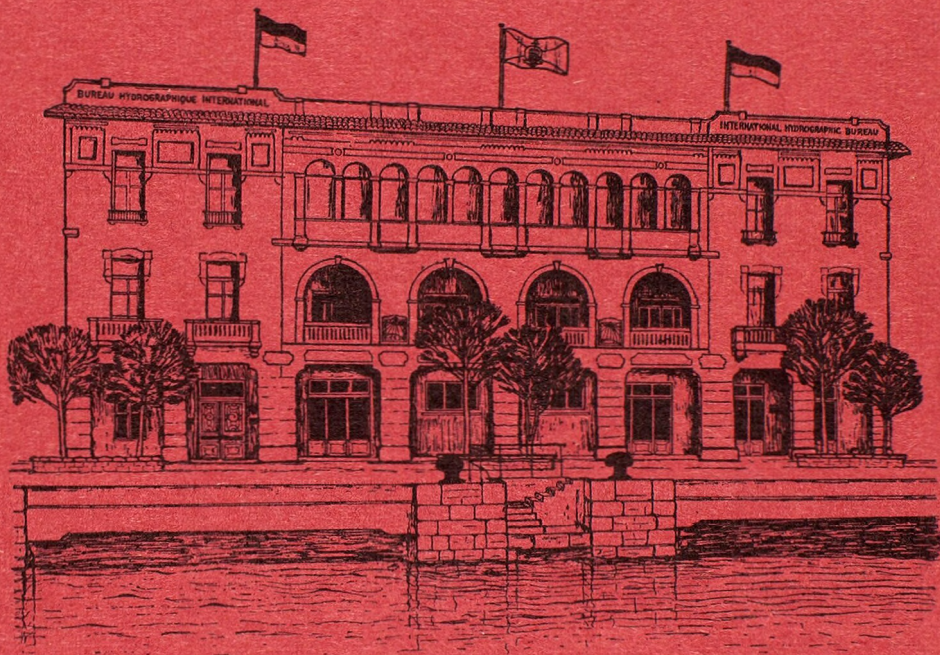


THE
INTERNATIONAL
HYDROGRAPHIC
REVIEW



**INTERNATIONAL HYDROGRAPHIC BUREAU
MONACO**

Vol. LV No 2

N. 103 OF THE SERIES

JULY 1978

TABLE OF CONTENTS

— The widening horizons of hydrography (G.S. RITCHIE)	7
— Some basic principles in the compilation of nautical charts	11
(D. RUSSOM & H.R.W. HALLIWELL).	
— Satellite imagery and its application to offshore mapping in Australia (L.G. TURNER & H.L. MITCHELL)	21
— Oceanic tides (D.E. CARTWRIGHT)	35
— The rapid digitisation of tide chart records	85
(W.R. BLAIN & N.B. WEBBER).	
— The ten percent method of predicting tide levels between high and low water (R. EKBLOM)	93
— Third order hydrostatic levelling	99
(J.R. MELLOR, I.J. ROYAN & R.J. PRIEST).	
— Bernoulli effects on pressure-activated water level gauges	111
(L.R. MUIR).	
— Satellites scan the seas (T.D. ALLAN)	121
— Fifty years ago	135