

CONTENTS

| <i>Chapter</i> | <i>Page</i> |
|---|-------------|
| Preface | vii |
| 1. Introduction | 1 |
| 2. The Balance | 6 |
| 3. General Apparatus | 17 |
| 4. The Determination of Nitrogen | 22 |
| 5. The Determination of Carbon and Hydrogen | 33 |
| 6. The Determination of Chlorine | 46 |
| 7. The Determination of Bromine and Iodine | 55 |
| 8. The Determination of Fluorine | 62 |
| 9. The Determination of Sulphur | 66 |
| 10. The Determination of Phosphorus and Arsenic | 72 |
| 11. The Determination of Carboxyl Groups | 79 |
| 12. The Determination of Organic Bases in Non-aqueous Media | 88 |
| 13. The Determination of Alkoxyl and N-methyl Groups | 102 |
| 14. The Determination of Acetyl Groups | 112 |
| 15. The Determination of the Carbonyl Group | 117 |
| 16. The Determination of Olefinic Unsaturation | 124 |
| 17. Oxidation with Periodate | 138 |
| 18. The Determination of Nitro and Nitroso Groups | 149 |
| 19. The Determination of Thiol Groups | 161 |
| 20. The Cryoscopic Determination of Molecular Weight | 167 |
| Index | 171 |