

# TABLE OF CONTENTS

|                                                                       |     |
|-----------------------------------------------------------------------|-----|
| Xavier Caicedo                                                        | 1   |
| Failure of interpolation for quantifiers of monadic type.             |     |
| Rolando Chuaqui & Leopoldo Bertossi                                   | 13  |
| Approximation to truth and theory of errors.                          |     |
| Peter Clote                                                           | 32  |
| Partition Relations in Arithmetic.                                    |     |
| Manuel Corrada                                                        | 69  |
| On the axiomatizability of sets in a class theory.                    |     |
| Maximo A. Dickmann                                                    | 76  |
| Applications of model theory to real algebraic geometry. A survey.    |     |
| Carlos A. Di Prisco & Wiktor Marek                                    | 151 |
| On the space $(\lambda)^K$                                            |     |
| Itala M.L. D'Ottaviano                                                | 157 |
| The model extension theorems for $\mathbb{I}_3$ -theories             |     |
| Sergio Fajardo                                                        | 174 |
| Completeness theorems for the general theory of stochastic processes. |     |
| James M. Henle, Adrian R.D. Mathias & W. Hugh Woodin                  | 195 |
| A barren extension.                                                   |     |
| E.G.K. Lopez-Escobar                                                  | 208 |
| Proof functional connectives.                                         |     |
| Michael Makkai                                                        | 222 |
| Ultraproducts and categorical logic.                                  |     |
| Jerome I. Malitz                                                      | 310 |
| Problems in taxonomy, a floating log.                                 |     |
| Jeffrey Paris & A. Wilkie                                             | 317 |
| Counting problems in bounded arithmetic.                              |     |
| Ramon Pino & Jean-Pierre Ressayre                                     | 341 |
| Definable ultrafilters and elementary end extensions.                 |     |

|                                                   |     |
|---------------------------------------------------|-----|
| Alexander Prestel                                 | 351 |
| On the axiomatization of PRC-fields.              |     |
| Cecylia Rauszer                                   | 360 |
| Formalizations of certain intermediate logics.    |     |
| Part I.                                           |     |
| William N. Reinhardt & Rolando Chuaqui            | 385 |
| Types in class set theories.                      |     |
| Jacques Stern                                     | 395 |
| Generic extensions which do not add random reals. |     |