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Calif. The light is 10-in. in diameter and weighs 12 lb. It is said to provide usable photographic light equal to a 5000-w conventional studio key light when controlled by the ColorTran Converter. It is priced at \$120.

The 40-amp Mark II Cinemaster Converter, designed to control eight 500-w PAR 64 lamps at 3400 K, has been announced by Natural Lighting Corp., 630 South Flower St., Burbank, Calif. The converter features two banks of color-coded pushbutton switches, each bank individually monitored on a Kelvin meter. A safety interlock switching is used to permit starting operation at normal lamp voltage only. The unit measures 9 by 9½ by 12 in. and weighs 50 lb. It is priced

at \$258. It is available with remote control on special order.

The Model 150 Milliampere Circuit Breaker, a product of Orbitec Corp., 512 30th St., Newport Beach, Calif., is a compact unit designed to protect transistor circuits against sudden or transient overloads. The circuit breaker is said to respond to 1-μsec transients, opening the load within 10 μsec. The trip current may be adjusted by a panel-front knob to any value between 15 and 150 ma. A "reset" button is depressed to close the circuit, but the instrument cannot be reset if an overload condition continues to exist. Accuracy is said to be ± 10%. Power may be supplied from any standard 120-v, 60-cycle source. It is priced at \$160.

Books, Booklets, Brochures

Information Retrieval and Machine Translation (in two parts), edited by Allen Kent, is Volume 3 in the series, "Advances in Documentation and Library Science," General Editor, Jesse H. Shera. Published by Interscience Publishers, Inc., 250 Fifth Ave., New York 1, Part 1, is presently available at a price of \$23. Part 2 is in press and is expected to be priced at about \$25. The emphasis in Part 1 is on machine literature searching while Part 2 deals primarily with the problems of machine translation and the search for a common machine language. The two-part work represents the distillation of the research of seventy-five experts in the field of machine searching and translation of scientific literature, from ten countries. Included in Part 1 are many useful tables with detailed data on literature searching devices, analysis of literature, literature analysis-machine translation, language pairs under investigation, subject-fields covered, and translating equipment.

A translation of the *Akusticheskii Zhurnal* (Acoustics) of the USSR Academy of Sciences is offered by the American Institute of Physics in cooperation with the National Science Foundation. Presently available or scheduled are Vol. 6, Nos. 1-4 (containing material published in the original Russian Journal in 1960) and Vol. 7, Nos. 1-4 (containing material from the original Russian Journal in 1961). Subscription rate for each volume is \$12.00 in the United States and Canada, and \$14.00 elsewhere. A brochure containing a description of the periodical and selected titles from the Table of Contents is available without charge from American Institute of Physics, 335 E. 45 St., New York 17.

IEC Publication 124: Recommendations for the Rated Impedances and Dimensions of Loudspeakers, published by the International Electrotechnical Commission (IEC), is available from the American Standards Association, Dept. PR 198, 10 E. 40 St., New York 16. It is priced at \$1.20. The IEC is the coordinating body for international standards in the fields of electricity and electronics. The publication applies

to single moving-coil (dynamic) loudspeakers of the direct radiator type. It provides a series of rated impedances of the moving coil and mounting dimensions (size and arrangement of mounting holes). The dimensional recommendations are limited to loudspeakers having cones of circular section.

The **Engineering Index for 1960** is now being compiled. Information, including the current catalog is available without charge from The Engineering Index, 29 W. 39 St., New York 18. For the 1959 Index, a staff of engineering linguists reviewed each issue of more than 1800 Engineering and Technological publications and selected therefrom and annotated more than 34,000 articles covering 249 fields of engineering. Publications from 44 countries in more than 20 languages are reviewed. Each annotation is supplied on a 3 × 5 library card. If a desired article is readily available, the Engineering Index undertakes to supply a photostat or microfilm copy of the entire article.

The first issue of **Applied Optics**, a bimonthly publication to be published by the Optical Society of America, 1155 Sixteenth St., N.W., Washington 6, D.C., is scheduled for January 1962. The magazine will be devoted to work in the areas of applied optics and closely related scientific and technical fields, such as physical, electron, ion, ultraviolet and space optics; lens design and optical formulas; plasma solid state and crystal physics. Each issue is planned to contain a leader review paper of about 10,000 words on one of the major aspects of optics or its applications, about 10 contributed technical papers of about 3000 to 5000 words, and other departments such as Letters to the Editor, Book Reviews, etc. The pre-publication annual subscription rate for OSA members is \$6.00 and for nonmembers, \$10.

An 8-page illustrated brochure describing in detail the RT-3A Heterodyne Repeater is available without charge from Adler Electronics, Inc., One LeFevre Lane, New Rochelle, N.Y. (att Mr. E. Strunin). The unit is designed for unattended TV and communications relaying in the 2-kmc frequency range.