CONTENTS

		Page
	PREFACE	7
	GENERAL WORKS OF REFERENCE	11
	INTRODUCTION	13
	Part I: The Igneous Rock-Forming Minerals	
I	THE MAFIC MINERALS	19
II	THE FELSIC MINERALS	62
III	ACCESSORY AND SECONDARY MINERALS	97
	Part II: Modes of Occurrence of Igneous Rocks and Consolidation of Magma	
I	THE GEOLOGICAL SETTING OF IGNEOUS ACTIVITY	127
II	MODES OF OCCURRENCE OF IGNEOUS ROCKS	140
III	THE CONSOLIDATION OF MAGMA	163
	Part III: Petrography, Significance, Distribution and Origins of Igneous Rocks	
I	PRINCIPLES OF ROCK-CLASSIFICATION AND NOMENCLATURE	185
II	ROCKS CONTAINING ESSENTIAL QUARTZ: THE 'ACID' IGNEOUS ROCKS	204
III	ORIGIN OF THE GRANITIC ROCKS	257
IV	SYENITES AND RELATED ALKALI-RICH ROCKS	270
V	DIORITES, MICRODIORITES AND ANDESITES	306
VI	THE MONZONITE FAMILY	334
VII	THE BASIC IGNEOUS ROCKS: GABBROS, DOLERITES AND BASALTS	339
VIII	DISTRIBUTION AND ORIGIN OF BASALTS	369
IX	SPILITES AND ALLIED ROCK-TYPES	382
X	SYENOGABBROS AND TRACHYBASALTS	386
XI	THE MAFIC FELDSPATHOIDAL LAVAS AND RELATED TYPES	396

		Page
XII	ORIGIN OF THE FELDSPATHOIDAL ROCKS AND CARBONATITES	407
XIII	THE LAMPROPHYRES	416
XIV	THE ULTRAMAFITES, ANORTHOSITES AND THE PHENOMENA OF LAYERING	424
XV	THE PYROCLASTIC ROCKS	454

Part IV: Igneous Activity in the British Isles

I	PRECAMBRIAN TO DEVONIAN IGNEOUS ACTIVITY	463
II	CARBONIFEROUS TO TERTIARY IGNEOUS ACTIVITY	506
	INDEX	541