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Obituaries

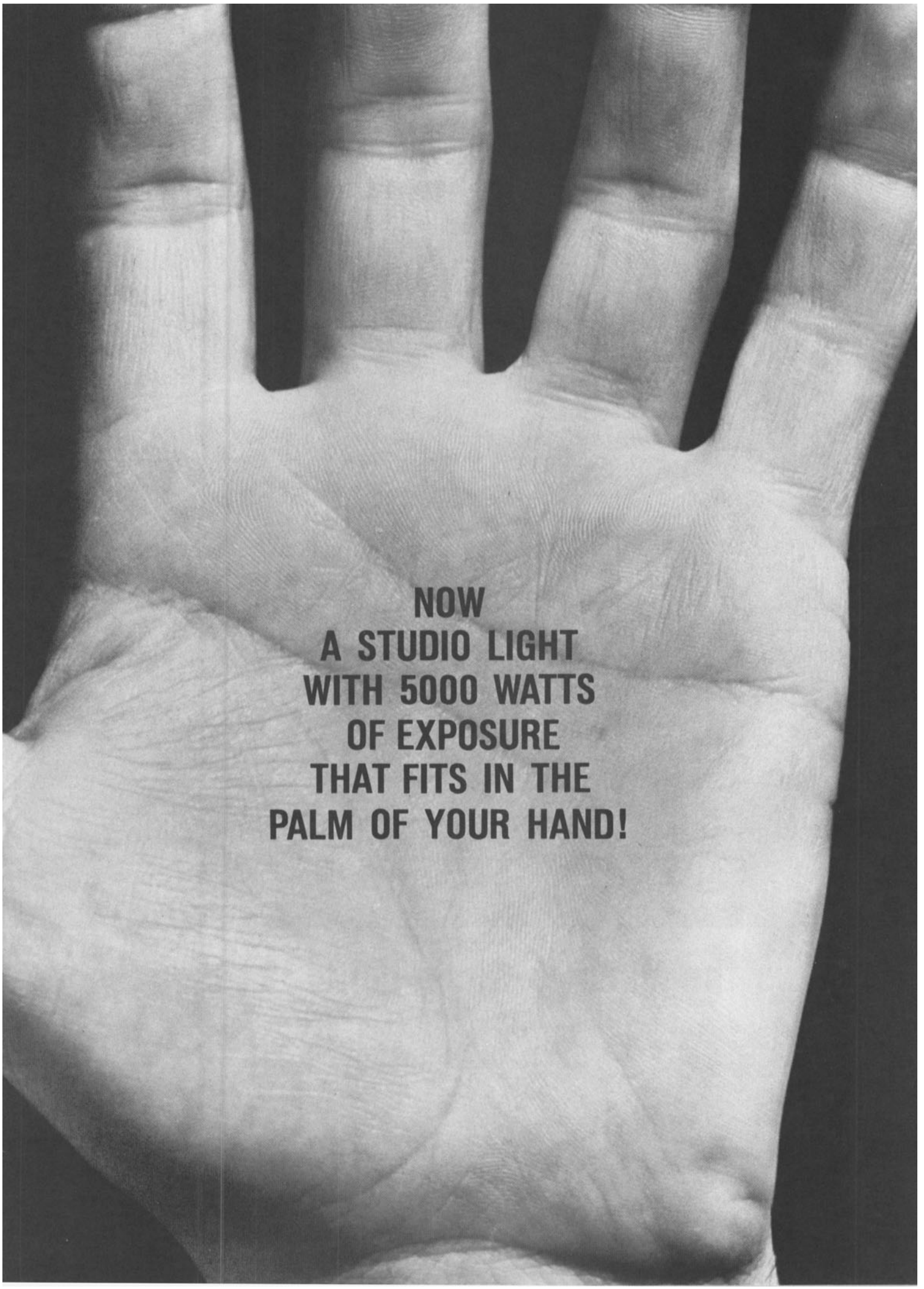
O. B. Hanson

Oscar Byram Hanson died September 26, 1961, in Norwalk, Conn. at the age of 67. He had been associated with Radio Corporation of America, National Broadcasting Company and predecessor companies for 38 years. He was Vice-President and Chief Engineer of NBC from 1937 until 1954 when he was elected Vice-President of Engineering Services of RCA. He retired in 1959. Following his retirement he continued his association with RCA in the capacity of consultant. During the time he was with NBC, among other activities he designed the studios for WRCA-TV (now WNBC-TV) which had been granted the first commercial TV license; converted radio studios for television; designed studio and master control systems; designed mobile TV units and established facilities at NBC for the introduction of color television.

He was born in Huddersfield, England, February 11, 1894, and the following year the family came to the United States to settle in Connecticut. In 1903 he returned to England for eight years of study at the Royal Masonic Institute, Hertfordshire. In 1911 he returned to America where he worked for the Underwood Typewriter Company of Hartford, Conn., at the same time attending night classes at the Hillyer Institute where he took courses in electricity, drafting and automotive engineering. At the age of 20 he studied at the Marconi School in New York and became a ship radio operator and later joined the Engineering Department of the Marconi Wireless Telegraph Company of America where, in 1918, he was made Chief Test Engineer. This firm was acquired by RCA in 1919.

Following World War I, Mr. Hanson joined station WAAM in Newark, N.J., as Chief Engineer.

While with WAAM he designed a microphone for his own use which shortly thereafter came to the attention of other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WITH 5000 WATTS
OF EXPOSURE
THAT FITS IN THE
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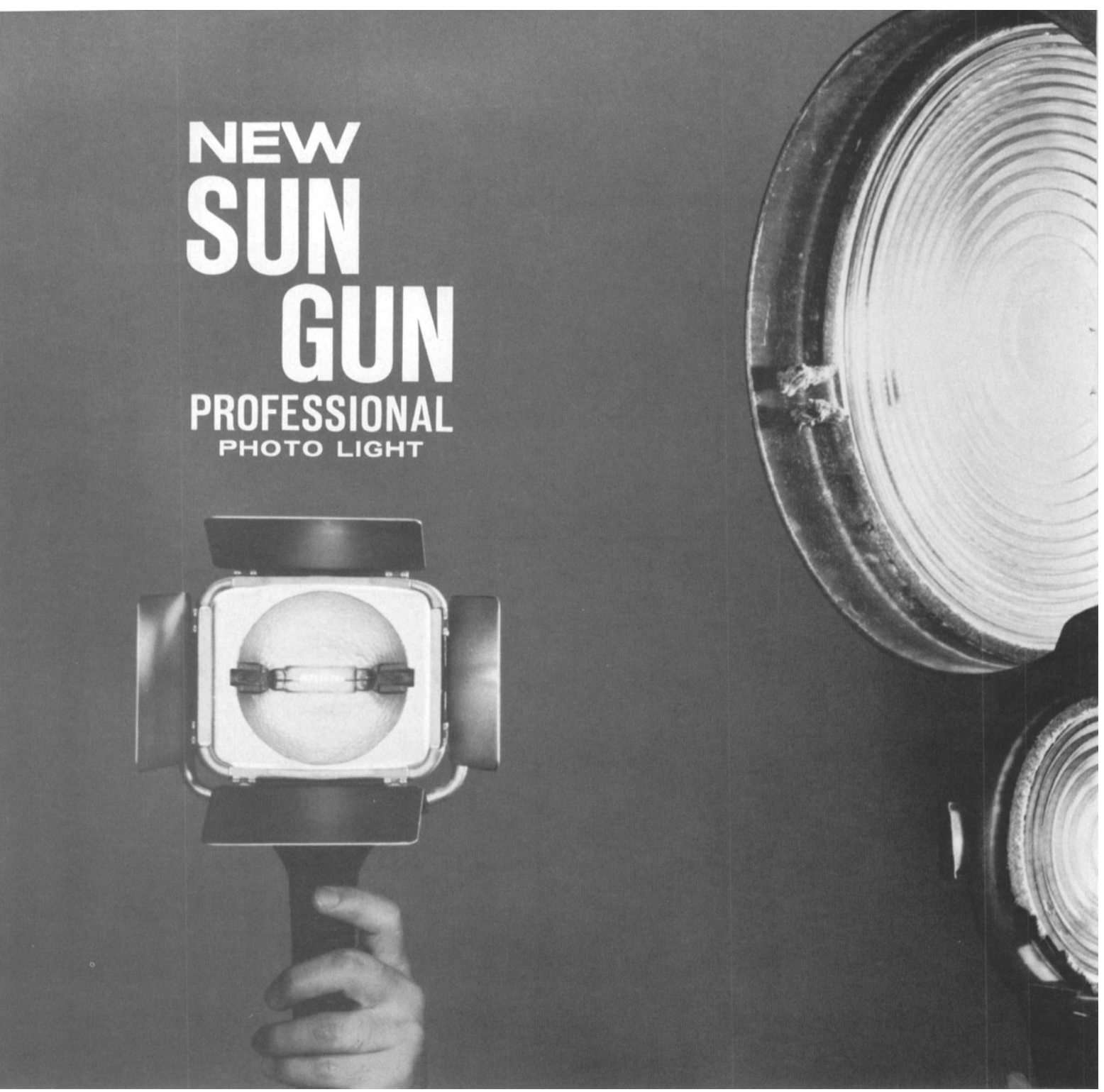

takes the place of studio lights 10 times bigger

This is the compact new photo light that has started a revolution in studio lighting. It's a specially engineered PROFESSIONAL version of the SUN GUN home movie light, invented by Sylvania, that major Hollywood studios have already adopted.

The SUN GUN PROFESSIONAL is so small it actually fits in the palm of your hand. So powerful it produces 5,000 watts exposure . . . at only 1000-watts electrical cost. So versatile that it easily does the work of most studio lighting equipment . . . and does it better! And the SUN GUN PROFESSIONAL weighs only 3 pounds!

Unlike regular studio equipment, SUN GUN PROFESSIONAL is inexpensive to buy, inexpensive to maintain, inexpensive to ship on location. What's more, SUN GUN maintains original brightness and color temperature for the entire life of the lamp . . . without reducing lamp life!

Where does SUN GUN get its fantastic brilliance? For one thing, it has an amazingly powerful 1000-watt High-Silica Halogen lamp with 65,000 center beam candlepower. It also has a *special reflector* with over 750 light-intensifying surfaces. The result is an intensely bright light that floods the scene like the sun. Light is smooth and even. Balanced to 3400°K for indoor color film use. Instantly replaceable lamp has 12 hours' average life.

SUN GUN PROFESSIONAL is completely adjustable. Head can be aimed in any direction. Beam spread is 30° vertical; 36° horizontal. Complete with portrait lens, flood lens, metal barn doors, and 12-foot cord.

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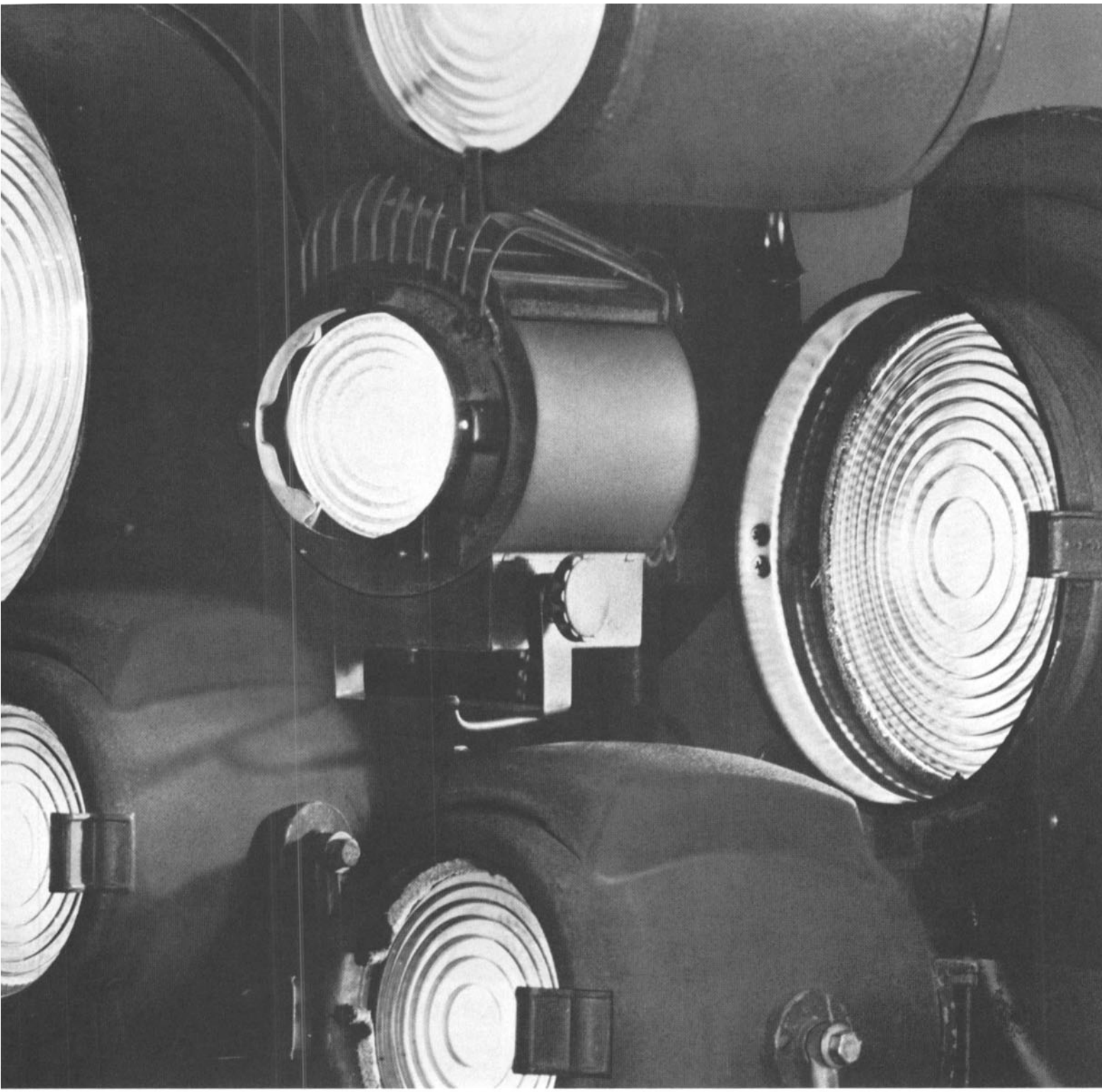

...10 times heavier...10 times more expensive!

SEE NEXT PAGE FOR COMPLETE DETAILS ON BUILT-IN FEATURES AND SPECIALIZED STUDIO ACCESSORIES.

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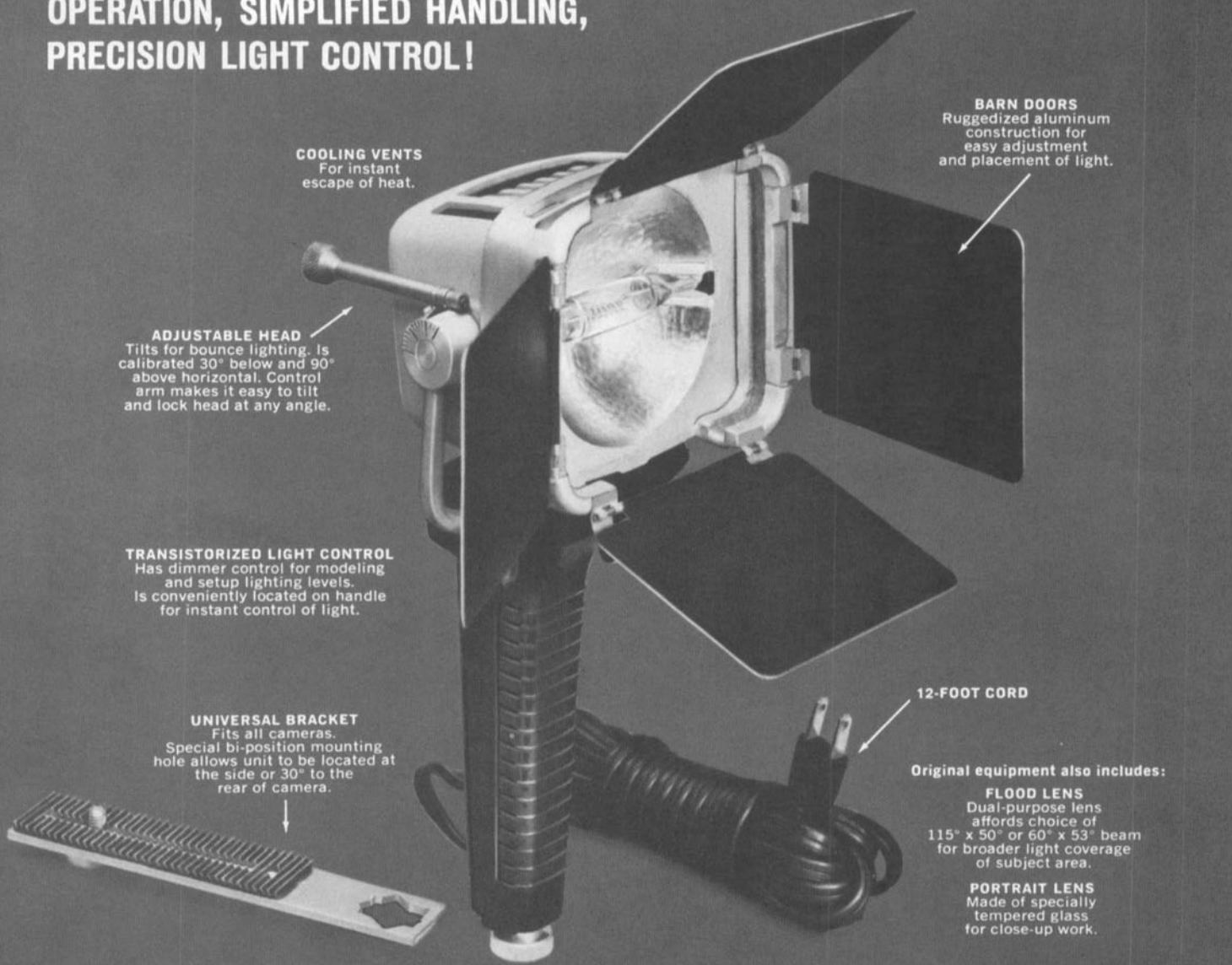
GENERAL SYSTEM

SUN GUN PROFESSIONAL PHOTO LIGHT IS FULLY EQUIPPED FOR EFFICIENT OPERATION, SIMPLIFIED HANDLING, PRECISION LIGHT CONTROL!



COOLING VENTS
For instant escape of heat.

BARN DOORS
Ruggedized aluminum construction for easy adjustment and placement of light.

ADJUSTABLE HEAD
Tilts for bounce lighting. Is calibrated 30° below and 90° above horizontal. Control arm makes it easy to tilt and lock head at any angle.

TRANSISTORIZED LIGHT CONTROL
Has dimmer control for modeling and setup lighting levels. Is conveniently located on handle for instant control of light.

12-FOOT CORD

UNIVERSAL BRACKET
Fits all cameras. Special bi-position mounting hole allows unit to be located at the side or 30° to the rear of camera.

Original equipment also includes:

FLOOD LENS
Dual-purpose lens affords choice of 115° x 50° or 60° x 53° beam for broader light coverage of subject area.

PORTRAIT LENS
Made of specially tempered glass for close-up work.

Full range of optional accessories quickly adapts SUN GUN for every studio lighting need!

Accessory holder. Adapts SUN GUN to accept the following wide variety of specialized optional accessories:

Daylight filter. Corrects color temperature of basic 3400°K lamp to permit use with daylight type color film. Eliminates need to correct light with camera filters that reduce efficiency of fine camera lenses.

Snoots. Provide a finely controlled beam for spot highlighting of small areas. Two sizes—large and special optical "Sniper Snoot."

Carrying case. For convenient carrying of SUN GUN and accessory lenses.

Super-spread lens. Spreads beam to match field of extra-wide-angle camera lenses. For use with large barn doors or accessory holder.

Large barn doors. Permit horizontal control of light beam to conform to specific area lighting requirements or to keep light out of camera lens.

Special 3200°K filter. High-silica glass, accurately balanced for Type B film.

Diffusing filter. Spun-glass scrim provides soft, even, diffused light for close-up work. Includes removable spread lens.

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radio stations. In 1923 he joined station WEAF (later WNBC), in New York, as Staff Engineer. Later he became Plant Manager and when the station was acquired by NBC in 1926 he was made Chief Engineer. He held many patents for inventions and developments in the fields of radio, television and acoustics.

A Fellow of the Society, he was quietly influential in its affairs for many years. He was also a Fellow of the IRE and of the Acoustical Society of America.

Monroe Sweet

Monroe Sweet, 47, died September 8, 1961, in the crash of a private plane at Binghamton, N.Y. An experienced pilot with many years experience, he was alone in the plane when it crashed as he was attempting to land. It was reported that he was testing the engine before making a flight with a group of photographers.

At the time of his death he was President of Quantametric Devices, Inc., of Binghamton. He had been associated with Ansco Division, General Aniline & Film Corp. for about 20 years, beginning in 1939 when he joined Ansco as a research physicist, specializing in problems relating to production of photographic materials. During the time he was with Ansco, among his inventions and developments were included the Ansco-Sweet Densitometer (described in the February 1942 *Journal* ("A Precision Direct-Reading Densitometer")) and the Intensity Scale Sensitometer. He is the author of "The Densitometry of Modern Reversible Color Film," published in the June 1945 *Journal* and of a number of papers in other scientific publications.

Born in Ossining, N.Y., he was graduated from Wesleyan University in 1937. During 1937 and 1938 he was employed by the Weston Instrument Co. of Trenton, N.J.

He had been a member of the Society since 1945.

section reports

Five hundred persons attended the September 19 meeting of the **Hollywood Section** at the Directors Guild of America Theatre.

The opening film, "The Miracle of Todd-AO," and selected outstanding production excerpts in 70mm, provided through the courtesy of Fred Haynes of Todd-AO Corp., were extremely interesting and drew enthusiastic audience response.

In a paper entitled "A Novel Shutter and Intermittent for a Video Recording Camera," Bill Palmer described a new video recording camera design incorporating a shutter which spreads the picture splice over a time interval of about 40 video lines, resulting in the elimination of shutter bar problems. An extremely rapid pulldown, required by this shutter design is achieved by releasing energy stored in a