

# THE INTERNATIONAL HYDROGRAPHIC REVIEW

Vol. XXXII

N° 1



(N° 57 OF THE SERIES)

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**Quai des Etats-Unis - Monte-Carlo**

**MONACO**

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**MAY 1955**

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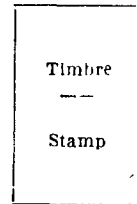
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# ERRATA

## International Hydrographic Review

Volume XXXI, N° 1, May 1954

### THE ANALYSIS OF TIDAL OBSERVATIONS FOR 29 DAYS

The following corrections to his article «The Analysis of Tidal Observations for 29 days» which appeared in the *International Hydrographic Review*, Vol. XXXI, No. 1, May 1954, have been received from Dr Doodson :

#### Page 70 - Table III

	C <sub>po</sub>	D <sub>po</sub>
Amend X <sub>po</sub> , Y <sub>po</sub>	1, 0 ...	0, 1
to read X <sub>po</sub> , Y <sub>po</sub>	1, 1 ...	-1, 1
Amend Interpretation:	C <sub>po</sub> - X <sub>po</sub>	
to read Interpretation:	C <sub>po</sub> = X <sub>po</sub> + Y <sub>po</sub>	

#### Page 71 - Table IV

	under Combinations for 10 <sup>6</sup> R sin r	
	M <sub>m</sub>	M <sub>sf</sub>
Amend X <sub>oa</sub>	1175	- 145
ob	5	1127
to read X <sub>oa</sub>	-1175	+ 145
ob	- 5	-1127

#### Page 72 - Table V

	under N <sub>2</sub> , MN <sub>4</sub> , 2MN <sub>6</sub>
Amend w for angle = 190°	given as -0.2
to read	-2.2
	under same heading
Amend: Angle is (3V for M <sub>2</sub> )	minus (3V for N <sub>2</sub> )
to read: Angle is (3V for M <sub>2</sub> )	minus (2V for N <sub>2</sub> )

#### Page 80 - Table 4

Amend R sin r for M <sub>m</sub> and M <sub>sf</sub>	- -0.158
	-0.027 respectively
to read	+ 0.158
	+ 0.027

#### Page 81 - Table 5

Left hand column :	insert Δ between u and w in each of the three sections.
	Under M <sub>m</sub> and M <sub>sf</sub>
Amend r =	268°.7 and 333°.0 respectively
to read r =	91°.5 and 27°.0
Similarly amend g =	169°.6 and 326°.1 respectively
to read g =	352°.4 and 20°.1

# ERRATA

International Hydrographic Review

Volume XXXI, N° 2, November 1954

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## USE OF RAYDIST SYSTEM IN PORTUGUESE GUINEA SURVEY

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Page 16 - line 11, should read :

...from A and B as  $\theta_A$  and  $\theta_B$ , we know... etc.

Page 16 - line 7 from bottom, should read :

$$\theta_{BZ} = \theta_B - \frac{2\pi (f + \Delta f)}{c}(r_4) - \varphi(r_4)$$

Page 17 - third line, should read :

$$\alpha_Y = \theta_B - \theta_A - \frac{2\pi (f + \Delta f)}{c}(r_4) + \dots \text{ etc.}$$

Page 17 - line 7, should read :

$$\psi = \alpha_Y - \alpha_X = \theta_B - \theta_A - \frac{2\pi (f + \Delta f)}{c}(r_4) + \frac{2\pi f}{c}(r_3) + \varphi(r_3) - \varphi(r_4) \dots \text{ etc.}$$

Page 17 - line 9 from bottom, should read ;

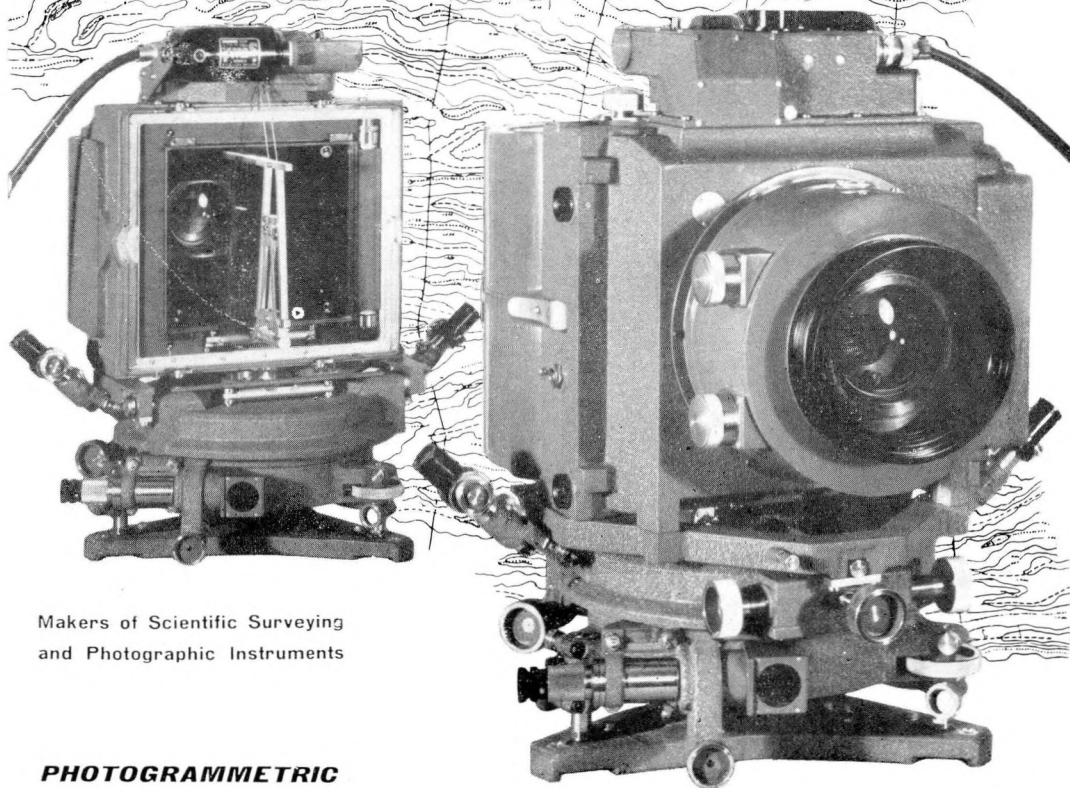
...while  $r_1$ ,  $r_2$  and  $r_5$  are variable ;

---





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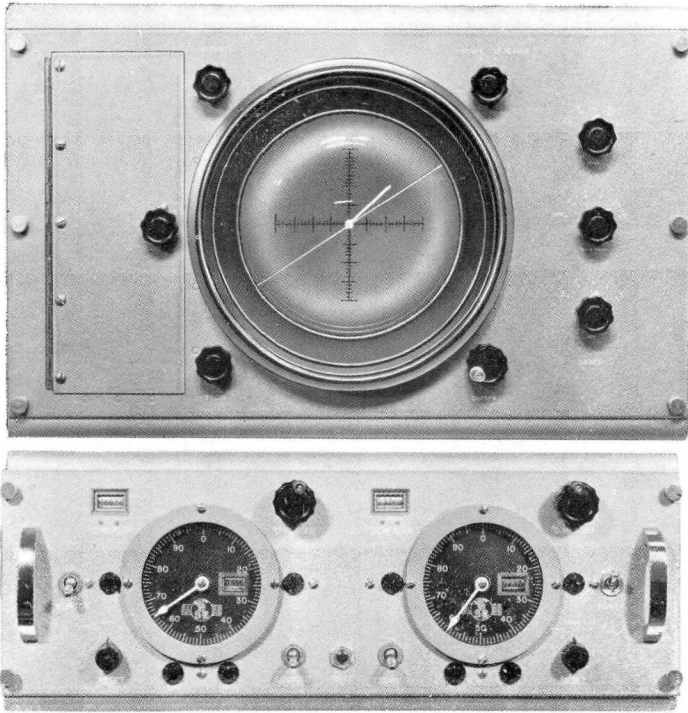
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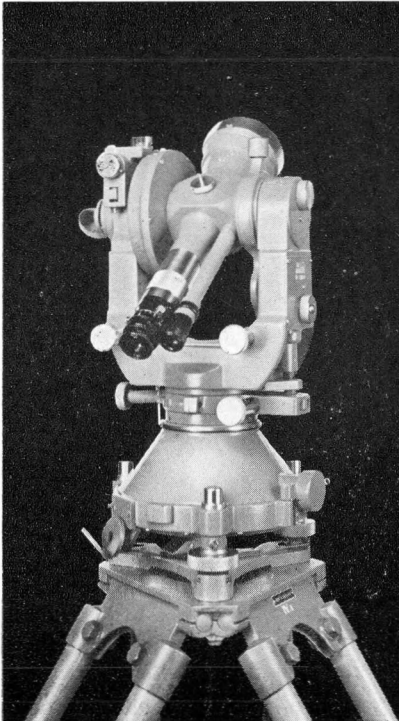
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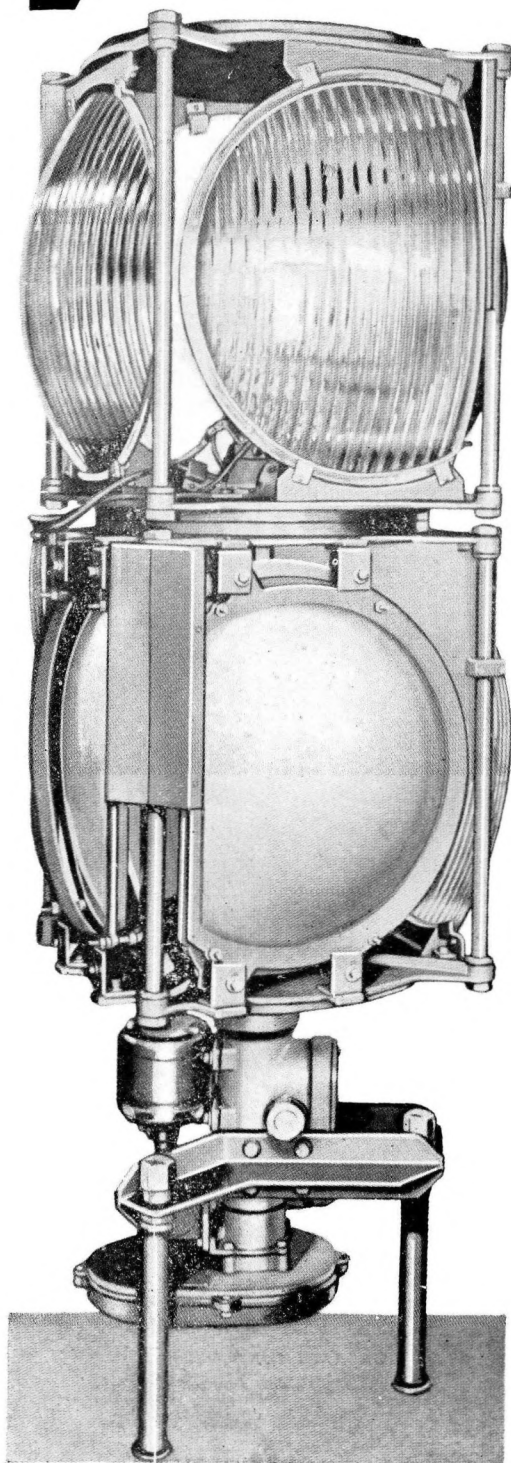
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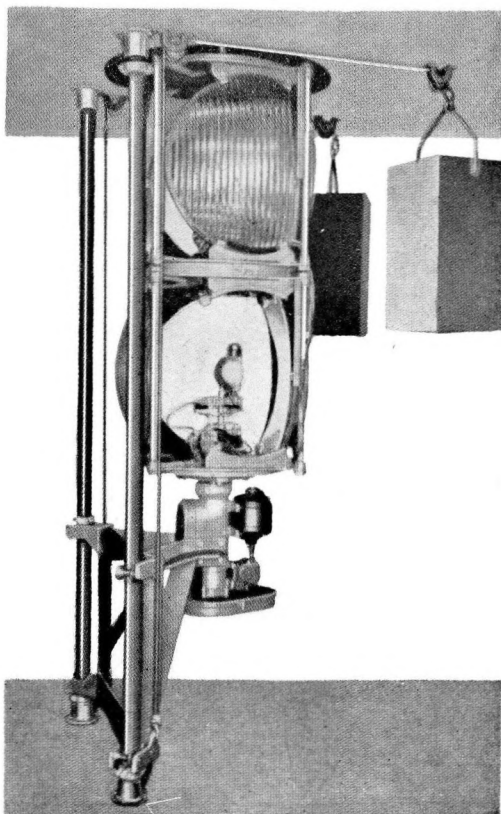
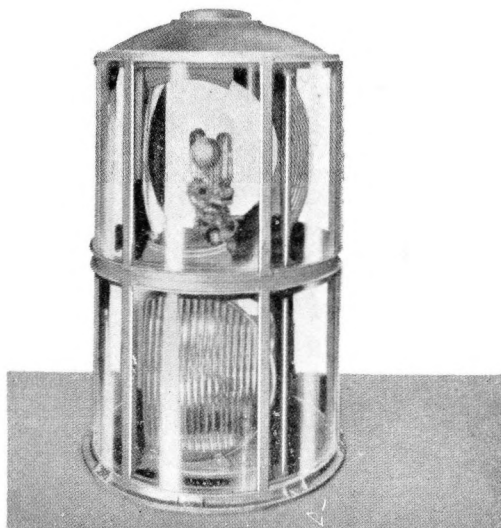
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Crouse-Hinds Type LHB Lowering Mount Lighthouse Beacon. Upper photo shows the beacon raised into the outside lantern. Lower photo shows the beacon lowered into the room below for servicing.



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Foraminifera and deep-sea research.

CLAUDE E. ZOBELL. — *Scripps Institution of Oceanography.*

Some effects of high hydrostatic pressure on apparatus observed on the Danish Galathea Deep-Sea expedition.

K. F. BOWDEN. — *National Institute of Oceanography, Wormley.*

The direct measurements of subsurface currents in the oceans.

ROBERT B. FISHER. — *Scripps Institution of Oceanography.*

On sounding of trenches.

DAYTON E. CARRITT. — *Chesapeake Bay Institute.*

Atmospheric pressure changes and gas solubility.

RPB. MONTGOMERY AND WARREN S. WOOSTER. — *Brown University.*

Thermostatic anomaly and the analysis of serial oceanographic data.

PAUL FERRIS SMITH. — *Woods Hole Oceanographic Institution.*

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

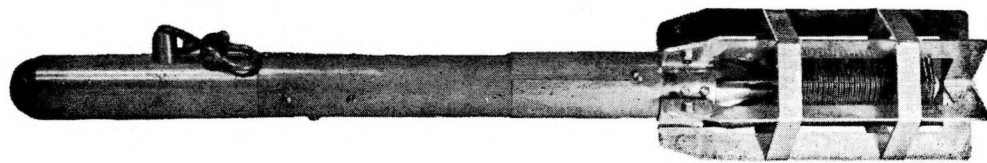
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\* Temperature and depth may be calibrated in °C and meters, if desired.

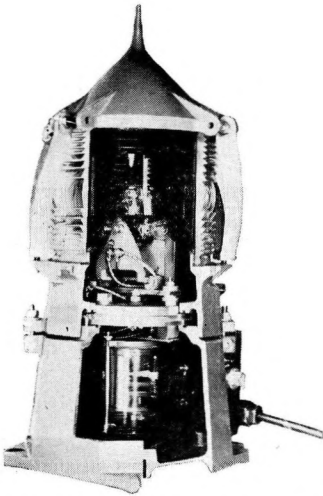
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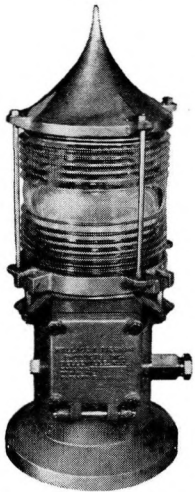


Wallace and Tiernan  
Thermarine Recorder

# ELECTRICITY POWERS THE MODERN AID TO NAVIGATION For Lighthouse or Buoy



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



Wallace and Tiernan 150 mm. Lantern

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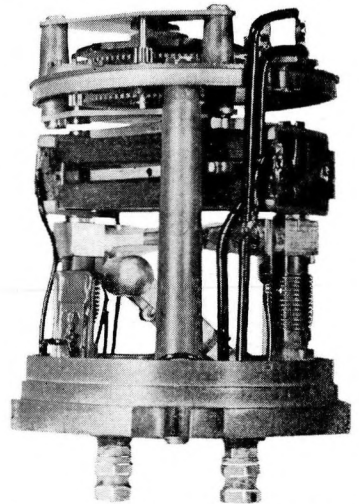
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| <ul style="list-style-type: none"> <li>. Lighthouse beacons and Lanterns from 90 mm. to 500 mm.</li> <li>. Buoys and Structures.</li> <li>. Flasher mechanisms.</li> </ul> | <ul style="list-style-type: none"> <li>. Automatic lamp changers.</li> <li>. Range light lanterns.</li> <li>. Fog signals.</li> <li>. Batteries of all types.</li> </ul> |
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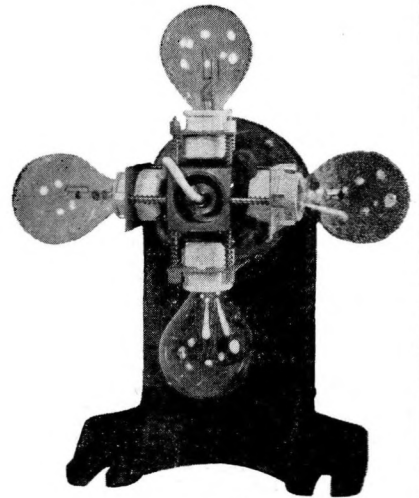
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Wallace and Tiernan Flasher mechanism



Wallace and Tiernan Lamp changer, for electrifying large optics

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**THE  
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The International Hydrographic Review is dependent for its value and interest on original contributions from its readers, as well as on the re-publication, in English and French, of appropriate articles which have already appeared in other publications.

Articles on any branch of hydrographic surveying, navigation and allied subjects, such as radio and other aids to navigation, new instruments, hints to hydrographic surveyors, etc., as well as articles dealing with the history and organization of hydrographic offices with descriptions of surveying ships and boats and their equipment, are of great interest to all Hydrographic Offices.

The Directing Committee of the International Hydrographic Bureau will carefully consider all articles received for publication. Free reprints in English and/or French of original articles will be supplied to their authors on request made when sending manuscript.

Articles should be typewritten if possible in duplicate and addressed to

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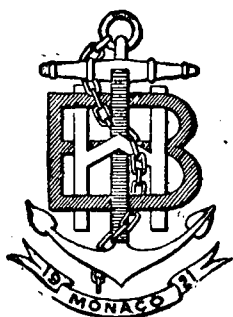
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# THE INTERNATIONAL HYDROGRAPHIC REVIEW

Vol. XXXII

N° 1



(N° 57 OF THE SERIES)

PUBLISHED BY

THE

**INTERNATIONAL HYDROGRAPHIC BUREAU**

**Quai des Etats-Unis - Monte-Carlo**

**MONACO**

PRINCIPALITY



**MAY 1955**

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# TABLE OF CONTENTS

---

	Pages
Errata	
Foreword .....	2
Obituary Notice : Don Venceslas Benitez INGLOTT (1879-1954) .....	7
A. DAY : Hydrographic Surveying : The Purpose and the Choice of Scale	9
Recent Progress and technical Developments concerning Cartography carried out in the U.S.A. ....	25
G. MEDINA : The Road Maps of the Seas .....	39
A.H. KERRICK : Precise Astronomic Positions from projected Star Positions analytically processed .....	45
H.E. FINNEGAN : Proposed new Format for tabulating Predictions of Tidal High and Low Waters and Tidal Current Phases .....	55
M. DUPUY : New Methods for computing Homofocal Hyperbolic Grids (French Decca Chain) on Charts in Conformal Projection .....	59
H.P. : Control of « Decca » Pattern of French Chain.....	71
Decca Navigator in Hydrographic Surveying (British Admiralty) .....	89
G.A. ROUSSEL : Electronic Surveying in Offshore Areas .....	97
A.L. SHALOWITZ : Boundary Problems associated with the Continental Shelf	111
W. HEISKANEN : Intercontinental Connection of Geodetic Systems .....	141
S. CHAPMAN : Scientific program for international Geophysical Year 1957-58..	157
A.P. CRARY : Bathymetric Chart of the Arctic Ocean along the route of T-3, April 1952 to October 1953 .....	165
G.P.D. HALL : Survey of a newly discovered Feature (Genista Bank) off the Arabian Coast .....	175
I.H.B. Circular-Letter No. 4-H of 1955 : General Bathymetric Chart of the Oceans .....	179
E.M. KAMPA & B.P. BODEN : Submarine Illumination and thhe Twilight Movements of a sonic scattering Layer .....	183
I.J.N. CARRUTHERS : On the Instrumental Measurement of Line Shape under Water .....	185
E.G.R. TAYLOR : The Mathematical Practitioners of Tudor and Stuart England	203



Thermal Expansion of Invar Surveying Tapes.....	207
The Admiralty Gyro-magnetic Compass - Type 5 .....	209
Echo Sounding Apparatus : New Marconi « Graphette » Dry-paper recording Echometer .....	211
SMITH & Mac INTYRE : A Spring-loaded Bottom Sampler .....	213
G. LETERRIER : Current Recorder .....	221
International Hydrographic Bibliography .....	225

