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Add for new amplification..... \$1250.00
Add for reconditioning..... \$1000.00

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ACMADE 35MM Viewers 6" x 8 1/2" picture, motorized on rolling stand. Originally \$1800.00. Serviceable condition..... \$295.00
MOVIOILA UDS 35MM, picture one side, optical sound on other, with takeup arms and amplifier for bench mounting. Serviceable condition..... \$495.00

MOTION PICTURE PRINTERS

ACE 35MM Soundtrack Printer on pedestal, operates with any picture printer. Excellent condition..... \$ 295.00
DEPUE double head continuous contact 35MM sound and picture. Originally \$6600.00. Excellent condition..... \$1295.00
DUPLEX 35MM Step Printer (2 machines in one). Excellent condition (plus \$35.00 crating)..... \$ 295.00

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S.O.S. PHOTO-CINE-OPTICS, Inc.

602 West 52nd St., New York 19—PLaza 7-0440
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Vice-President in 1961. It was with regret that President Levinos of SPSE accepted his resignation from that office in 1962 when his health no longer permitted him to devote to it the time he felt it deserved.

His interests were wide and varied. His sympathy for and understanding of the less fortunate in our society led, among other things, to his involvement in the work of the Baden Street Settlement House in Rochester, N.Y. The intellectual vigor and genuine concern which he brought to the problems of this social agency contributed much to the realism and effectiveness of its programs for the improvement of the quality of life for residents of the "less-chance" areas. He gave unstintingly of his time and energy as a tutor and counselor of the aspiring boys

and girls at the Baden Settlement House and as a member of the Group Work Committee. He will be remembered there and in the community at large for his sincerity, his high integrity, his deep social concern, and the creativity of his contributions to the solution of difficult community problems.

As an international authority on the chemistry and techniques of motion-picture processing and many other subjects related to the handling and storage of film, Charles Ives has left an indelible imprint of inestimable value for his fellow engineers. His clarity of thought on the analysis of problems, his careful application to their solution, and his kindly relations to his fellowmen will long be remembered. — Glenn E. Matthews.

Canadian Section Plans Coast-to-Coast Meeting

Another first in SMPTE history will be made February 13 in Canada. The officers of the Canadian Section through Maurice French, Publicity Chairman, have announced plans for a closed-circuit television broadcast of a one-hour meeting, to be carried over the facilities of the CTV Network from coast to coast. Members and guests will be able to view the meeting in Montreal, Que.; Toronto, Ont.; Ottawa, Ont.; Moose Jaw, Sask.; Winnipeg, Manit.; Calgary, Alta.; and Vancouver, B.C. Thus, for the first time, it will be possible for every Canadian member

to participate in a general meeting of the Section.

The plan for this nationwide meeting, which will originate in Toronto and possibly also in Montreal, grew from a suggestion made by Murray W. Marshall of S. W. Caldwell Ltd. A committee is now busy preparing the program for the meeting; full details will be mailed to Canadian members in the near future. To mark the importance of this meeting in the history of the Society, our new president, Reid H. Ray, has been invited to be present.

Education, Industry News

Telstar, which spent a well-behaved four months "up there," now refuses to obey commands to turn its communications receiver and transmitter on and off. Telstar's developer, Bell Telephone Laboratories, is endeavoring to find the cause, mainly to provide information for improving future satellite reliability. The difficulties do not affect telemetry transmission which has continued to operate properly. All experiments originally planned for the satellite have been carried out, and more than 400 demonstrations have been made. These have included multichannel telephony, telegraphy, and data and other facsimile transmissions. Transatlantic television has been demonstrated 47 times and five of the demonstrations have been in color.

Since July 10 when Telstar was launched by NASA it has reported back to Earth on events occurring in its orbit from 600 to 3,500 miles above the Earth. For example, it has encountered a lot of high-energy electrons. This is an undoubted fact, but whether these electrons represent an unusually high concentration of Van Allen belt electrons or result from the high-altitude nuclear bomb test of July 9 is still being debated.

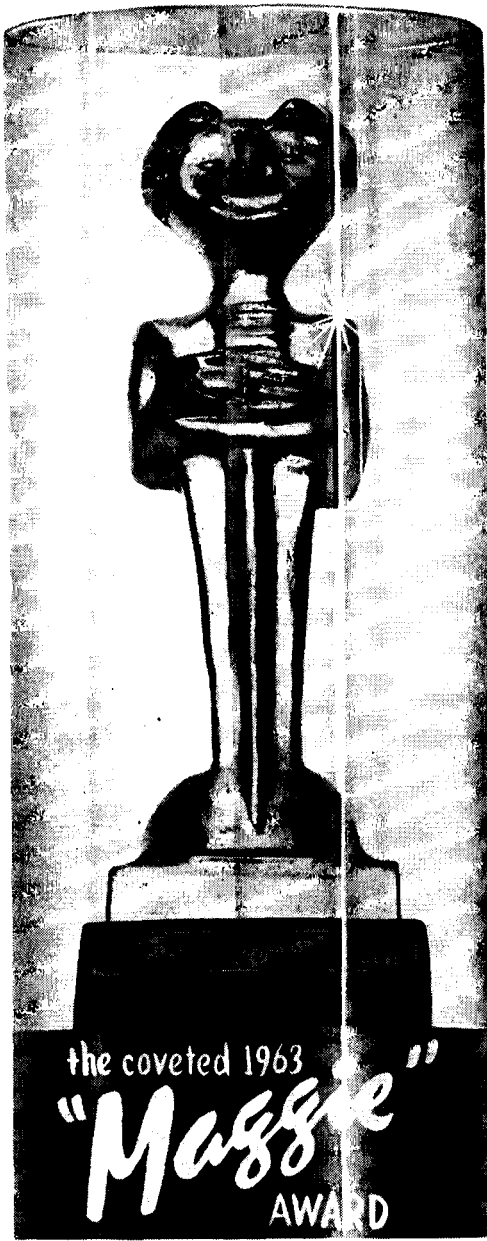
Various organizations, other than Bell Telephone Laboratories, have contributed in some measure to the many tests preceding the satellite launching. For example, the satellite was subjected to solar radiation provided by carbon arcs that closely duplicate the spectrum of the sun's energy outside the Earth's protective atmosphere. Three solar lamps burning high-intensity

arc carbons supplied by National Carbon Company were cycled on and off on a precise schedule to simulate orbital conditions.

Experiments conducted prior to the Telstar tests were described by J. W. Cosby, Arc Carbon Marketing Manager, National Carbon Co., in a talk before the convention of Theatre Owners of America (TOA) held during November in Miami Beach, Fla. In his address, entitled "The Light Merchants," Mr. Cosby described experiments conducted in the laboratories of the National Carbon Co.

He said that it was found that the sun and the carbon arc have identical outputs over the entire range of the spectrum. A Perkin-Elmer recording spectrophotometer was used to measure the spectral energy distribution of radiation from the carbon arc all the way out to 150,000 A. Data were then plotted on a curve showing the spectral energy distribution of the sun outside the Earth's atmosphere from 2,500 to 60,000 A, which includes about 98% of the Sun's energy output, and the two curves were found to follow each other very closely over the entire range.

According to Mr. Cosby, "space equipment designers can now use banks of carbon arcs with no filters or added energy in test chambers to simulate conditions of solar radiation in outer space. The space chambers already in operation use carbon arcs, and large chambers now under consideration will, undoubtedly, also use this high-intensity energy source to simulate solar radiation."



the coveted 1963

"Maggie"

award...

will be bestowed upon
all MAGNASYNC owners or users!

This solid gold* statuette, encased in a clear plastic container, is an original Wilkinson © design . . . made for Magnasync by Bernäd Creations, makers of the famous "Nebbish" characters.

*(Anyway . . . it looks like gold!)

In order for you to qualify for this distinguished honour it is absolutely necessary that you

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Send application immediately
for your "Maggie"



A dynamic new customer service program is under way at Magnasync. A service laboratory on wheels equipped with the latest test instrumentation, spare parts and new equipment for demonstration is on a continual cross-country tour.

In addition, all "Maggie" Award applicants will receive periodic mailings of valuable service bulletins describing equipment modifications and latest product and engineering developments. There is no obligation for this service.



"MAGGIE" APPLICATION

MAGGIE AWARDS COMMITTEE

Magnasync Corporation, 5546 Satsuma Ave., North Hollywood, Calif.

On behalf of myself and my company I hereby submit my application for a 1963 "Maggie" award statuette.

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Organization _____

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I own or operate the following Magnasync equipment:

Model	Serial No.	Approx. purchase date	Present condition
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Date _____ Signature _____

**NOISE-FREE
AS A
BEAM
OF
LIGHT**



**THE
New FAIRCHILD
LUMITEN™
ATTENUATOR**

No longer must you have noise in your audio circuits due to mechanical resistance systems. Now, the FAIRCHILD LUMITEN, the most advanced concept in professional attenuator design, uses a beam of light to change resistance, and provides absolutely noise-free attenuation. Total operating reliability is also assured because the FAIRCHILD LUMITEN eliminates the critical disadvantages of conventional attenuators such as dirty contacts, static charge buildup, erratic attenuation, abrupt, shaky fades, and continual maintenance.

In addition, the FAIRCHILD LUMITEN allows flexibility in console design. Attenuator circuits can be controlled remotely by placing the FAIRCHILD LUMITEN attenuator actuator at the location and the attenuation network hundreds of feet away at the same time utilizing inexpensive connecting cables. The result is a tremendous cost reduction in wiring and also the ability to change levels from a remote point without the use of expensive servo systems. This design also eliminates the problems of noise pickup in signal cables going to and from conventional type attenuators including the problem of noise cross talk.

The FAIRCHILD LUMITEN system of level control can honestly be considered the first real breakthrough in audio attenuation systems.

The FAIRCHILD LUMITEN is available in both slide type (Model 668) or rotary type (Model 669) in 150 and 600 ohm resistances for either adjacent or remote operation.

**Fairchild Lumiten prices:
\$39.00 to \$59.00**

For complete details write

FAIRCHILD
RECORDING EQUIPMENT CORPORATION
1040 45th Ave., Long Island City 1, N. Y.

The 17th annual Calvin Workshop has been announced by Calvin Productions Inc., 1105 Truman Rd., Kansas City 6, Mo., for February 4-6. The Workshop is planned to cover all phases of motion-picture production and techniques. The Workshops have been offered annually by Calvin Productions since 1946, with an estimated overall attendance of about 3500. Provision for at least 500 persons has been made for the 1963 Workshop. Guest speakers, each an authority in the specific area of motion pictures under discussion, are chosen to keynote the various sessions. Each session is designed to offer not only technical information but a broad general knowledge of the subject to benefit interested laymen as well as producers and technicians.

Color Collage, a 16mm sound film produced by Eastman Kodak Co., has received a grand prize as the best commercial film produced at the 5th Festival of Documentary and Experimental Films held in Montevideo, Uruguay. The film, designed specifically for art directors, combines abstract art and animation to illustrate the varied uses of color photography in advertising. It shows how photography can be used creatively to present ideas and motivate sales. The film has previously won a "first" over competing industrial sales and sales promotion films at a showing sponsored by the National Visual Presentation Association. The film is available without charge to art directors clubs, professional photographic organizations and meetings of advertisers.

The **BD 848 image-orthicon color camera** introduced in 1962 (*Jour.*, p. 304, Apr. 1962) by Marconi Wireless Telegraph Co. has been acquired by the British Broadcasting Corp. for use in a new studio at Lime Grove established by the BBC for use in experimental work connected with the operational problems of color TV. The camera uses three 3-in. English Electric Valve Co. image-orthicon tubes. It is said to provide good-quality color pictures at light levels of about 250 ft.-L. Switched internal preset controls in the camera provide for 405-, 525- or 625-line standard operation.

Tem Optical Company is a new firm located at 901 Liftwood Road, Wilmington 3, Del. According to a recent announcement the firm specializes in optical research and design of optical systems and also manufactures prototype optical systems with emphasis on high precision lenses, prisms, windows and flats. Services offered include electronic engineering and machine work.

The **Fairchild 8mm rear-screen projector** ("Compact rear-screen projector for 8mm films with magnetic sound stripe," R. G. Hennessey, *Journal*, pp. 590-592, Aug., 1961) is used as an "attention-getting device" by the firm of Wm. Gluckin & Co. of Yonkers which recently received the Vaspa Grand Award. This award is presented annually by *Variety Store Merchandiser Magazine* for the best use of in-store sales promotion materials in variety chain stores. The announcement stated

that the award-winning firm uses the projector to supplement its overall in-store merchandising program.

Completion of the 4-story building in Philadelphia that will house activities of the American Society for Testing and Materials is expected by the end of the year. Ground-breaking ceremonies were held October 16. The \$2 million building will contain 65,000 sq ft of floor space and will replace the ASTM headquarters now at 1916 Race St., Philadelphia.

The **twenty-fifth anniversary** of the "birth" of the orthicon tube developed by Albert Rose is commemorated in an announcement issued by Radio Corp. of America on October 11. Described as "one of the greatest single improvements in television since the invention of the iconoscope," (by Vladimir K. Zworykin), the orthicon made its "debut" in cameras used at the New York World's Fair in 1939, two years after the initial research. In commenting on this achievement, Dr. Rose said, "Early experiments proved to be extremely successful and by June of 1938, the first useful tubes were tested in the laboratory at Harrison, N.J."

The early orthicon tube is described as "resembling a short-necked round bottle, about 18 inches long and four inches in diameter." Basically, it picks up the moving image of the scene to be televised and converts it into an electrical signal that is broadcast to TV sets. Although by today's standards the picture produced by the orthicon was somewhat fuzzy, nevertheless it was the immediate forerunner of the image orthicon which resulted from wartime research and was placed in commercial use about 1945. Development of the image orthicon is credited to Dr. Rose, Paul K. Weimer, and Harold B. Law. This later development solved many illumination problems and made possible both day and night coverage of all kinds of events.

Maurice G. Anderson has been named Director of Quality Control by Kalvar Corp., New Orleans. He was formerly Quality Control Manager for the Anasco and Ozalid Divisions of General Aniline and Film Corp., Binghamton, N.Y. Mr. Anderson joined Anasco in 1935, and since 1942 managed various of its quality control divisions. In 1961 he was made head of the Anasco Product and Operations Technology and in 1962 following consolidation of the Anasco and Ozalid divisions of General Aniline and Film became Quality Control Manager of the consolidated divisions.

Bert Briller has been appointed Assistant to the President of MPO Videotronics, Inc., 15 E. 53 St., New York 22. In his new post he will have charge of television programming activities in addition to other duties in the area of general corporate development. Prior to this appointment, Mr. Briller was Vice-President for Affiliate Communication of ABC Television Network. Announcement of the appointment was made by Judd L. Pollock, MPO President, who revealed plans for extensively expanded activities.

Inspect every foot before it leaves your plant with the HFC High Speed Heavy Duty Inspection Projectors -- 16mm & 35mm models now available.

NEW

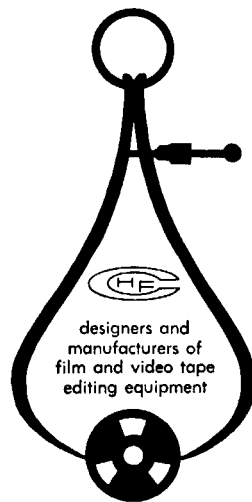
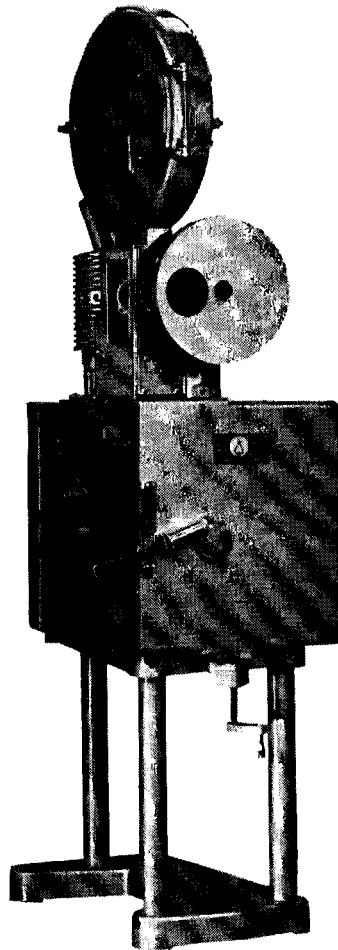
The projector is a converted front shutter Simplex with a two pin intermittent. 16mm or 35/32 film runs at a speed of 144 ft. per minute while 35mm film runs at a speed of 165 ft. per minute.

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'éclairage.
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'arrêt controle en meme temps la lampe et le moteur.
5. La boite de films avec noyau peut contenir 3000 pieds de 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.



HOLLYWOOD FILM COMPANY

REELS / CANS / CASES

NUOVO

Questi proiettori sono Simplex trasformati, otturatore al fronte, meccanismo di scatto di due punte. La velocità di proiezione in 16 o 35/32mm e 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 ambi 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.