

## Table of Contents

|   |     |
|---|-----|
| Opening Remarks . . . . .   | 1   |
| Robert T. Aangeenbrug, Conference Charman                                       |     |
| Charge to the Conference . . . . .  | 3   |
| William B. Overstreet, President,<br>American Congress on Surveying and Mapping |     |
| Welcoming Remarks . . . . .   | 7   |
| Vincent P. Barabba, Director,<br>U.S. Bureau of the Census                      |     |
| Map Design . . . . .  | 9   |
| Arthur H. Robinson, Honorary Co-chairman  |     |
| A Challenge to Cartographers . . . . .  | 15  |
| Vincent P. Barabba, Honorary Co-chairman  |     |
| Visions of Maps and Graphs . . . . .  | 27  |
| William Kruskal, Banquet Speaker  |     |
| General Session Papers . . . . .  | 37  |
| Panel Discussion on Experiences in<br>Federal Automated Cartography . . . . .   | 113 |

|  |     |
|--|-----|
| Seminar on Statistical Mapping . . . . .                                     | 133 |
| Seminar on Map Reading and Perception . . . . .                              | 169 |
| Seminar on Uses of Color . . . . .   | 267 |
| Seminar on Automation in Cartography:<br>Small Systems . . . . .             | 295 |
| Seminar on Automation in Cartography:<br>Software . . . . .                  | 331 |
| Seminar on Land Use Mapping . . . . .  | 361 |
| Seminar on Interactive Map Editing . . . . .                                 | 411 |
| Seminar on Urban Information Systems . . . . .                               | 453 |
| Seminar on Data Structures . . . . .   | 505 |
| Seminar on Automation in Cartography:<br>International Development . . . . . | 539 |
| Appendix I: Auto Carto II Staff and Committees . . . . .                     | 572 |
| Appendix II: Auto Carto II Participants . . . . .                            | 574 |
| Appendix III: Author and Title Index . . . . .                               | 608 |