., North Hollywood, Calif.

Feb. 1955; May-Dec. 1955; complete 1956; July, Sept., Dec. 1959; Jan. 1960; July-Dec. 1960; 1961-1964 complete; 1965-to date. Includes all indexes, directories, etc. Good condition. Best offer. Write: Robert J. Katzoff, 5 Hampshire Lane, Stamford, Conn. 06905.

1955-65 *Jours.* Any offer. R. W. Casey, 6259 Coldwater Canyon, N. Hollywood, Calif.

For sale: *Jour.*, 1949-1964. Excellent condition, unbound, available only as complete set. Write: Harry Wuest, 220 E. 60 St., New York, N.Y. 10022.

For Sale: Back issues of *Jour.* 1948-1964 including March 1949 and Nov. 1949 High-Speed Photography issues. Some years incomplete. Make offer for all part or single copies. All letters answered. K. D. Clement, 6612 Andasol Ave., Van Nuys, Calif. 91406.

Journal copies: Single copies of the *Transactions* or *Journal* from 1916 to date, when in stock, are available from Society Headquarters, 9 E. 41st St., New York, N.Y. 10017, at \$2.00 each.

Those now out of print are: *Transactions* No. 1, 2, 3, 5, 6, 7, 8, 9, 11, 14, 16, 18 and *Journals* dated: May 1932; May, June and October 1933; January through April 1934; April and May 1936; April and May 1937; January, March, May and July 1938; February and April 1939; March, May and June 1940; March and July 1941; February through May and July 1944; January, February, April and August 1945; January, February and July 1946; January 1947; February 1948; January, March-Part 2, July through September and November 1949; January, February and June, 1950; July, October 1951; May 1954.

Journal copies, special two-part issues, (April 1953, August 1953, September 1953), are sold at \$2.50 each. *Journal* indexes: for 1930-1935, \$2.00; for 1936 to 1945, \$3.00; for 1946-1950, \$2.00; for 1951-1955, \$2.50; for 1956-1960, \$2.50.

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