Published and printed by the
INTERNATIONAL HYDROGRAPHIC BUREAU
MONACO
July 1991





TABLE OF CONTENTS

- Obituary - Ingénieur général hydrographe Guy CHATEL (1906-1990)	
— The Controversial Origins of Medieval Nautical Cartography (P. PRESCIUTTINI)	7
— Hydrographic Training and Technical Assistance to Developing Countries — Norwegian Assistance to Mozambique (T. SAETHER)	25
— The Fiji Hydrographic Service 1970-1990 — A working example of the challenges that face small maritime States in developing a viable national hydrographic capability (I.M. BARTHOLOMEW)	33
- Establishment of the Hydrographic Department - The Singapore Experience (P. OEI)	47
— Developing Hydrographic Services and the work of the UK Hydrographic Office (P. WAINWRIGHT)	5.
— Strengthening of the national Hydrographic Office of Sri Lanka — A German technical co-operation development project (U. BIELKE)	6
- Hydrography at Hamburg Polytechnic (P. ANDREE)	7
— Training Courses in Port and Coastal Hydrography (JY. LE VEN, M. CHAUMET-LAGRANGE and C. FOURCASSIES)	8:
- Hydrography in Bahrain (G.J. MAY)	9:
- A Necessary Constraint on the Use of Extended Harmonic Analysis for Tide Predictions (B. D. ZETLER)	10
- Assessing the Precision of Depth Data (M. JOSEPH)	113
— The origins of the station pointer (S. FISHER)	119
- Model for Determination of Cartographic and Hydrographic Priorities (M. GRENIER and P. HALLY)	12
Fifty Years Ago	14