

cartographic perspectives

Number 50, Winter 2005

in this issue

In Memory of Bill Loy Stuart Allan	4
FEATURED ARTICLES Unusual Display of DEMs J. Ronald Eyton	7
Miscommunicating With Isoline Preference Maps: Design Principles for Thematic Maps Daniel R. Montello and M. Violet Gray	24
Large-scale Topographic Web Maps Using Scalable Vector Graphics Peter Pavlicko and Michael P. Peterson	34
CARTOGRAPHIC TECHNIQUES Pre-Press and Technical Support Technician Mark Loppnow	47
MAP LIBRARY BULLETIN BOARD Penn State University Libraries: Building a Literary Map for the Web Joanne M. Perry	50
REVIEWS Connecting Our World: GIS Web Services Reviewed by David Broscoe	52
A Railroad Atlas of the United States in 1946: Volume 1: The Mid-Atlantic States Reviewed by Fritz C. Kessler	54
(continued on page 3)	

Letter from the Editor

Dear Members of NACIS,

Welcome to *CP*50, the first issue of Cartographic Perspectives for 2005. It's December 20, 2004...a foot of snow on the ground here in Duluth...Dvorak's New World Symphony is blasting out of my JBLs here in my office...my secretary has rolled her eyes at me at least 5 times already this morning (and has shut my door twice)...and I am wearing my favorite geo-t-shirt that says "as a matter of fact, the world does revolve around me". Life is good. If I were done grading my mountain of final exams, life would be grand. I'll settle for good.

This year is a reflective year for NACIS, and subsequently a reflective time for *CP*. As a collective academic body, we mourn the loss this past year of Professors David Woodward and Arthur Robinson, who passed away on August 28th and October 10th respectively. A *Special Issue* of *Cartographic Perspec-*

(continued on page 3)

NACIS WEB SITE www.nacis.org

(letter from editor continued)

tives, that celebrates and honors the accomplishments of these two men, is currently in production. I anticipate that this issue will be published as *CP*51 in May of 2005.

Two-thousand Five also marks the 25th anniversary of the North American Cartographic Information Society. Those 25 years went by awfully fast, did they not? In observance of this anniversary, *CP*52 will review the last 16 years of its publication, from the perspective of each of the past three editors (can you name them?), as well as from the perspective of the current editor (can you name me?). Here are some small tidbits of temporal information leading to the birth of CP. Cartographic Perspectives was first published in March of 1989 with co-editors David DiBiase and Karl Proehl. Prior to this time, NACIS first published 23 issues of Map Gap (edited by Karl Proehl), and then 8 issues of Cartographic Information (edited by Ruth Anderson Rowles). Then Cartographic Perspectives was pushed into the world, so to speak. The NACIS Publications Committee, in 1988 (or there 'bouts), said that the purpose of CP "should be to publish papers and information that support the stated objectives

of the Society and to serve as a record of the Society's activities" (DiBiase, 1989, Message from the Editors, CP1). I can confidently say that *Cartographic Perspectives* has, and continues to fulfill this purpose.

It has been fun (and educational even) for me to pour through the past 49 issues of Cartographic Perspectives. The journal has certainly grown and matured over the past 16 years. It has shed much of its newsletter-kindsof-information role from its early years, assuming a more formal position among other cartographic research journals. At the same time, *CP* has retained some of the informal aspects that have made it a successful record of the Society's activities. It has remained an inclusive publication, representing the broad diversity of the NACIS membership. CP continues to publish technical "how to" pieces. CP includes current news and issues central to the archival, storage and accessibility of all forms of spatial information and data. CP publishes reviews of books and atlases that are of interest

to the broad membership. CP now includes an outlet for map publishers to share their more innovative/ creative maps, and it publishes the opinions of its members, even the unpopular opinions. CP has grown and matured along with NACIS. It remains "a forum every member feels comfortable contributing to...that each issue contain[s] a variety of contributions from several members...[including] reviews, reports, abstracts of 'fugitive cartographic literature', notices, open letters, comments or complaints" (DiBiase, 1989, Message from the Editors, CP1)

Oh, and one last piece of important information. Beginning in 2005, with this very issue, *CP* will be indexed by Elsevier in GEO-BASE. This is very important for the journal, as it increases the exposure of all the content in *CP*, and therefore increases the desirability of authors to publish their work in *CP*. The editorial board of *CP* is working toward having our journal indexed in other source lists as well (e.g., Web of Science) and is considering full-text indexing.

Two-thousand Five will be a good year for *Cartographic Perspectives*. We'll have to verify this assertion in 2006.

As always, I welcome your ideas, comments and suggestions.

Warmest Regards,

58

Scott Freundschuh, Editor

in this issue

(continued)

VISUAL FIELDS

Cordillera Huayhuash, 1:50,000
Designed by Martin Gamache

COLOR FIGURES

Unusual Displays of DEMs 60

Large-scale Topographic Web Maps Using Scalable 61 Vector Graphics

Pre-Press and Technical Support Technician 63

Thanks to 2004 *CP* Contributors

L.J. Andreas Karen Trifonoff Philip Kelley John Hutchinson John Pound Douglas Norgord