

# Proceedings

Eighth International Symposium on Computer-Assisted Cartography

## *AUTO-CARTO 8*

Baltimore, Maryland  
March 30 - April 2, 1987

### FOREWORD

This volume contains the prepublished papers from the Eighth International Symposium on Computer-Assisted Cartography. The printed papers serve the registrants and speakers during the meeting, but they also serve as a permanent record of the state of knowledge in 1987.

This volume contains the overwhelming majority of the papers to be presented at *AUTO-CARTO 8*. Papers are ordered in the volume in the order of presentation during the week, allowing for the overlapping of concurrent sessions. The author index provides alternate access.

The Director and Program Committee of *AUTO-CARTO 8* are deeply grateful to each author and their support staff who made this volume possible. Without their effort, cooperation and attention to detail, the whole could not be assembled from so many parts.

The papers presented in this volume and at the symposium were selected from a large pool of abstracts. The authors of all the 160 abstracts submitted deserve thanks, particularly those whose proposals were not selected. There is a difficult problem involved in selection of papers for an event as diverse as *AUTO-CARTO 8*. To some extent, all persons working in the field should have access to the forum to share their ideas. The conventions operated on that principle turn into massive concurrent programs with no coherence and *esprit*. Over the history of *AUTO-CARTO*s, there has been increasing attention to a review process to ensure a coherent focus at the event. The Director wishes to thank the members of the Program Committee and others colleagues who assisted in this task. As the papers arrived, the quality seems to equal the standards of any previous *AUTO-CARTO*.

#### **Director**

Nicholas R. Chrisman

#### **Program Committee**

K. Eric Anderson

Donald F. Cooke

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## A NOTE ON THE FUTURE OF AUTO-CARTO

It is gratifying to produce this volume and look forward to the excitement of the symposium at Baltimore. *AUTO-CARTO* events have punctuated my career and the development of this field of endeavor. I am sure that a large number of long-established colleagues and new recruits will join in the intellectual challenge of the Baltimore event.

The seventh symposium and this one have taken roost inside the overall structure of the ACSM-ASPRS Convention. As Director of this event, I wish to thank Mary Clawson, Director of the Convention, and her assistants for their cooperation, assistance and forbearance. The Directors of the Technical Programs of the two organizations, Tom Collins and Phil Mobley, have taken every opportunity to adjust their schedules to accomodate *AUTO-CARTO 8*. They have turned into close friends during the hectic events of the past year. Some colleagues question the wisdom of this association. Some even dream of *AUTO-CARTO* as a budding discipline which will eventually cut its ties with the old ways of doing business. This note is intended to refute that tendency. This symposium should not split off on its own. It generates a special intensity of interest and a high quality of discourse which must be used creatively to renew all of the disciplines that contribute.

### **The Last *AUTO-CARTO*?**

At some point, there must be a last of this series. I personally do not want an honorary place on the podium of *AUTO-CARTO 38* some sixty years from now. Long before then, the interest in a separate symposium on automation in cartography must wane. The core of *AUTO-CARTO* must become the main agenda of the whole convention. I am not sure when to stop the series, but I think it should occur when the whole convention has the sense of energy and the quality of presentations which have become standard at these symposia.

*AUTO-CARTO* has become a key phrase evoked around the world, and shows the influence of these events. We must try to use the idea creatively instead of falling into the trap of running the symposium out of habit.

Finally, these comments are strictly personal and do not reflect the considered judgement of the sponsoring organizations. The thoughts on future events should not receive undue attention compared to the event at Baltimore.

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20 January 1986