

## CONTENTS

|                                   |     |
|-----------------------------------|-----|
| Opportunities and Recommendations | 1   |
| The Accomplishments of Chemistry  | 12  |
| 1. Organic Chemicals              | 15  |
| 2. Inorganic Chemicals            | 36  |
| 3. Plastics and Resins            | 66  |
| 4. Textile Fibers                 | 87  |
| 5. Natural and Synthetic Rubber   | 116 |
| 6. Protective Coatings            | 150 |
| 7. Pharmaceuticals                | 171 |
| 8. Soaps and Detergents           | 196 |
| 9. Personal Care Products         | 205 |
| 10. Fertilizers                   | 215 |
| 11. Pesticides                    | 226 |
| 12. Food Processing               | 244 |
| 13. Petroleum Refining            | 280 |
| 14. Nuclear Energy                | 298 |
| 15. Pulp and Paper                | 314 |
| 16. Ferrous Metals                | 331 |
| 17. Glass                         | 343 |