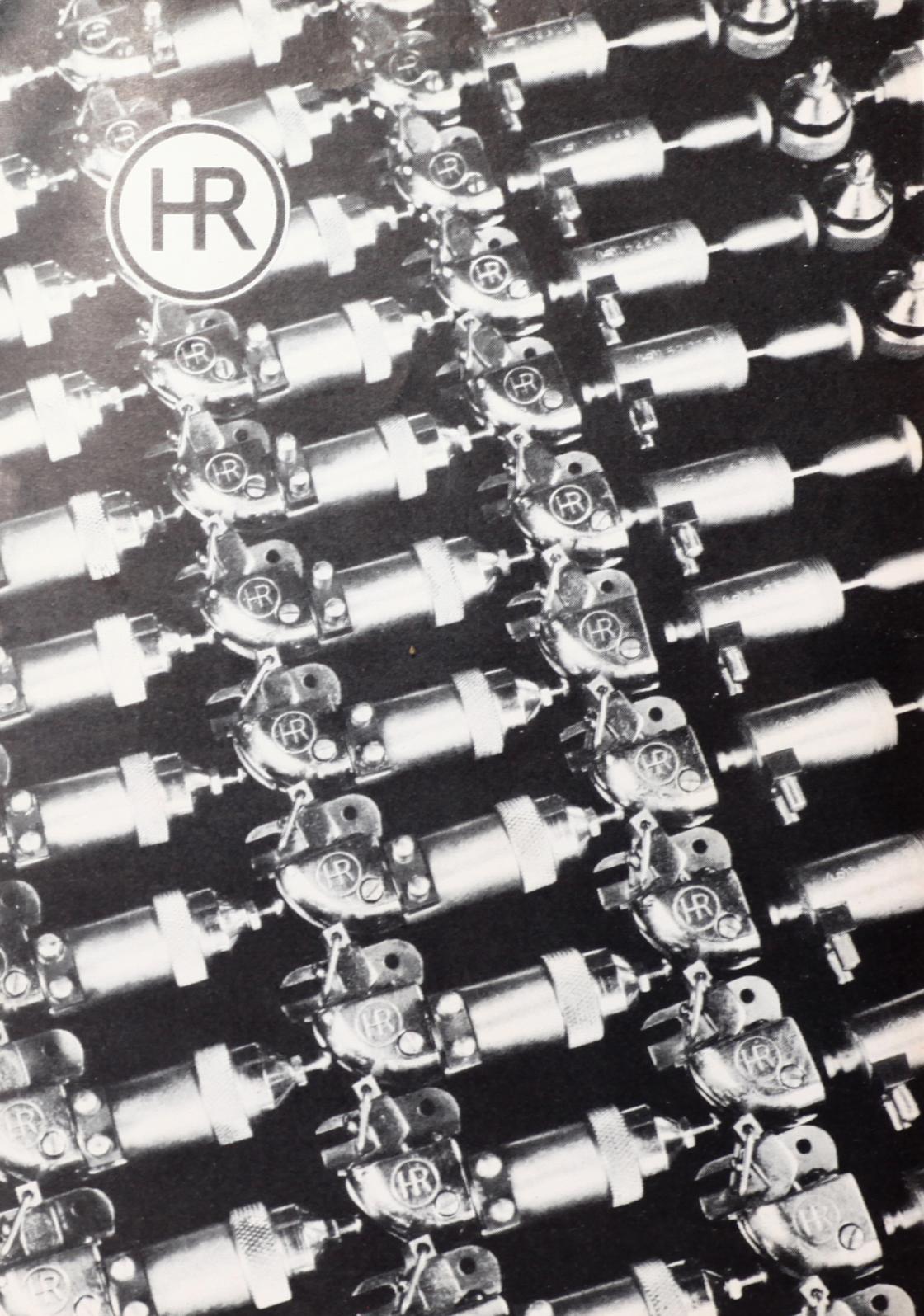


# Heiland

*synchronizers*

*accessories*



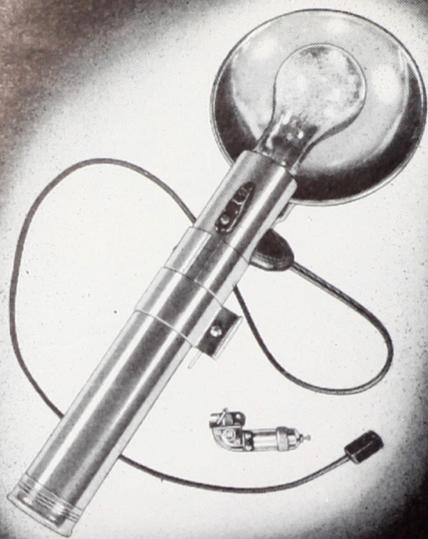


# Heiland History

The Heiland Research Corporation has its home in Denver, Colorado. It is an organization made up of technologists, engineers, and precision craftsmen. The geophysical, industrial, and photographic products, born of their vision and skill, are used in every corner of the world. With Heiland geophysical equipment, pencils of light have painted accurate pictures of rock strata thousands of feet below the earth's surface. With Heiland flash synchronizers, news pictures of history have been made. Distinguished photographers have carried Heiland equipment to every continent and country, from arctic to equator, from jungle to desert. The name Heiland has become a symbol of advanced design and dependable craftsmanship.

Copyright, 1945, Heiland Research Corporation





# Heiland Synchronizers

## PRESS MODEL "S"

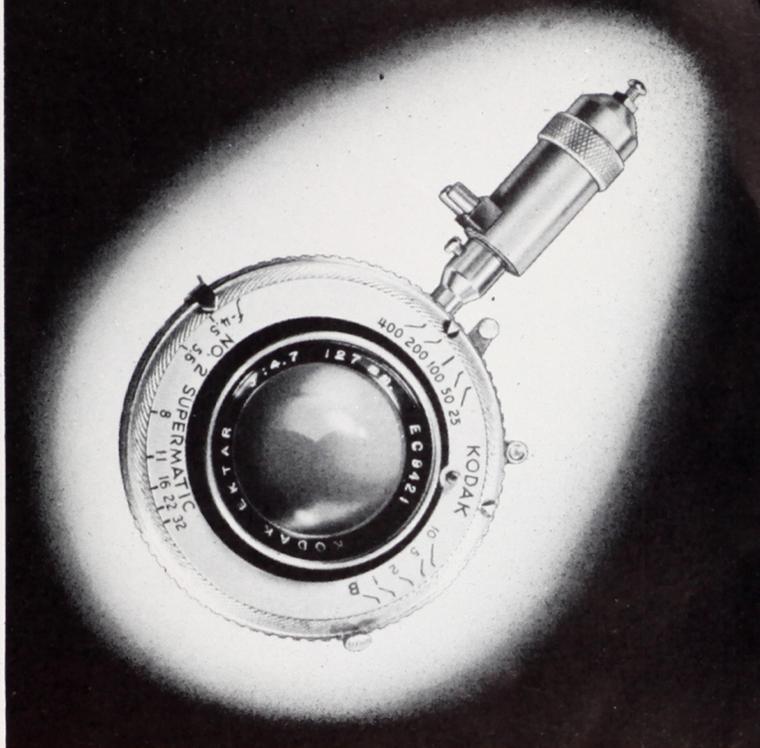
A precision-made instrument of the highest quality for professional and amateur use. Accurate synchronization is guarded by rugged construction which guarantees dependability and long life.

The 3-cell battery case can be instantly removed from the camera bracket, which is permanently mounted on right or left side of the camera. The Electro-Matic Coil is permanently mounted on the camera lens board. A durable 5-inch reflector is furnished as standard equipment.

Model S Synchronizer can be fitted to the Speed Graphic, Linhof, Watson, B & J Press, Deardorf, 9x12 cm. Recomar, Voigtlander, and other similar cameras (specify camera make, model, and size).

Complete with battery case, 41-5 reflector, cord and Electro-Matic Coil .....	<b>\$26.50</b>
Complete with battery case, 45-A reflector, cord, and Electro-Matic Coil .....	<b>\$29.75</b>

Metal lens board and installation extra.



## Heiland Model "K" SYNCHRONIZER

The same high-quality precision-made instrument as the Model S, but adaptable to a large variety of popular cameras. The Model K coil assembly is designed to fit the cable-release socket on cocking-type between-the-lens shutters. This is the same basic coil unit as the Model S; it gives the same precision timing with exact micrometer adjustments, and has all the superior features, but is not permanently mounted.

- Complete with battery case, 41-5 reflector, cord, and  
Electro-Matic Coil ..... **\$21.50**
- Complete with battery case, 45-A reflector, cord, and  
Electro-Matic Coil ..... **\$24.75**

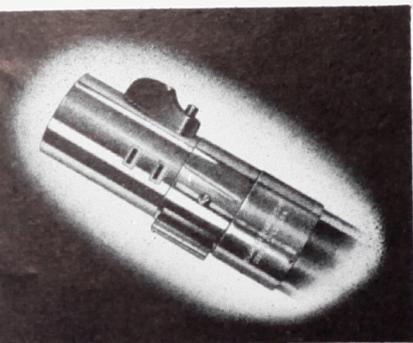
Installation extra

Where cameras require special mounting brackets,  
there is additional cost.



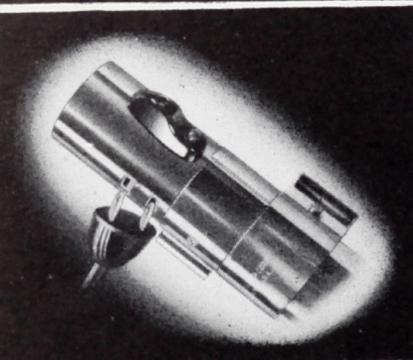
# Heiland Features

Heiland Flash Synchronizers are designed and built by makers of precision scientific and industrial instruments. Engineering and production standards are extremely high. These synchronizers embody advanced features that lead to better photography.



## HAIR-TRIGGER SWITCH

Snap-action trigger effect gives natural, easy operation. No chance for human element or mechanical lag to cause variation in timing. Can be adjusted for thumb or forefinger operation.



## STANDARD SIZE OUTLETS

All 3 electrical outlets on the battery case are standard size. This feature simplifies remote control and multi-flash photography, permitting home floor or desk lamps to be equipped with flash bulbs and synchronized with shutter.



## ADJUSTABLE REFLECTORS

The standard 41-5 reflector easily adjusts up or down on the battery case to fit any size bulb. Special-purpose reflectors are designed to fit the battery case.

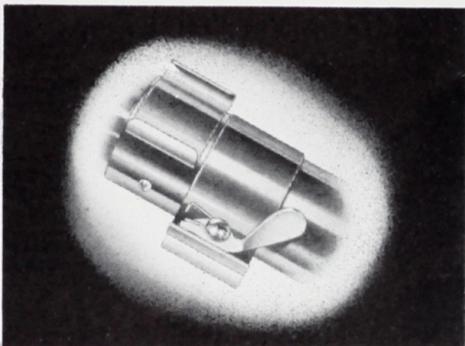


# Heiland Features

Only the finest materials are used in Heiland Synchronizers. Because of the high standards of engineering design, special materials are used where they will be most effective. Thus, a long list of materials is incorporated in the manufacture including brass, chrome, silver, bronze, nickel, aluminum, copper, steel, rubber, and bakelite.

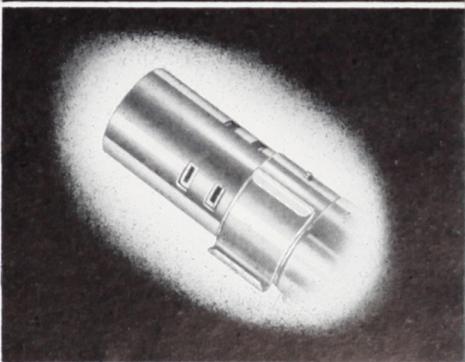
## CLAMP LOCK

Snap-Action Clamp Lock snaps securely into camera bracket, yet allows instant removal. Can be mounted on either side of camera. Supports full weight of camera.



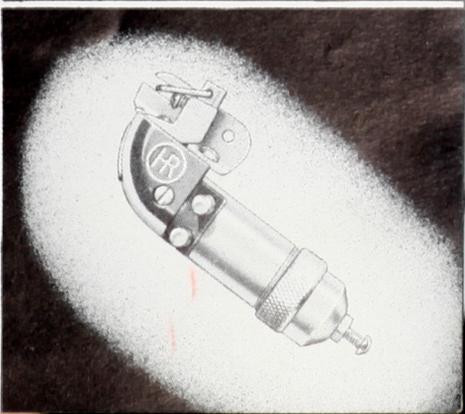
## REMOTE CONTROL

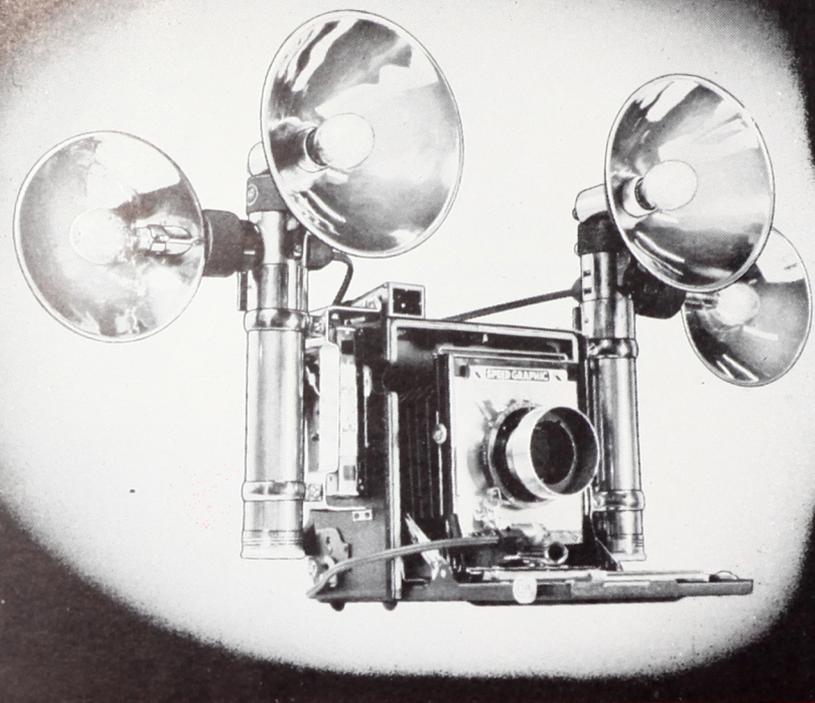
The electrical outlet at the back of the battery case is for remote control operation or for focal plane shutter synchronization. By the use of this feature it is possible for the photographer to be many feet away from the camera when the picture is made.



## ACCURATE TIMING

The precision-made Electro-Matic Coil provides accurate high-speed synchronization. Micrometer adjustments permit full use of the peak light output of the flash bulb. Careful design and rugged construction give the unit a high degree of dependability.





# Heiland Twin Gun

## SYNCHRONIZER

(Shown with De Luxe Mounting Brackets)

The ultimate for multi-flash press photography! So efficient that perfect Kodachrome transparencies can be made at a 400th of a second at F6.3 with the subject 20 feet from the camera. Fast-action pictures of prize fights, rodeos, football games, and other difficult press assignments are possible at long distances with this completely portable equipment. Switch on either gun will fire entire set-up.

Complete with two battery cases, two 45-A Flex-Focus Reflectors, two 45 Speed-Beam Reflectors with side plug-in sockets, one Electro-Matic Coil, one polarized twin-gun cable, one synchronizer cord. . . . . \$52.25

With De Luxe Mounting Brackets. . . . . \$63.25

Installation and metal lens board extra



# Heiland Model "SR"

## SYNCHRONIZER

Several special synchronizer models are produced that are designed especially for certain makes of cameras. The Special Press Rolleiflex Model, called the SR, is an example of this. It fits the Rolleiflex, Rolleicord, and Ikoflex III. The regular Model S Electro-Matic Coil is adapted to the Rolleiflex shutter so that it has all of the advantages of permanent mounting, yet is instantly removable. A special bracket is designed for the battery case.

Complete with battery case, special camera bracket, 41-5 reflector, cord, and special Electro-Matic Coil . . . . . **\$32.75**

Complete with battery case, special camera bracket, 45-A reflector, cord, and special Electro-Matic Coil . . . . . **\$36.00**

Installation extra

Another special, the Model KB Synchronizer, for Zeiss Super Ikonta B —

Model KB, complete with battery case, special camera bracket, 41-5 reflector, cord, and special Electro-Matic Coil . . . . . **\$27.50**

Complete with battery case, special camera bracket, 45-A reflector, cord, and special Electro-Matic Coil . . . . . **\$30.75**



# Heiland

## FLEX-FOCUS REFLECTORS

### 45-A for Miniature Bulbs

This highly efficient reflector gives excellent control of light for both single and multi-flash photography. In the back position it gives a wide 60° beam of light which eliminates hot-spots for close work up to 25 feet. In the forward position the beam of light is narrowed to 36° for high speed, long distance shots. Permits fast shutter speeds up to 100 feet. Intermediate positions vary the spread of light between these two limits. There is no need to hook bulbs into the socket, simply push them into automatic centering device. Bulbs eject by pushing thumb button on back. For use with both Synchronizer Models S and K and also the Multi-Socket.

Price **\$5.50**



### 45-B for Standard Bulbs

A highly efficient reflector for standard base bulbs. This reflector brings the same control of light to the standard bulb that the 45-A reflector gives to the miniature bulb. Tremendous light-throwing power for long distances. Ideal for difficult high-speed photography. Bulbs eject by pushing thumb button on back. For use with both Synchronizer Models S and K and also the Multi-Socket.

Type 45-B complete ..... **\$13.50**

Type 45-BR reflector only for  
use with head of 45-A ..... **\$9.50**



# Heiland

## SPEED-BEAM REFLECTORS

### Type 45

A reflector built to take the hard knocks of professional use and occupy a minimum space in the camera case. The Speed-Beam is the answer to a long-felt demand for a compact, simple reflector that gives maximum light control for miniature bulbs. Fast shutter speeds at relatively small apertures are possible up to 100 feet. This reflector is used with excellent results on long focal length lenses or with Multi-Socket for special lighting effects. Price.....

**\$3.25**



# Heiland

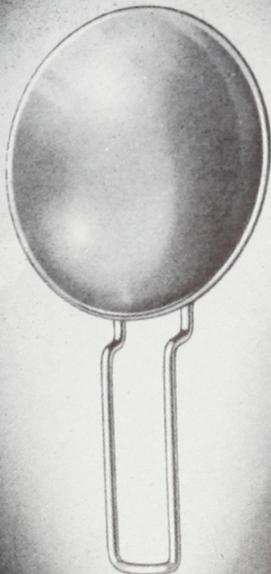
## STANDARD REFLECTORS

### Type 41-5

Efficient, compact, ruggedly made, this standard reflector will give years of satisfactory service for all-around use with standard bulbs. Excellent bright chrome finish on 5" reflector.

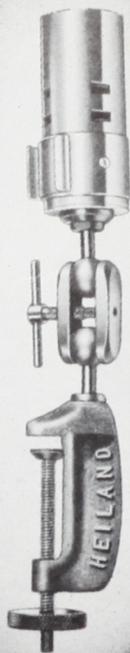
**\$2.20**

Price.....



HEILAND

PRECISION



Heiland

**MULTI-SOCKET WITH THE  
FOTOCAMP**

This versatile extension socket is essential to multi-flash photography. Compact, convenient, and beautifully made, it conveniently handles all lighting problems where highlights, shadows, and subject modeling are of importance. All four Heiland reflectors fit the Multi-Socket. Three standard size electrical outlets permit several Multi-Sockets to be connected together. Because of standard size thread in base, the Multi-Socket may be used on a tripod.



The Fotoclamp is one of the most useful tools a photographer can possess. When used with the Multi-Socket it makes possible excellent lighting combinations without bulky stands or tripods. The Fotoclamp will fasten securely to most objects — chairs, tables, ladders, doors, etc. The Fotoclamp is so sturdily built that most cameras up to and including 4x5's can be supported by it. The Fotoclamp thus eliminates the tripod for many press shots under adverse circumstances. The double ball-and-socket construction permits the camera to be turned to any angle.

Multi-Socket 23-0 .....	<b>\$5.00</b>
Fotoclamp .....	<b>\$6.00</b>

Heiland

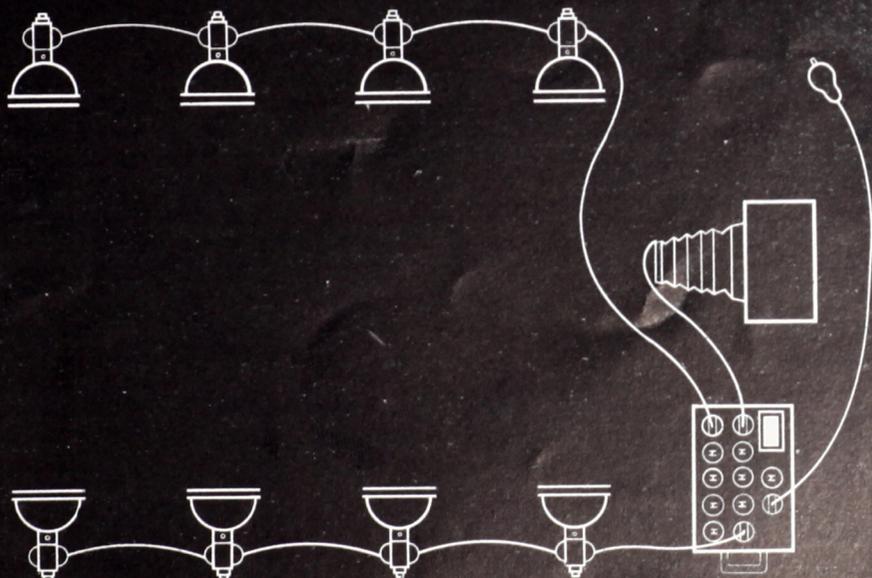
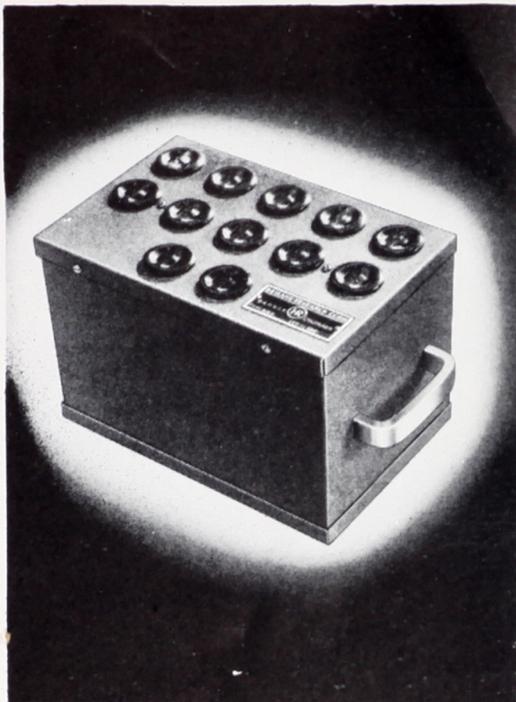
**BOOSTER-BOX**

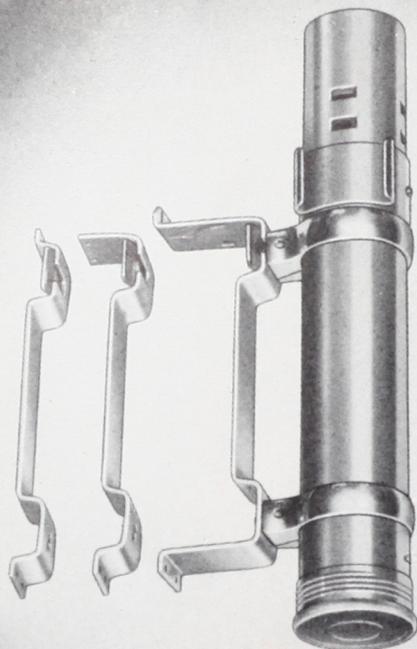
**TYPE B-48**

To the professional or serious amateur, the Booster-Box is the answer to multi-flash photography. The 4½-volt, 80-ampere battery power supply will synchronize 1 to 20 bulbs and 1 to 5 cameras at one time. Ideal for industrial flash photography; constantly used by color studios. The Booster-Box combined with the Multi-Socket and the various Heiland reflectors can handle any lighting problem.

**\$21.50**

Price.....





# Heiland

## DE LUXE MOUNTING BRACKETS

The De Luxe Mounting Bracket is absolutely rigid, permanent, strong, and attractive in appearance. It is ideal for fast press work. Standard equipment with most newspaper and magazine photographers. Synchronizer slips on or off the camera instantly.

- Type 64-R** for right side over range finder ..... **\$5.50**
- Type 64-RE**—same with rubber eye piece ..... **\$6.35**
- Type 64-L** for left side..... **\$5.50**
- Type 64-S**—straight ..... **\$5.50**
- Type 64E-1** — for use with Kalart E-1 range finder ..... **\$5.50**

## ELECTRO-MATIC COILS

- Press Model S**  
Specify make, model, and size of camera..... **\$12.50**
- Press Rollei Model SR** ..... **\$16.50**
- Model K**  
Specify make, model, size of camera, and make of shutter. **\$8.25**
- Model KB** ..... **\$11.50**

## CORDS

- 54-20** Multi-flash 20 ft..... **\$1.65**
- 55-20** Multi-flash heavy duty 20 ft. .... **\$2.20**
- 52-1** Tripper cord 15 in. .... **\$1.10**
- 52-3** Tripper cord 36 in. .... **\$1.10**
- 52-12** Tripper cord 12 ft. .... **\$1.65**
- 54-1** Twin-Gun polarized cable ..... **\$ .85**
- 56** Focal plane adapter plug ..... **\$ .85**
- 53-10** Remote control cord 10 ft. .... **\$2.75**
- 57** Synchro-shutter cord. .... **\$1.65**
- 64** Metal Lens Boards. .... **\$3.25**

## EXTENSION TUBES

- E23-1** one cell ..... **\$2.20**
- E23-2** two cell ..... **\$2.20**

# A PARTIAL LIST OF CAMERAS

FITTED WITH

# Heiland Synchronizers

B & J Press	Super Sport Dolly
Color Cameras	Voigtländer
Deardorf	Watson
Dollina	Welta
Kodak Medalist	Weltax
Kodak Recomar	Zeca 9x12 cm.
Kodak Retina II	Zeiss
Kodak 35	All Cameras
Leica	with cocking
Linhof	shutters such as
Rolleicord	Kodamatic,
Rolleiflex	Supermatic,
Speed Graphics	Compur, and
	Compound

All prices subject to 15% Federal Excise Tax.

All prices subject to change without notice.



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