

# TABLE OF CONTENTS

## VOLUME III

|  |     |
|--|-----|
| Mass Photoelectric Absorption Coefficients .....   | 1   |
| Appearance Potential Spectroscopy .....  | 79  |
| Thermal Neutron Cross Sections and Resonance Integrals for Activation Analysis. . .  | 95  |
| Tables of Experimental Values of X-Ray Fluorescence and Coster-Kronig Yields<br>for the K-, L-, and M- Shells .....              | 125 |
| 14 MeV Neutron Activation Cross Sections .....   | 141 |
| Wavelength Standards in Visible, Ultraviolet, and Near-Infrared Spectroscopy . . . .   | 163 |
| Electron Affinities .....  | 175 |
| Wavelength-Dependent and Electronic System Oscillator Strengths for Free<br>Diatomic Molecules of Astrophysical Importance ..... | 193 |
| Electron Spin Resonance Application to the Study of Minerals and Glasses .....   | 207 |
| Experimental Lifetimes, Franck-Condon Factors, and Vibrational and Rotational<br>Oscillator Strengths .....                      | 269 |
| Mössbauer Spectroscopy .....   | 403 |
| Index .....  | 529 |

