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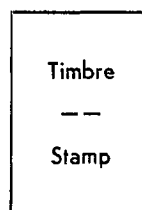
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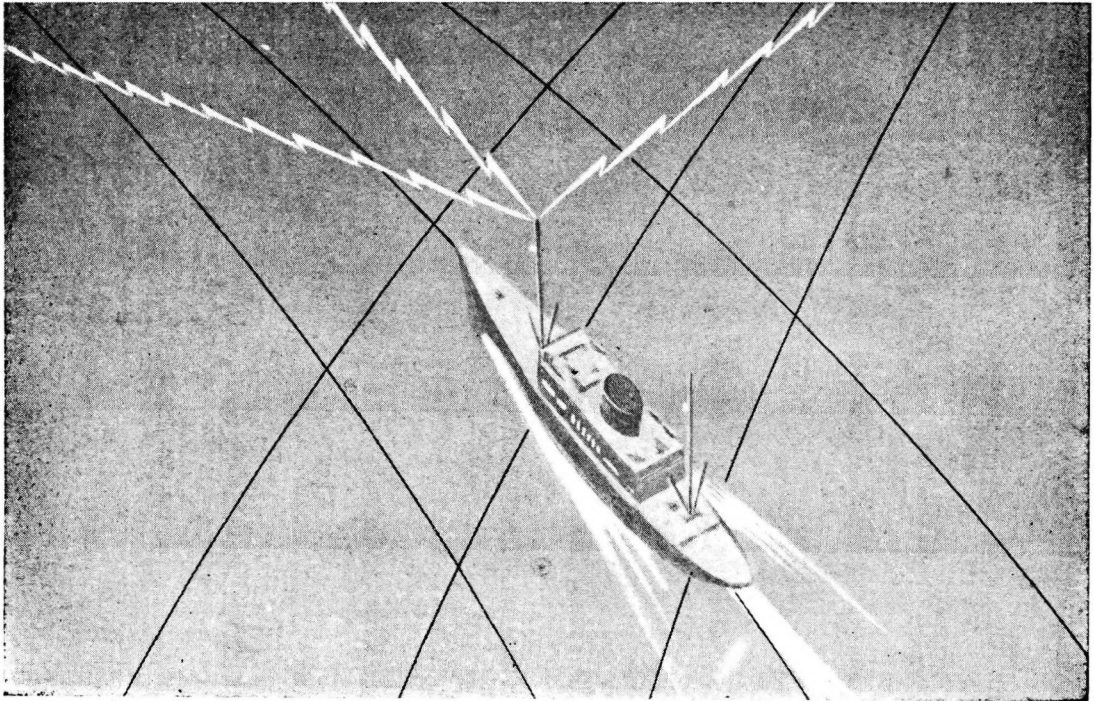
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CHAPTER II. — Radio Systems Used in Maritime Navigation.

- 1) Radio Direction-Finding - 2) Loran - 3) Decca - 4) Consol.

CHAPTER III. — Radio Systems Used in Hydrographic Surveying.

- 1) Decca in Hydrographic Surveying - 2) Shoran - 3) Electronic Position Indicator (EPI) - 4) Shoran and EPI in Offshore Hydrographic Surveying - 5) Raydist - 6) Lorac - 7) Rana - 8) Computation and Plotting of Hyperbolic Lattices on Survey Plotting Sheets.

CHAPTER IV. — Radar Technique.

- 1) Radar Technique in Navigation - 2) Use of Marine Radar in Surveying.

CHAPTER V. — Radio Systems in Geodetic Surveying.

- 1) Outline of Present Situation - 2) Operational Reports.

CHAPTER VI. — Reports on Use of Radio Systems in Hydrography.

- 1) Decca - 2) Shoran - 3) EPI - 4) Raydist - 5) Lorac - 6) Rana.

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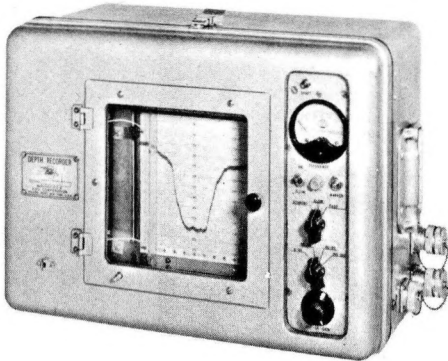
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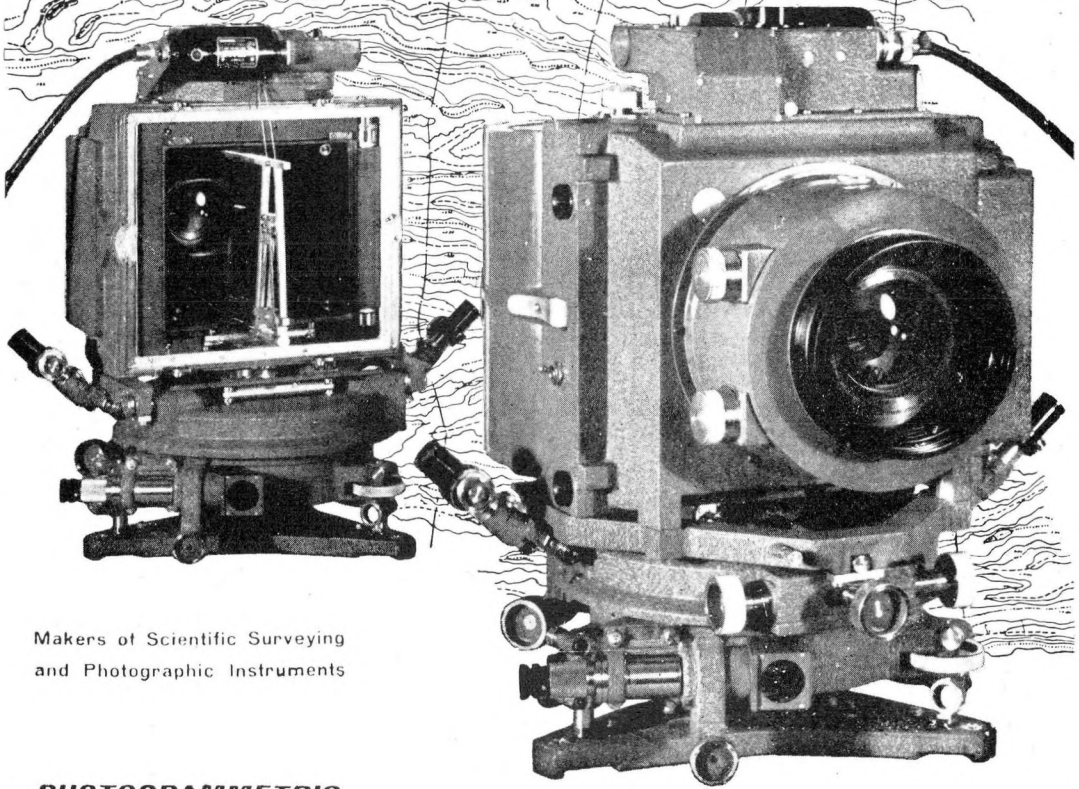
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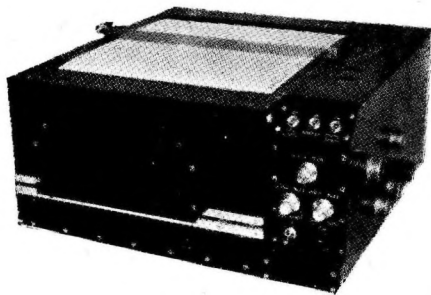
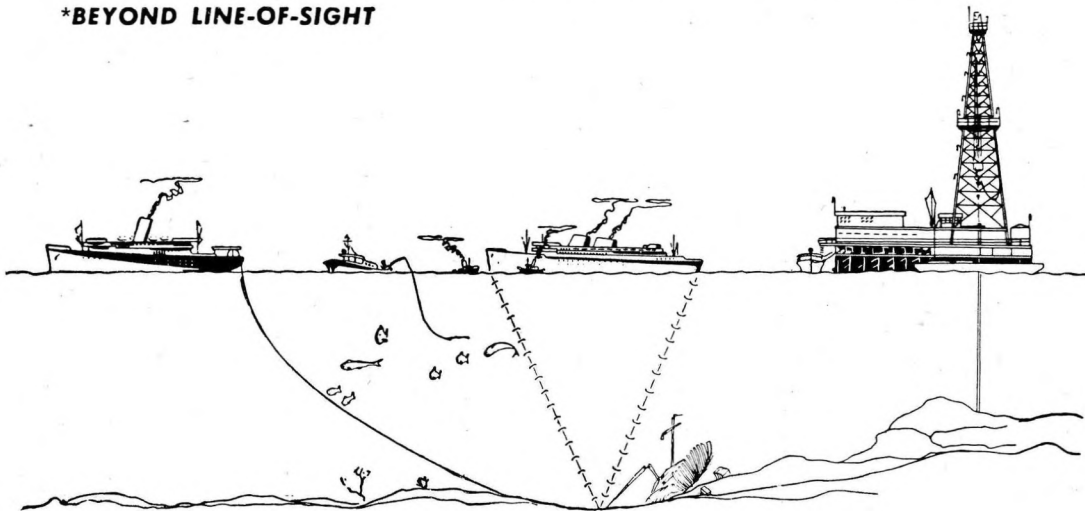
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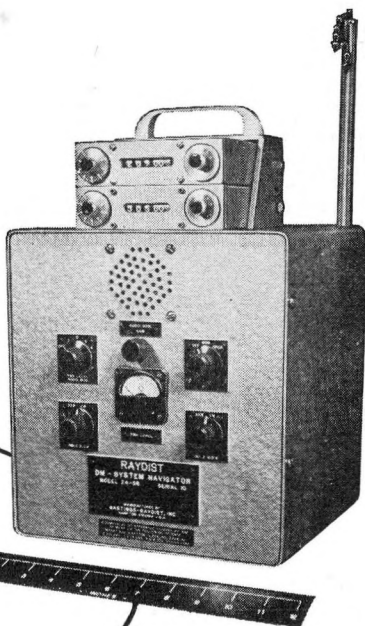
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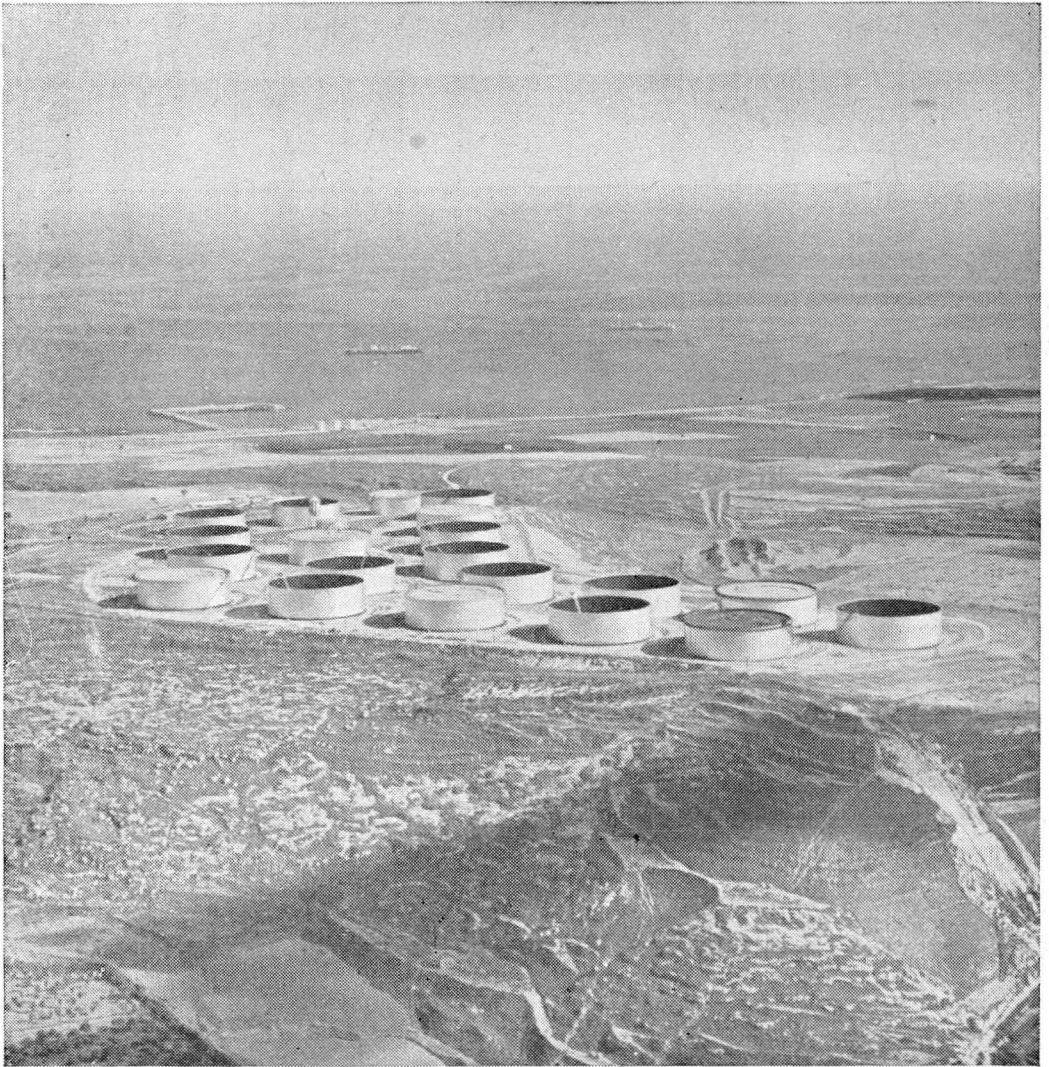
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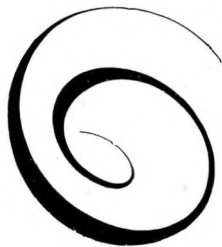
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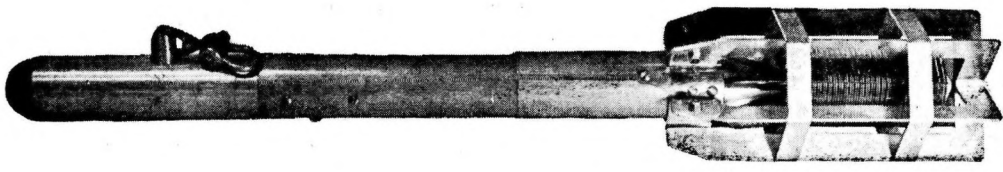
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0 to 200 ft. 2 ft.	0 to 450 ft. 4.5 ft.	0 to 900 ft. 9 ft.
+ 30° to + 90° F. ± 0.1° F.	+ 30° to + 90° F. ± 0.1° F.	+ 30° to + 90° F. ± 0.1° F.
Maximum allowable depth 225 ft.	562.5 ft.	1125 ft.
Length 31"	31"	31"
Diameter: Nose 2 1/8"	2 1/8"	2 1/8"
Tail 5"	5"	5"
Weight (pounds) 21 3/4 lb.	21 3/4 lb.	22 lb.
Shipping weight (pounds) 75 lb.	75 lb.	75 lb.

Depth range *
 Accuracy
 Temperature range *
 Accuracy
 Maximum allowable depth
 Length
 Diameter: Nose
 Tail
 Weight (pounds)
 Shipping weight (pounds)

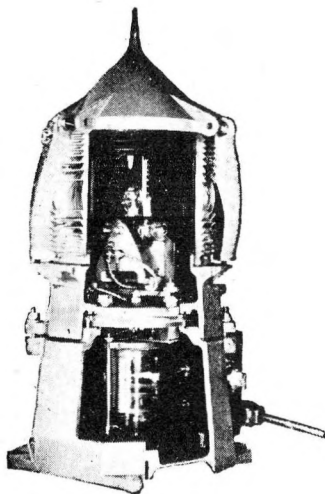
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200 smoked glass slides. — Two individually calibrated grids and holders. — Two grid viewers. — Two pts. slide lacquer.
 — One pt. lacquer thinner. — One slide forceps. — One thermometer. — One nose casting.
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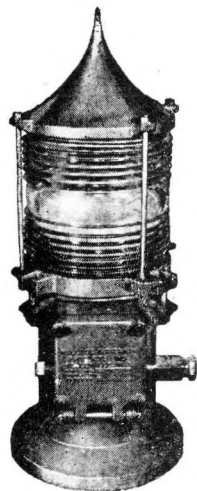


Wallace and Tiernan 200 mm. Lantern cut away to show lamp changer and flasher mechanism

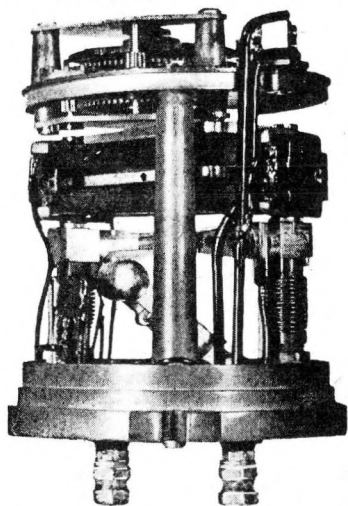
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- Efficient candlepower output high visibility with low power consumption.
- Low initial cost.
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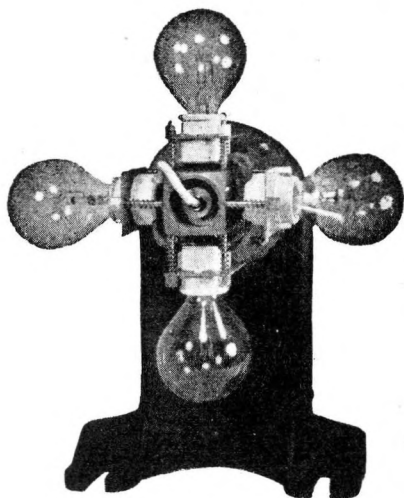


Wallace and Tiernan Flasher mechanism

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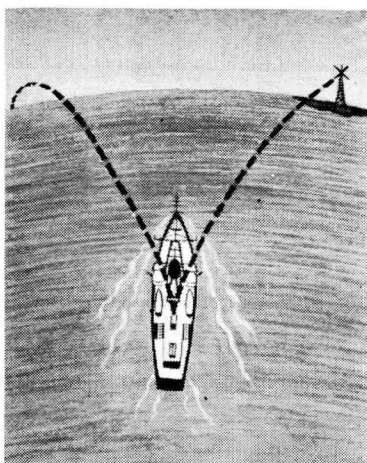
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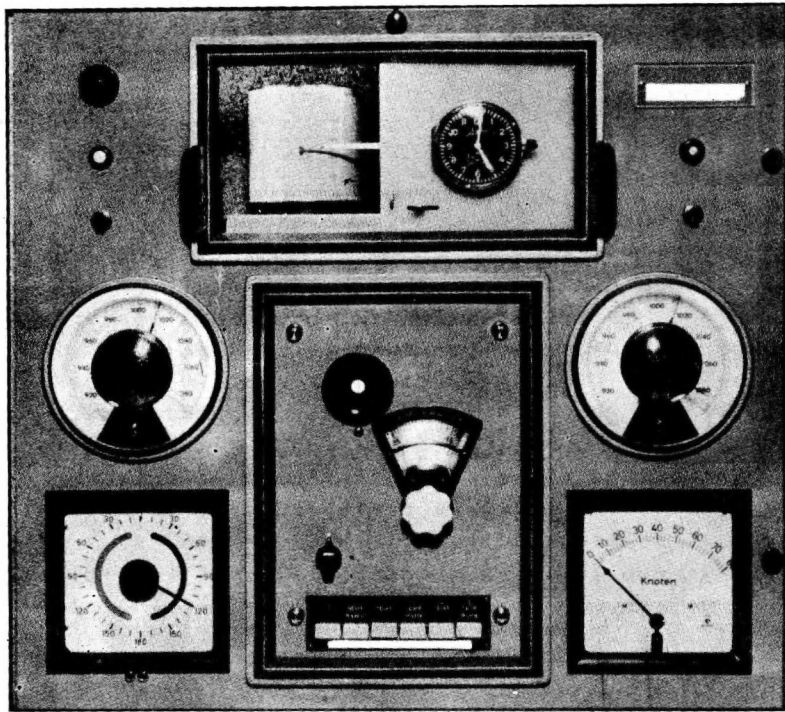
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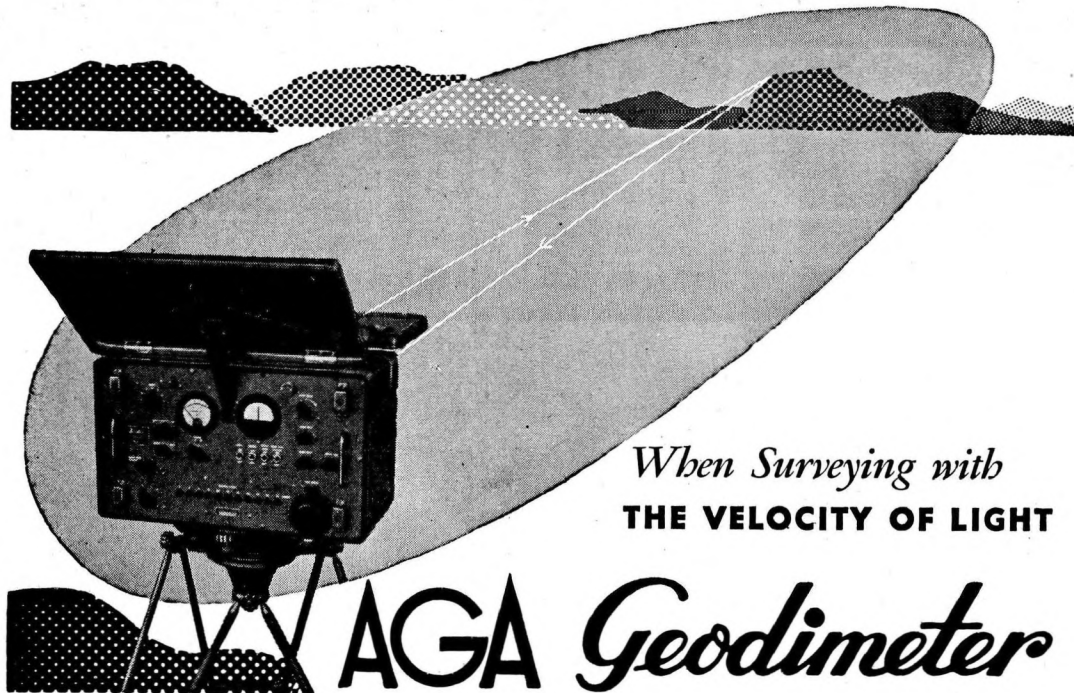
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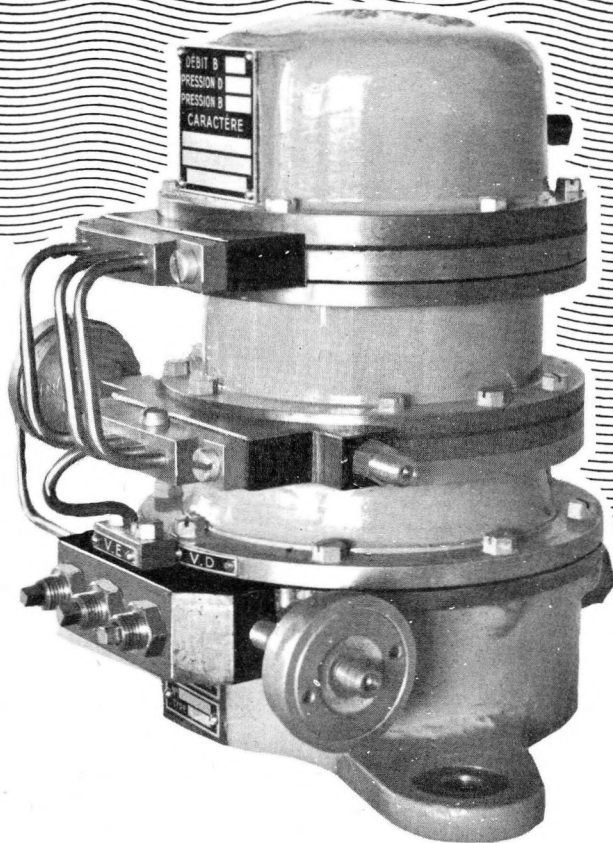
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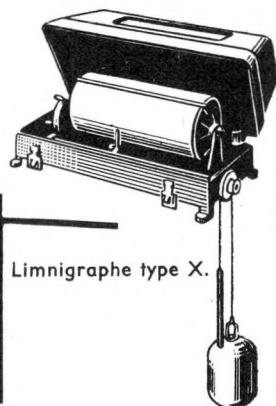
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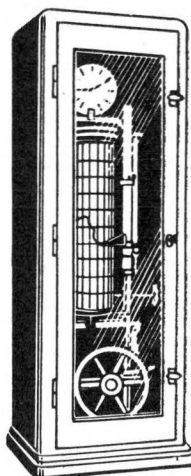
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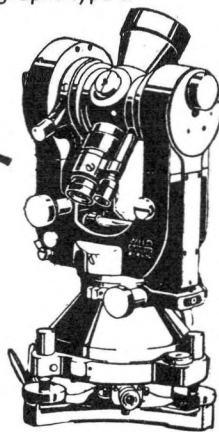
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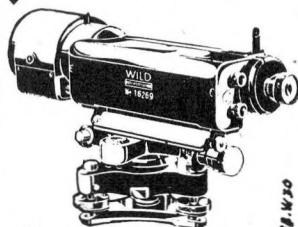
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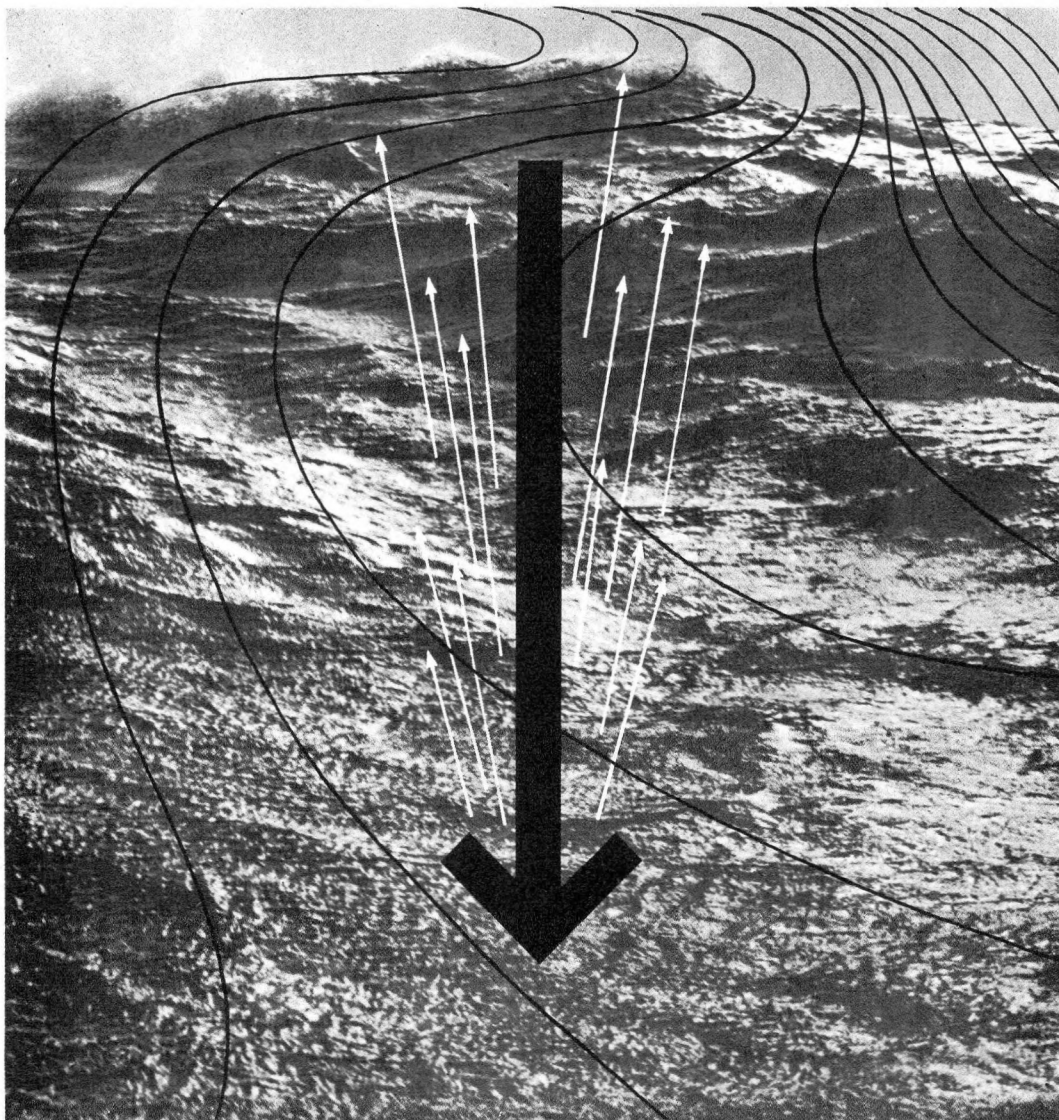
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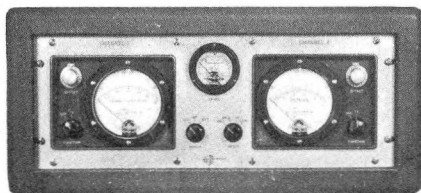
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**THE
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FOREWORD

The International Hydrographic Bureau was founded in 1921 with the objective of maritime security to be achieved through the standardization of the nautical chart and related publications, the improvement of hydrographic survey practices, and in general the establishment of a close and permanent association among all hydrographic services.

The International Hydrographic Review is published in January and July of each year in both English and French editions. The Bureau welcomes articles on hydrographic, topographic and photogrammetric surveying, radio aids, navigation and allied subjects, new instruments and equipment, new hydrographic ships and boats as well as articles on the history and organization of hydrographic offices.

An honorarium of 15 gold francs (about 5 U.S. dollars) per printed page of 600 words will be paid for all original articles accepted, including tables and diagrams but excluding photographs. In addition the Bureau will, upon request, supply each author free of charge with a total of 50 reprints of his article in one of the two official languages of the Bureau (or with 25 in English and 25 in French).

Articles should be in English or French, typewritten, double spaced, and if possible in duplicate, and should reach the Bureau not later than 1 February and 1 August for the July and January numbers respectively. However, in order to achieve a well-balanced distribution of subject matter in the various issues of the Review the Directing Committee reserves the right to print articles in an appropriate issue.

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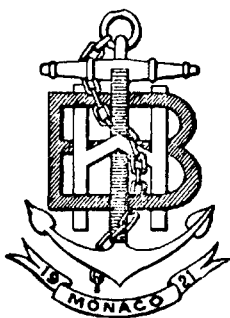
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