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1960); (Permanent UNIATEC address: Secretariat, 92 Champs Elysees, Paris 7, France) 260 pp. paperbound, illus.

The Third International Congress of the Union of Technical Cinematographic Associations was held in Prague during October, 1960. It was attended by over one hundred delegates from nineteen nations, who presented papers in seven major subject areas: sensitometry and photochemistry, magnetic recording, acoustics, printing and duplicating techniques, projection, new methods of presenting motion pictures (wide screens, circular theaters, etc.), and television techniques. The papers, which were given in English, French, German, or Russian, have been compiled in this 260-page volume, with résumés in the three languages other than that used by each author.

This collection of papers provides an interesting record of the state of the art in certain technical fields, in the various countries. Many of the papers present extensive data, while others describe equipment or techniques.—*Allan L. Soren*, Eastman Kodak Co., Research Laboratories, Kodak Park, Rochester, N. Y.

Books, Booklets, Brochures

Oceanographic instrumentation equipment is described in a catalog available from Edgerton, Germeshausen & Grier, Inc., 170 Brookline Ave., Boston 15, Mass. Among the products illustrated and described are the EG&G Pinger System, an acoustic device for positioning of oceanographic equipment at precise distances above the ocean floor; the Pinger Probe, a system which shows sunken objects or geological features buried under as much as 40 feet of bottom mud; and the Boomer Seismic Profiling System, which traces geological interfaces beneath the ocean floor in deep water. Also available are technical data sheets on a new photographic lighting system called the EG&G Model 520 Multiple Microflash. This is a packaged unit designed for multiple exposure photography of high-speed events in ballistic, fatigue, and stress/strain studies. It is described as having a peak light output of up to 4 million beam candle-power.

Proceedings of the NAEB Conference on Instructional Broadcasting held at the University of Illinois, May 13-15, 1963, is available from the National Association of Educational Broadcasters, 1346 Connecticut Ave., N.W., Washington, D.C. 20036, at a price of \$2.00. The 98-page Proceedings, edited by Betty McKenzie, contains 17 papers covering various aspects of instructional broadcasting. Chapter headings include: Application of Principles of Learning to Instructional Broadcasting; Uses and Utilization of Television; Creative Production for Instruction; Technical Sessions; Faculty Rights and Compensation; and Manpower and Training. A paper by Harold E. Wigren on "The Professional Rights and Responsibilities of Television Teachers" appears under the chapter heading of Faculty Rights and Compensation. A group discussion centered around a paper by Robert R. Suchy of Milwaukee

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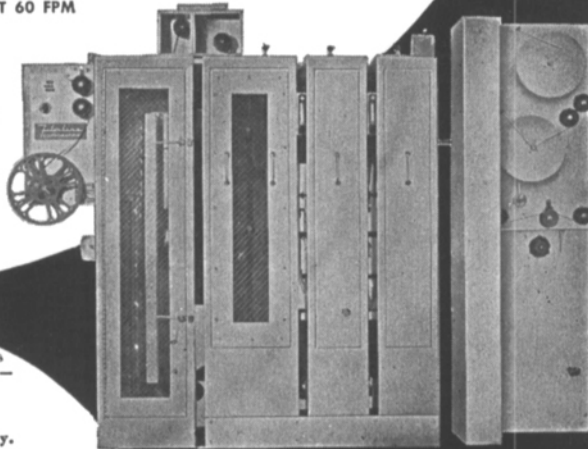
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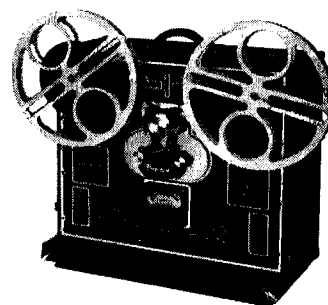
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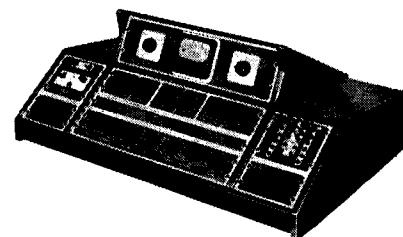


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Public Schools on "The Role of the Classroom Teacher, Teacher Training, Utilization." Conference Co-chairmen were Leslie P. Greenhill of Pennsylvania State University, and Charles J. McIntyre of the University of Illinois.

Publication of Mechanical Details for Product Design has been announced by McGraw-Hill Book Information Service, 327 W. 42 St., New York, N.Y. 10036. Edited by Douglas C. Greenwood, who is Associate Editor of Product Engineering, the book contains 337 pages, plus index and has more than 1000 illustrations. It is priced at \$9.00. The purpose of the book is to provide illustrated methods of solving mechanical design problems encountered by design engineers in everyday work. It includes tables and charts of basic design factors and formulas. The book is compiled largely from mechanical design articles that have appeared in Product Engineering magazine.

A Semiconductor pricing guide and latest listing of transistors, diodes and rectifiers of leading manufacturers are included in Supplement No. 641, a 56-page supplement to the Allied Electronics 1964 catalog. The supplement is available upon request from Allied Electronics Corp., 100 N. Western Ave., Chicago 80, Ill. Listings of new products include electronics and thermal time-delay devices, T-bar relays and switches and printed circuit and miniature components.

Magnetic Memory Drums are described in Bulletin 63-8, a brochure available from Houston Fearless Corp., Westwood Div., 11801 Olympic Blvd., Los Angeles, Calif. 90064. The drums are reported to have a full range of capabilities and speeds in diameters from 3.25 in. to 20.00 in. and to be adaptable to all digital data storage systems. Range of access times is from 2½ to 50 msec.

The Motion Picture TV and Theatre Directory for Spring 1964 is available from M.P.E. Publications, Inc., Tarrytown, N.Y. 10592, at a price of \$1.00. The directory, published semiannually, maintains up-to-date listings of motion-picture service and products throughout the United States and Canada.

Photometry of Projectors at the National Bureau of Standards is a 28-page illustrated paper available from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at a price of 25 cents. The paper describes equipment used by the National Bureau of Standards to make photometric measurements of various kinds of projectors, particularly those used in airfield and aircraft lighting. The paper describes the photometric equipment most commonly used, with emphasis on its application to particular types of projectors. Also discussed is the theory and practical considerations of the various calibration procedures.

Bruel & Kjaer Technical Review 2-63 and a 16-page illustrated technical brochure on Models 1013, 1017 and 1022 Beat-

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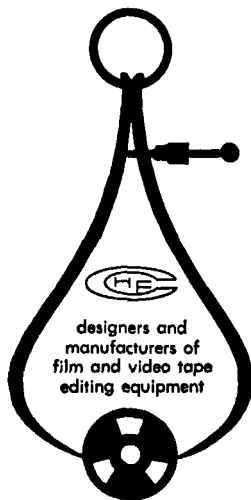
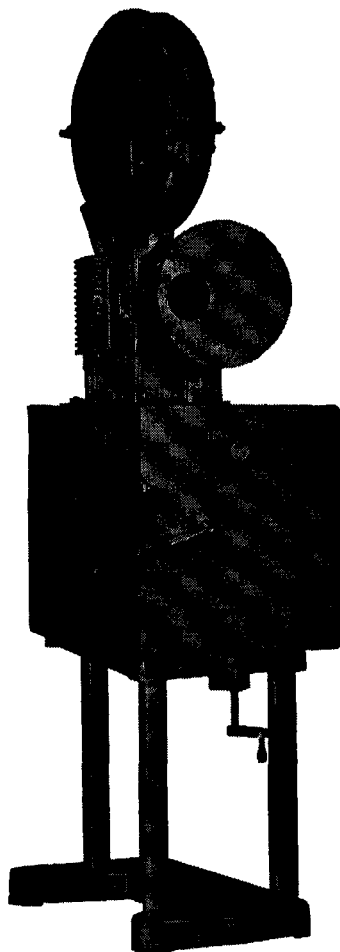
The projector is a converted front shutter Simplex with a two pin intermittent. 16mm or 35/32 film runs at a speed of 144 ft. per minute while 35mm film runs at a speed of 165 ft. per minute.

1. A variac controls the light intensity.
2. A 500 watt lamp is used for 16mm and a 1,000 watt for 35mm (a blower is used to cool the lamphouse).
3. A 2½ inch projection lens is furnished with each unit.
4. A start-stop lever controls the power to the lamp and motor.
5. The magazine and take up core takes up to 3,000 ft. of film.
6. Upper guide rollers are made to handle the film from either direction of the feed reel.
7. A free wheeling take off flange is provided in the magazine.
8. A lamp near the takeup reel permits hand inspection of the film prior to takeup.

NOUVEAU

Le projecteur contient un obturateur Simplex antérieur transformé avec deux clavettes intermittent. Les films de 16mm ou 35/32 tournent avec une vitesse de 144 pieds à la minute, tandis que les films de 35mm tournent avec une vitesse de 165 pieds à la minute.

1. Le regulateur de voltage d'intensité d'eclairage.
2. La lampe de 500 watt est nécessaire pour les films de 16mm, et de 1000 watt, pour les films de 35mm (un ventilateur est mise pour rafraichir la chambre de la lampe).
3. L'objectif de 2½ est installé.
4. La manette de mise en marche et d'arret controle en meme temps la lampe et le moteur.
5. La boite de films avec noyau peut contenir 3000 pieds du films.
6. La roue supérieure est construite de manière de recevoir le film dans les deux directions, nourrie par la bobine centrale.
7. Une roue est installée pour libérer rapidement le film de la boite.
8. La lampe se trouve pres de la bobine recepteuse, et donne toute facilité pour inspecter le film a main dans le projecteur.



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NUOVO

Questi proiettori sono Simplex trasformati, otturatore al fronte, meccanismo di scatto di due punte. La velocità di proiezione in 16 o 35/32mm è di 144 piedi per minuto, e in 35mm, di 165 piedi per minuto.

1. Controllo manuale della luminosità della lampada.
2. Lampada di 500 watt per 16mm e di 1000 watt per 35mm.
3. Obiettivo di proiezione di 2½".
4. Maniglia per controllo di motore e lampada di proiezione.
5. La cassetta porta pellicola puo contenere 3000 piedi.
6. I rulli superiori di guida sono costruiti per operare con film proveniente di amboi lati della bobina svolgitrice.
7. Disco con montatura sporgente nel magazzino.
8. Una lampadina illumina la bobina avvolgitrice, permettendo l'ispezione manuale del film prima che si avvolga nel proiettore.

NUEVO

Esta máquina es un proyector simplex convertido, obturador al frente y movimiento Intermitente a doble grifa. Para 16mm o 35/32mm, la velocidad fija de proyección es de 144 pies por minuto, para 35mm es de 165 pies por minuto.

1. Un reostato controla la intensidad de la lampara de proyección.
2. Para 16mm se usa una lampara de 500 watt, y una de 1000 watt para 35mm (un chorro de aire ventila las lámparas en ambos casos).
3. Cada unidad está provista de un lente de proyección de 2 pulgadas y media.
4. Una palanca de control opera el motor y la lampara simultáneamente.
5. Capacidad de proyección: rollos de hasta 3000'.
6. Los rodillos de guía superiores operan con la película en ambas direcciones.
7. La tapa de la bobina de carga es desenroscable.
8. Una lámpara ubicada junto a la bobina de toma permite la inspección manual de la película antes que se rebobine en la bobina superior del proyector.

Frequency Oscillators are both available from B&K Instruments, Inc., 3044 W. 106 St., Cleveland 11, Ohio, upon request.

The Technical Review contains articles on "Quality Control by Noise Analysis" by J. August Jensen; "A. F. Nonlinear Distortion Measurement by Wideband Noise" by Bjarne E. Bang; and "A Note on Perceived Noise Level" by Jens T. Broch.

35mm Color Filmstrips and Color Slide Duplicates is an 8-page illustrated brochure available from Frank Holmes Laboratories, Inc., 1947 First St., San Fernando, Calif. In addition to describing services available from the laboratories, the brochure supplies

practical production information on filmstrips and slides.

Visual Views, a new publication of Visual Electronics Corp., 356 W. 40 St., New York, N.Y. 10018, made its first appearance with the April, 1964, issue. The four-page illustrated periodical devoted most of the first issue to the Visual Exhibit of the 1964 Convention of the National Association of Broadcasters. There is also a "Personality Profile" column and a column called "News from the Editor's Desk." A. A. Menegus is the Editor.

Television Tape Recording Systems: A Guide for School Administrators, by

Warren Lindle Wade, is a 17-page illustrated booklet published by Ampex Corp., 401 Broadway, Redwood City, Calif. The publication covers television tape recorders as they relate to school district needs.

Vanguard motion analyzers and Automax 35mm data recording cameras are illustrated and described in separate folders available from Traid Corp., 17136 Ventura Blvd., Encino, Calif. (P.O. Box 648). The motion analyzers are manufactured by Vanguard Instrument Corp., 20 W. Centennial Ave., Roosevelt, L.I., N.Y. The Automax cameras are manufactured by Neyhart Enterprises. Both products are distributed by Traid.

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