CONTENTS OF VOLUME 5

Preface	iii
Introduction to the Series	iv
Contributors to Volume 5	
Contents of Other Volumes	
Hydrated Electrons and Electrochemistry	
GERALDINE A. KENNEY AND DAVID C. WALKER	
Authors' Preface	
I. An Introduction	
II. Hydrated Electrons in Electrode Reactions	
III. The Formation of Hydrated Electrons in Various Systems	24
IV. Structure of the Hydrated Electron	44
Summary	59
Appendix: Table II	59
References	
The Fundamentals of Metal Deposition	67
J. A. HARRISON AND H. R. THIRSK	
I. Introduction	
II. Vapor Deposition of Metals	
III. Models of the Electrocrystallization Process at an Atomic Level	71
IV. Experimental Procedures	116
V. Organic Additives	138
VI. Leveling	142
Conclusion	
Symbols	143
References	Ì44

Chemical Reactions in Polarography	149
Rolando Guidelli	
I. Introduction	150
II. Pure Diffusion Overpotential. Perfectly Mobile Homogeneous Equilibria	177
III. Diffusion and Charge-Transfer Overpotentials. Perfectly Mobile Equilib	ria
Coupled with a Slow Charge-Transfer Step	209
IV. Diffusion, Charge-Transfer, and Reaction Overpotentials. Slow Homogeneous	ous
Chemical Reactions not Influenced by the Diffuse Layer Structure	220
V. Slow Homogeneous Chemical Reactions Influenced by the Diffuse Lay	/er
Structure	284
VI. Heterogeneous Chemical Reactions	306
VII. Mathematical Appendix	341
References	369
Author Index	375
Subject Index	383