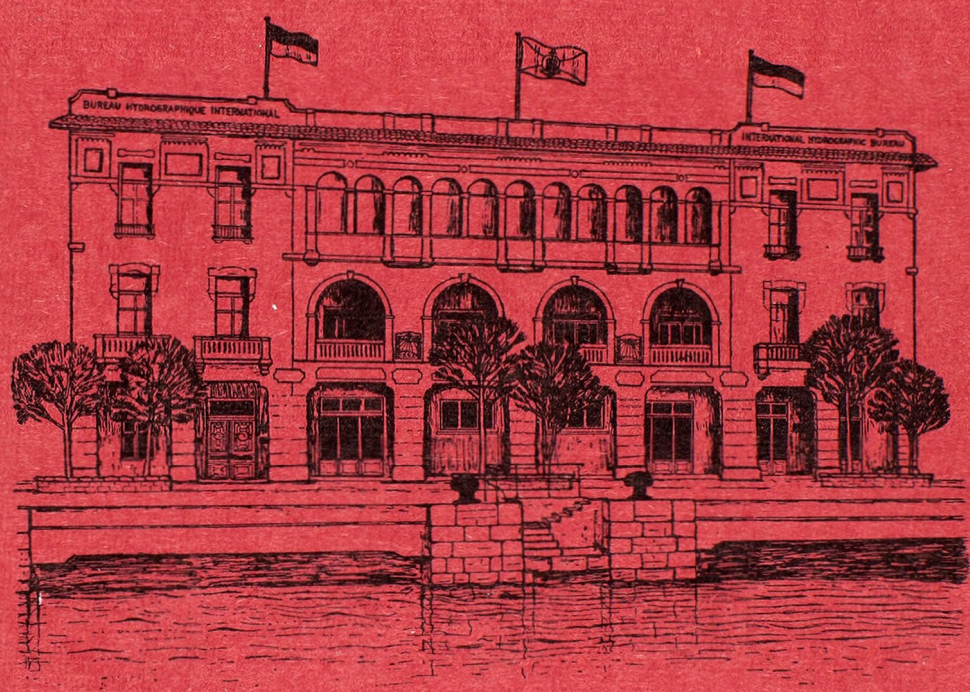


Harriet Irving Library
MAY 3 1978
University of New Brunswick

THE INTERNATIONAL HYDROGRAPHIC REVIEW



**INTERNATIONAL HYDROGRAPHIC BUREAU
MONACO**

Vol. LV No 1

JANUARY 1978

N. 102 OF THE SERIES

594161

TABLE OF CONTENTS

— The new Greek survey ship <i>Naftilos</i>	Frontispiece
— The new Nigerian survey ship <i>Lana</i>	Frontispiece
— The creation of hydrographic services in developing countries	9
(D. C. KAPOOR).	
— Establishment of the Singapore Hydrographic Department	15
(N. N. SATHAYE).	
— Dual channel sidescan sonar - its uses and operation in hydrographic surveying (I. C. RUSSELL)	27
— The impact of automation on hydrographic organizations (M. CALDER)	101
— Developments in digitising and voice recognition to meet the requirements of hydrography and cartography (J. TOLSON)	109
— Sound velocity corrections for the North Sea surveyor (R. T. BAILEY)	123
— The background to IALA Buoyage System "A" (J. E. BURY)	135
— The history of the Great Lakes charting advisers	145
(W. J. MONTEITH, A. J. KERR & A. PITTMAN).	
— Fifty years ago	159