

# CONTENTS

CHAPTER	ABBREVIATIONS	PAGE
		9
PART I		
TERRESTRIAL NAVIGATION		
I.	NAVIGATIONAL GEOGRAPHY	13
II.	MAPS	27
III.	CHARTS	42
IV.	TIDES	61
V.	MAGNETISM AND THE COMPASS	85
VI.	THE TRIANGLE OF VELOCITIES	124
VII.	DEAD RECKONING	148
VIII.	TERRESTRIAL POSITION LINES	174
IX.	TACTICAL NAVIGATION	196
PART II		
ASTRONOMICAL NAVIGATION		
X.	THE SOLAR SYSTEM	219
XI.	THE CELESTIAL SPHERE	237
XII.	ASTRONOMICAL CO-ORDINATES	250
XIII.	THE ASTRONOMICAL TRIANGLE	268
XIV.	TIME	281
XV.	ASTRONOMICAL POSITION LINES	309
PART III		
XVI.	RADIO NAVIGATION	347
	MISCELLANEOUS EXERCISES	370
	TABLES	381
	Extracts from the "Nautical Almanac"	
	Star Elements	
	Extracts from the "Air Almanac"	
	Extracts from the Admiralty Tide Tables	
	APPENDIX:	395
	The Haversine Formula	
	Deviation Card 2	
	Form 316c	
	EXAMPLE CHART, PRACTICE CHART, AND	
	DECCA LATTICE CHART <i>In envelope at end</i>	
	ANSWERS	397
	INDEX	433