

*cartographic events***EVENTS CALENDAR****1992**

January 18: **1990 Census Data User Conference**, New Orleans, LA. Contact: U.S. Census Bureau's Data User Services Division, User Training, Washington, DC 20244; (301) 763-1510.

February 4-7: **ICOGRAPHICS '92**, Milan, Italy. Contact: World Computer Graphics Association, Ste. 399, 2033 M St., NW, Washington, DC 20036. (202) 775-9556; fax: (202) 775-8122.

February 9-14: **GIS '92, 6th Annual Symposium**, Working Smarter, Geographic Information Systems in Forestry, Environment and Natural Resources Management, Vancouver, British Columbia, Canada. Contact: GIS '92 Symposium Office, 720-845 Cambie Street, Vancouver, British Columbia, Canada V6B 4Z9, (604) 688-0188; fax: (604) 688-1573.

February 11-14: **MICAD '92**, Paris, France. Contact: World Computer Graphics Association, 2033 M St., NW Ste. 399, Washington, DC 20036. (202) 775-9556; fax: (202) 775-8122.

February 25-27: **Mapping Awareness '92**. Conference and Exhibition, Olympia 2, London. Contact: Lindsey Deakin, Blenheim Online, Blenheim House, Ash Hill Drive, Pinner, Middlesex, HA5 2AE, UK
telephone: 081 868 4466.

March 17-20: **SIG-GIS '92**, Paris, France. Contact: World Computer Graphics Association, Ste. 399, 2033 M St., NW, Washington, DC 20036. (202) 775-9556; fax: (202) 775-8122.

March 22-28: **ACSM/ASPRS Annual Convention**, Albuquerque,

que, NM. Contact: ACSM, 5410 Grosvenor Lane, Bethesda, MD 20814, (301) 493-0200.

June 2-6: **Canadian Cartographic Association and Carto-Quebec Joint Annual Conference**, Montreal, Canada. Contact: Jacqueline M. Anderson, Department of Geography, Concordia University, 1455 de Maisonneuve Blvd. W., Montreal, Quebec H3G 1M8, (514) 848-2052; email JAHFH10@VAX2.CONCORDIA.CA; fax: (514) 848-3494, **Attention: Geography Department**.

June 15-18: **Computer Vision & Pattern Recognition**, Chancellor Hotel and Convention Center, Champaign, IL. Contact: Azriel Rosenfeld, e-mail: ar@alv.umd.edu

Summer: **Fifth International Symposium on Spatial Data Handling, USA**. Contact: Prof. Duane F. Marble, Department of Geography, The Ohio State University, Columbus, OH 43210, (614) 292-2250, telex: (650) 218-4975 MCI.

August 2-14: **17th International Society for Photogrammetry and Remote Sensing Congress**, Washington, DC. Contact: 17th ISPRS Congress Secretariat, Box 7147, Reston, VA 22091.

August 9-16: **27th International Geographical Congress**, Washington, DC. Contact: Anthony de Sousa, 27th IGC, 17th and M Sts. NW, Washington, DC 20036, (202) 828-6688.

October 14-17: North American Cartographic Information Society XII, St. Paul, MN. Contact: Jeff Patton, Department of Geography, University of North Carolina at Greensboro, Greensboro, NC 27412; (919) 334-5388.

November 6-12: **GIS/LIS 1992 Annual Conference and Exposition and ACSM/ASPRS Fall Convention**, San Jose, CA.

Contact: ACSM, 5410 Grosvenor Lane, Bethesda, MD 20814, (301) 493-0200.

1993

February 15-18: **ACSM/ASPRS Annual Convention**, New Orleans, Louisiana. Contact: ACSM, 5410 Grosvenor Lane, Bethesda, MD 20814, (301) 493-0200.

*NACIS news***NACIS OFFICERS**

President: Jack L. Dodd, Tennessee Valley Authority, 1101 Market St., HB 1A, Chattanooga, TN 37402-2801; (615) 751-5404.

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Secretary: Craig Remington, Geography Department, University of Alabama, Tuscaloosa, AL 35487; (205) 348-1536.

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Past President: James F. Fryman, Department of Geography, University of Northern Iowa, Cedar Falls, IA 50613; (319) 273-6245.

NACIS EXECUTIVE OFFICER Chris Baruth, NACIS, American Geographic Society Collection, P.O. 399, Milwaukee, WI 53201; (800) 558-8993 or (414) 229-6282

BOARD OF DIRECTORS

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CARTOGRAPHIC PERSPECTIVES

Editor: David DiBiase, Department of Geography, 302 Walker Building, Penn State University, University Park, PA 16802; (814) 863-4562; email: dibiase@essc.psu.edu.

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NOMINATIONS COMMITTEE

Chair: James F. Fryman, Department of Geography, University of Northern Iowa, Cedar Falls, IA 50613; (319) 273-6245.

PUBLICATIONS COMMITTEE

Chair: Michael Peterson, Department of Geography, University of Nebraska at Omaha, Omaha, NE 68182; (402) 554-2662.

NACIS BOARD CONFERENCE CALL, AUGUST 24, 1991

The following members participated in the conference call: F. Fryman, J. Dodd, C. Baruth, E. Hall, R. Bolton, C. Remington, P. McHaffie, N. Ryckman, S. Andrews, J. Sutherland, D. Rivera, and J. Anderson.

1992 Site

Fryman began the call at 9:15 am. Andrews stated that local arrangements were progressing well. A meeting would be held in the next week with the hotel. Question was asked about transportation to the hotel from the airport. Dodd stated this information would be listed in the preliminary program. Andrews suggested including a map of the area in the preliminary program. Fryman stated that people would like a list of pre-registrants. Rivera asked if people had been designated to lead field trips.

Dodd stated that preliminary programs were scheduled to be mailed Tuesday, August 27th. A return address label will be enclosed. There will be ten sessions with three or four roundtables. Rivera asked about the composition of the program. Dodd responded that there were two workshops, session on map production, map information, cartographic education and animation, public access to geographic information, federal government, ethics in cartography, cartography in private sector, historical cartography, and general cartography. Sutherland asked number of people on program. Andrews stated there were nineteen people presenting papers. Fryman asked if chair person had been secured for session. Dodd is currently working on. Remington asked about cartography lab poster session participation. Andrews thought everything was progressing well. Baruth asked about exhibit. Dodd replied that a few inquiries had been made. Rivera asked about bringing students from Michigan State to help with registration.

Old Business

Bolton asked about who should make up Teller's committee. Rivera will take care of ballot mail out and Rivera and White will form Teller's committee. Motion made. Unanimous.

Andrews has agreed to assume editorship of *Cartographic Perspectives* pending approval of her dean. Sutherland asked if production function would transfer

also. Fryman stated that it would. Baruth stated Andrews would no longer be able to chair membership committee. Baruth felt we needed to increase our institutional members. McHaffie felt maybe we should contact Departments of Geography to have them request that their libraries purchase *Cartographic Perspectives*. Sutherland stated that we also needed to attract more regular members. Bolton and McHaffie volunteered to work with membership. Hall reported that we had \$19,592.64 in our account. Hall stated that he needed to get deposit information. Hall said that membership was increasing. Rivera reported that four board slots needed to be filled as well as secretary and vice president. Rivera will handle mail out and counting of ballots with Ellen White. Fryman asked if there were any objections to the selection of the hotel. Suggestion was made to have Baruth sign contract. It was also suggested that Greg Chu head the local arrangements and recruit some other members. Hall asked about mailing label policy. Anderson suggested that we defer until the October meeting. Baruth asked about NACIS participation in a cartographic information planning meeting in November. Rivera was appointed to represent NACIS. Ryckman asked when the Board meeting was scheduled. Fryman will inform the Board members. Call concluded at 10:47 am.

James Anderson, Secretary

NACIS BOARD MEETING, OCTOBER 20, 1991

The following members were present: Ed Hall, Ron Bolton, Nancy Ryckman, John Sutherland, Fred Fryman, Sona Andrews, Jack Dodd, Craig Remington, Jim Anderson, David DiBiase, Diana Rivera, Chris Baruth and Hull McLean.

Old Business

Conference planning:

Andrews reported that the preparations were going well. A final budget was not yet available due to meal costs not yet available. Pre-registration was approximately seventy-five. Andrews recommended passing on certain procedures to future local arrangements committees. Room reservations at the Astor Hotel were below our guarantee thus requiring that we had to pay for meeting space. Sutherland asked if a loss would be incurred on this meeting so that that could be considered in other budget planning. Baruth mentioned that the mailing list for the conference was deficient in reaching people who would want to attend. He also suggested that future contracts with hotels be carefully examined.

Program

Dodd expressed his thanks to Sona and Chris for their help with the program and their work on local arrangements. Dodd felt that we had a good program and he encouraged people to let him know how the program could be improved.

Motion to accept the minutes was made and accepted.

Cartographic Perspectives

Andrews had spoken to her Dean about assuming editorship of the *Cartographic Perspectives*. His reaction has been favorable and she hopes to have a final approval shortly. She recommended that NACIS purchase desktop publishing software. David DiBiase stated that each issue required 125 hours of production times which NACIS was paying about 20 hours. Ways of cutting costs were discussed. Baruth suggested trying to increase our membership and getting more institutional members. DiBiase suggested appealing to students. Bolton suggested acquiring select mailing lists and sending out membership information. Baruth suggested preparing a brochure advertising *Cartographic Perspectives*. Anderson suggested establishing a subcommittee of the Board to study *Cartographic Perspectives* and report back to the board. Fryman suggested that the membership committee aggressively pursue new membership. Anderson suggested a dues increase for students to cover more of the cost of *Cartographic Perspectives*. Bolton agreed a small increase was necessary and that students should be encouraged to join as well as geography departments and government employees. Fryman appointed a membership growth committee composed of Fryman, Hall, Baruth, Bolton, Andrews and a cartography lab representative to be named.

New Business

Treasurer's Report:

Hall reported that the memberships varied during the year. Hall reported that the current balance was \$18,312.82 which included interest earnings of \$688.13. Hall suggested changing the membership year from September to August. Anderson suggested keeping the calendar year but sending out dues notices in September and providing an opportunity to pay at the annual meeting.

Teller's Committee:

Rivera reported on the results of the election. Rivera reported that Anderson, Sutherland, Rowles, and Minton had been elected to the Board, Craig Remington, Secretary and Jeff Patton, Program Chair. Upon being elected Program Chair, Patton will need to be replaced as Publications

Chair. Baruth mentioned that in some instances Board Members and candidates for the Board were not current in their dues. Baruth stated that the Bylaws should specifically state that officers and board members be members of NACIS.

Executive Director Report:

Baruth stated the desire for more centralization of such items as mailing lists, call for papers, preliminary programs, etc. He felt that a program committee needed to be created to assist the program chair composed of a person from each of the constituent groups. Program construction and schedule time should be carefully considered. Sutherland commented that it had been useful in the past to get input from the Board. A timetable was discussed for sending out meeting information. A consensus was that the "Call For Papers" should go out in March.

Other Committee Reports:

DiBiase emphasized the need for a strong Publications Committee Chair and committee. He stated that good papers were coming through the committee.

Planning for NACIS XII:

Fryman suggested discussing at board meeting following the meeting.

Site Selection for NACIS XIII:

Bolton reported that Washington was possible if we selected a fringe hotel. Bolton asked for guidance. Consensus was to pursue Washington and look for possible local arrangements help. Washington was adopted as the site for the 1993 meeting.

Other Business

Hall asked about NACIS policy on mailing labels. The Board adopted a policy of \$.25 per name on gummed labels. Anderson proposed creating a brochure on cartographic careers, employers, cartography departments, etc. DiBiase suggested making it a special issue of *Cartographic Perspectives*, and then use it to distribute in the future. He suggested appointing a special editor for this issue. Ryckman stated that Paul Anderson is interested in NACIS participating in a map sale fundraising effort. Sutherland suggested that a subcommittee of the Board meet with Dr. Anderson and then report back at the next Board Meeting.

James R. Anderson, Secretary

NACIS ANNUAL BUSINESS MEETING, OCTOBER 21, 1991

Fred Fryman thanked Sona and Chris for local arrangements and Jack Dodd for the program. Andrews reported that approximately eighty people had registered to date.

He asked for any comments that would help to improve future meetings. Diana Rivera reported for the Teller's Committee that Anderson, Rowles, Minton, and Sutherland had been elected to the Board. Craig Remington will be the new Secretary and Jeff Patton will be the new Program Chair.

Ed Hall reported that the balance in the NACIS account was \$18,312.82 which included interest earnings of \$688.13. Fryman announced that Sona Andrews would be the new editor of *Cartographic Perspectives*. Greg Chu reported that next year's meeting would be October 14-17, 1992 in St. Paul, MN at the Ramada Inn Hotel. Fryman reported that Washington, DC had been selected for 1993. Ron Bolton reported that we should be able to get rates in the \$70-\$80 range. He asked for hotel suggestions from the membership. Fryman asked for members to leave site selection preferences for 1994 at the registration desk. Fryman reported that the Board was going to form a program committee to assist in program planning which would represent all membership segments of NACIS. Fryman reported that Board was initiating a campaign to increase membership. He also reported that the Board was considering a possible increase in dues and asked for input from the membership. Ed Hall reported that dues notices would be sent in November. There was no further business to conduct and the meeting was adjourned.

James R. Anderson, Secretary

NACIS OPEN BOARD MEETING, OCTOBER 23, 1991

President Dodd called the meeting to order at 1:40 pm. The following Board members were present: Jim Minton, Jim Anderson, John Sutherland, Hull McLean, Ed Hall, Chris Baruth, Ron Bolton, Craig Remington, Jeff Patton and Ed Fryman.

NACIS XII

President Dodd began the meeting by asking Greg Chu to report on local arrangements for NACIS XII to be held at the Ramada Inn in St. Paul on October 14-17, 1992. Chu reported that arrangements were moving forward satisfactorily and suggested that NACIS offer workshops on cartographic animation at the meeting. A yet undecided workshop fee would be charged to cover expenses. Chu further offered the facilities of the University of Minnesota as well as IBM platforms for the workshop. Bolton spoke in favor of the workshop concept and pointed out that it would be a mechanism to attract new membership. Sona Andrews suggested a classroom environment as an appropriate setting. David DiBiase suggested the possibility of Penn State offering Macintosh

platforms to round out the hardware requirements. Dodd asked Chu to draft a proposal of his ideas, including a budget, and submit it to the Board before the December break. The consensus of the Board was to support Chu's efforts.

Anderson's Proposal

Dodd asked Anderson to make a presentation concerning a personal travel journal to be sold by schools for fund raising. Anderson sought the endorsement and financial support of NACIS with the understanding that part of the profits from the sales of the journals would be returned to NACIS. After hearing Anderson's presentation, Dodd asked for the Committee appointed to consider this matter to present their recommendation. Sutherland offered a motion to end discussion until the Board can meet in closed session. The motion was seconded and passed.

Publications Committee

Dodd announced that Michael Peterson has accepted the chairmanship of the publications committee and offered the Board's support and appreciation.

Cartographic Perspectives

Sona Andrews is awaiting final approval of institutional support from her Dean, so that she may assume editorship of the journal. She suggested that three editions annually would ease expenses of publication and that an increase in the monetary contribution of NACIS toward publication would be helpful. She also requested that NACIS provide funds to purchase desktop publishing software. DiBiase supported Andrews' position and pointed out significant subsidization of *CP* by Penn State. Bolton offered a motion that, pending institutional approval, NACIS provide \$500 to \$700 for the Editor to purchase publishing software. Fryman asked if the software will remain at UW-M permanently. Bolton responded that it will be licensed to UW-M and therefore it will be their property, regardless of future sites for *CP* production. Bolton's motion was seconded and passed. Hull makes a motion that *Cartographic Perspectives* begin publishing three regular issues annually under the new Editor. Added to the motion is the possibility of additional issues to cover special topics. Motion was seconded and passed. Discussion concerning the current level of funding by NACIS for *CP* along with the need for greater support by our organization for our journal lead to a motion by Bolton to fund *Cartographic Perspectives* at a rate of \$1000 per issue to begin when UW-M takes over production, with any residual funds to be returned to the treasury. Seconded and passed.

Other Business

The Local Arrangements Committee distributed a statement on the preliminary costs of NACIS XI. Ninety-two people registered. The Committee asked that a future effort be made to encourage members to preregister for our meetings to aid in planning. Sutherland offered a motion thanking the Local Arrangements Committee for their fine effort. Passed. Unanimous. Dodd suggested that a daily registration fee might be more accommodating for some conference participants. Dodd appoints Jim Minton to chair the Inter-America Committee. A letter of acknowledgment will follow. An increase in dues was discussed and will be decided upon at the Winter meeting. The Winter Board Meeting is scheduled for March 20-22, 1992 at St. Paul. The Nominating Committee was instructed to advise members who are seeking office that their *dues must be current and should remain so* through their tenure in office. Sutherland moves that the open meeting be adjourned and that the Board meet in executive session. Seconded and passed.

Executive Session

The discussion in the executive session involved the aforementioned proposal by Anderson. The committee appointed to review the matter felt that the increased commitment to *CP* would bring a new burden upon the treasury and therefore preclude the funding of Anderson's project. Bolton added that NACIS had never in the past given an endorsement to a private venture. Fryman made a motion that NACIS not accept Anderson's offer to sponsor personal travel journals. Seconded and passed. The final matter of business was a request by Jeff Patton that the President write a letter of thanks to A.G.S. for their hospitality. Dodd concurred and adjourned the meeting at 3:30 pm.

Craig Remington, Secretary

EXCHANGE PUBLICATIONS

Cartographic Perspectives gratefully acknowledges the publications listed below, with which we enjoy exchange agreements. We continue to seek agreements with other publications.

ACSM Bulletin. Offering feature articles, regular commentaries, letters, and news on legislation, people, products and publications, the American Congress on Surveying and Mapping's *Bulletin* is published six times a year. Contact: Membership Director, 5410 Grosvenor Lane, Bethesda, MD 20814; (301) 493-0200.

Bulletin of the Society of Cartographers. Published twice a year, the *Bulletin* features articles on techniques and ideas applicable

to the cartographic drawing office. Contact: John Dysart, Subscriptions Manager, Room 514, Middlesex Polytechnic, Queensway, Middlesex, EN3 4SF, England.

Cartouche. A quarterly publication offering news and announcements to members of the CCA. Contact: Canadian Cartographic Association, c/o Jim Britton, Sir Sandford Fleming College, School of Natural Resources, P.O. Box 8000, Lindsay, Ontario K9V 5E6 Canada; (705) 324-9144; e-mail: britton@trentu.ca; fax: (705) 324-9716.

Cartographica. A quarterly journal endorsed by the Canadian Cartographic Association/ Association Canadienne de Cartographie that features articles, reviews and monographs. B V Gutsell, founder and editor. ISSN 0317-7173. Contact: University of Toronto Press Journals Department, 5201 Dufferin Street, Downsview, Ontario, M3H 5T8 Canada; (416) 667-7781.

Cartographic Journal. Biannual Journal of the British Cartographic Society. Includes research articles, 'shorter' articles, official records of the Society, book reviews, and list of recent cartographic literature. Contact: Hon. Secretary, Charles Beattie, 13 Sheldrake Gardens, Hordle, Lymington, Hants, SO4 10FJ, England.

Cartography. Biannual Journal of the Australian Institute of Cartographers. Each issue contains two parts, the Journal proper and the Bulletin. The Journal contains original research papers, papers describing applied cartographic projects, reviews of current cartographic literature and abstracts from related publications. ISSN 0069-0805. Contact: John Payne, Circulation Manager, GPO Box 1292, Canberra, A.C.T. 2601, Australia.

Cartography Speciality Group Newsletter. Biannual publication of the Cartography Speciality Group of the Association of American Geographers. Features news, announcements and comics. Contact: Ellen White, Editor, CSG Central Office, Department of Geography, Michigan State University, East Lansing, MI 48824; (517) 355-4658.

Cartomania. This quarterly newsletter of the Association of Map Memorabilia Collectors offers a unique mix of feature articles, news, puzzles, and announcements of interest to cartophiles. ISSN 0894-2595. Contact: Siegfried Feller, publisher/editor, 8 Amherst Road, Pelham, MA 01002; (413) 253-3115.

Geotimes. Monthly publication of the American Geological Institute. Offers news feature articles, and regular departments

including notices of new software, maps and books of interest to the geologic community. Articles frequently address mapping issues. ISSN 0016-8556. Contact: Geotimes, 4220 King Street, Alexandria, VA 22302-1507.

GIS World. Published six times annually, this news magazine of Geographic Information Systems technology offers news, features, and coverage of events pertinent to GIS. Contact: Julie Stutheit, Managing Editor, GIS World, Inc., P.O. Box 8090, Fort Collins, CO 80526; (303) 223-4848; fax: (303) 223-5700.

Information design journal. Triannual publication of the Information Design Unit. Features research articles reporting on a wide range of problems concerning the design and use of visual information. Contact: Information design journal, P.O. Box 185, Milton Keynes MK7 6BL, England.

Perspective. This newsletter of the National Council for Geographic Education (NCGE) is published five times a year in October, December, February, April and June. News items related to NCGE activities and geographic education are featured. Contact: NCGE, Leonard 16A, Indiana University of Pennsylvania, Indiana, PA 15705; bitnet: CLMCCARD@IUP.

FEATURED PAPERS

Each issue of *Cartographic Perspectives* includes a featured paper, which is a refereed article reporting original work of interest to NACIS' diverse membership. Papers ranging from theoretical to applied topics are welcome. Prospective authors are encouraged to submit manuscripts to the Editor or to the Chairperson of the NACIS Publications Committee. Papers may also be solicited by the Editor from presenters at the annual meeting and from other sources. Papers should be prepared exclusively for publication in *CP*, with no major portion previously published elsewhere. All contributions will be reviewed by the Publications Committee, whose members will advise the Editor as to whether a manuscript is appropriate for publication. Final publication decisions rest with the Editor, who reserves the right to make editorial changes

to ensure clarity and consistency of style. No house style is imposed, but spelling, references, and notes must be consistent within papers.

REVIEWS

Book reviews, map reviews, and mapping software reviews are welcome. The Editor will solicit reviews for artifacts received from publishers. Prospective reviewers are also invited to contact the Editor directly; review copies of new books, maps and software can often be acquired at no cost.

FUGITIVE CARTOGRAPHIC LITERATURE

Information of interest to map makers, librarians, and educators appears in diverse publications. We invite synopses of reviews, news, and papers found in outlets not usually associated with cartography, map librarianship, or geography.

TECHNICAL GUIDELINES FOR SUBMISSION

Cartographic Perspectives is designed and produced in a micro-computer environment. Therefore, contributions to *CP* should be submitted in digital form on 3.5" or 5.25" diskettes. Please send paper copy along with the disk, in case it is damaged in transit.

Text documents processed with Macintosh software such as *WriteNow*, *WordPerfect*, *Word*, and *MacWrite* are preferred, as well as documents generated on IBM PCs and compatibles using *WordPerfect* or *Word*. ASCII text files are also acceptable.

PostScript graphics generated with Adobe *Illustrator* or Aldus *FreeHand* for the Macintosh or Corel Systems' *CorelDraw* for DOS computers are preferred, but generic PICT or TIFF format graphics files are usually compatible as well.

For those lacking access to microcomputers, typed submis-

sions will be cheerfully accepted. Manually produced graphics should be no larger than 11" by 17", designed for scanning at 600 dpi resolution (avoid fine-grained tint screens). Continuous-tone photographs may also be scanned.

Submissions may be sent to: David DiBiase, Department of Geography, 302 Walker Building, Pennsylvania State University, University Park, PA 16802; (814) 863-4562; email: dibiase@essc.psu.edu.

COLOPHON

This document was desktop-published at Deasy GeoGraphics, Department of Geography, Penn State University, using an Apple Macintosh IIfx. Word processing was accomplished primarily with *WordPerfect 1.03*; page layout with *PageMaker 4.0*. Graphics not rendered with Aldus *FreeHand 3.0* were scanned from paper originals using an HP 9190 ScanJet desktop scanner. The *PageMaker* document was output by a Linotronic 300 at PSU Printing Services. The bulletin was printed by offset lithography on Warren Patina 70# text stock. Text type is set in Palatino, a face designed by Herman Zapf. The featured color is PMS 2705C.