CONTENTS

| | Page |
|---|------|
| Chapter I ALUMINUM CAST IRONS | 1 |
| General information | 1 |
| High-alloy cast iron with lamellar graphite | 7 |
| High-alloy cast iron with nodular graphite | 19 |
| High-alloy aluminum cast iron of the carbide type(pyroferal) | 40 |
| Low-alloy casst iron | 50 |
| Chapter II ALUMINUM CAST IRONS ALLOYED WITH SILICON OR CHROMIUM | 53 |
| Silicon-aluminum cast irons | 53 |
| Chromium-aluminum cast irons | 61 |
| Chapter III APPLICATIONS OF ALUMINUM CAST IRON | 63 |
| Chapter IV CHROMIUM CAST IRON | 70 |
| General information | 70 |
| Low-alloy cast iron | 72 |
| High-alloy cast iron | 86 |
| Chapter V SILICON CAST IRON | 92 |
| Cast iron with lamellar graphite | 92 |
| Nodular casst iron | 109 |
| The manufacture of castings from nodular silicon cast iron | 130 |
| Casting defects | 138 |
| BIBLIOGRAPHY | 141 |
| LIST OF ABBREVIATIONS | 146 |