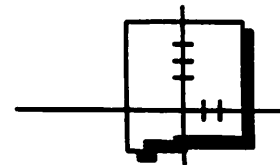


The MAP LEGEND

New Mexico Geographic Information Council, Inc.



Volume 3

Number 2

Winter 1992

1991 Western States Geographic Names Conference

by Bob Julyan

Native American issues dominated the Western States Geographic Names Conference (WSGNC), held in Santa Fe last September and hosted by the NMGIC Geographic Names Committee.

The most immediate issue was the renaming of Washington Pass in the Chuska Mountains. The members of the U. S. Board on Geographic Names (USBGN) heard presentations from Herbert Benally, head of Dine Studies at Navajo Community College, and Norman John II, Navajo Tribal Council Representative, as to why this issue is important to Navajos. They explained that the present name honors Col. John Washington whose troops in 1849 killed an important Navajo leader here. They want to replace Washington's name with that of the slain leader, Narbona.

The United States Board on Geographic Names USBGN was clearly sympathetic to the proposal, which also had widespread support in New Mexico. All that remains is action by the Navajo Tribal Council, expected to come sometime in 1992.

But the larger issue was bringing Native Americans into the naming process. Tito Naranjo of Santa Clara Pueblo, after giving examples of inaccurate

transliterations of Tewa names, summarized by saying, "We want to be consulted."

At WSGNC, the USBGN also heard presentations from people seeking the renaming of Spring Mountain in the Sangre de Cristo Range behind Santa Fe to honor Elliot Barker, noted New Mexico conservationist whose family home was near the mountain. Since the WSGNC, the local community has received numerous letters supporting the change including letters from U. S. Senator Pete Domenici and Governor Bruce King. The Geographic Names Committee will seek further input from the Santa Fe and Las Vegas areas, but if no significant opposition occurs, they likely will recommend the USBGN approve the change.

Similarly, the Committee will follow up on a proposal to put the name Waldo Mesa on maps of the Madrid area, following a presentation from a man saying this name is used and recognized in the area.

And finally, the committee will cooperate with the USGS mapping project currently underway in the Los Alamos-Santa Fe area in responding to possible name changes resulting from field work there.

The Alliance for Geographic Education in New Mexico

by T. Karl Wursching, Ph.D

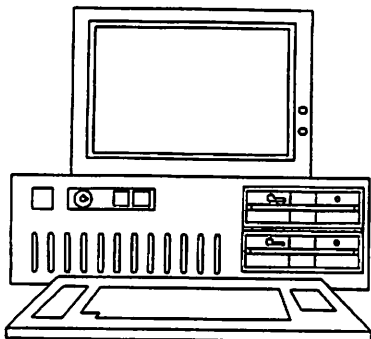
On October 11, 1991, the Board of Directors of the National Education Foundation approved a \$10,000 planning grant for New Mexico. This will assist in preparing New Mexico for full Alliance status. The National Geographic Society will match \$50,000 state funds for the next six years to sustain the Alliance. The 1992 legislature will consider the matching funds. It would help our students if you and they would tell their legislators about the value of this instructional program. New Mexico's Congressional delegation has pledged their support for the Alliance.

To improve geographic education in our schools and to make the public aware of the need for geography in our lives, the following goals have been set:

- o Teacher education
- o Public awareness of geography
- o Educational materials development
- o Recycling and conservation of natural resources
- o Preservation of our environment
- o Public awareness of New Mexico as a state of the United States

continued on page 4

The Map Legend



Editor: Heather Rex
Assembly: Amy Budge
Desktop Publishing:
Jeanette Albany

The Map Legend is published quarterly by the New Mexico Geographic Information Council, Inc. and is a benefit of membership in NMGIC. The opinions expressed are those of the contributors and do not necessarily represent the views of the New Mexico Geographic Information Council, except where specifically noted. The mention of trade names or products does not constitute an endorsement of the NMGIC. Members are invited to send articles and announcements of interest to the editor by the following deadlines: September 1, December 1, March 1, June 1. Please direct all correspondence to:

Heather Rex
 MAGIC/Centennial Library
 University of New Mexico
 Albuquerque, NM 87131-1466

HAPPY NEW YEAR!

The New Mexico Geographic Information Council would like to take this opportunity to thank all its members for their support during 1991 and to wish everyone a prosperous and healthy 1992.

A SPECIAL THANKS . . .

NMGIC extends its appreciation to the following 1991 corporate members for their support:

Ashtech, Inc.
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Suite 210
Boulder, CO 80302

(303) 449-7779

Bohannon-Huston, Inc.
Courtyard I
7500 Jefferson Street NE
Albuquerque, NM 87109

(505) 823-1000

SUBMISSIONS OF ARTICLES
 FOR THE
 SPRING 1992 ISSUE OF
THE MAP LEGEND
 ARE DUE BY
 MARCH 1, 1992

From the President

Tom Henderson

1991 was another year of progress for NMGIC. Of particular note are the steps we have taken to address our charter to promote geographic education. In May, we co-sponsored with the U. S. Census Bureau and the Bureau of Business and Economic Research a one-day workshop on the Census TIGER files. This was followed in November by our first professional workshop, "GIS Management and Operations." The latter was taught by one of the more prominent persons in the field, Ms. Rebecca Somers, and was so successful that we plan to offer similar workshops in the fall.

NMGIC recognizes that education of those young people who will eventually become adult geographic information professionals is just as important as providing training for existing professionals. In 1988, the National Geographic Society, concerned about the appalling state of geographic education in this nation's primary and secondary schools, created the NGS Education Foundation. The Foundation encourages and supports Geographic Education Alliance in various states. Over 40 states currently participate. Dr. Karl Wursching, who heads the New Mexico Alliance, explains the program in more detail in this issue of The Map Legend. It is the intent of NMGIC to actively support this effort in several ways. First, we will serve as a forum for the Alliance to present information on its progress to members. Second, the NMGIC will write letters of support

to the Legislature and the Governor's Office in support of the Alliance. Third, the President and perhaps other Board Members will testify as requested on behalf of the Alliance at Legislative committee hearings. Fourth, an NMGIC Board Member will participate on the Steering Committee of the Alliance. Fifth, the NMGIC will invite the Chairman and President of the National Geographic Society, Gilbert Grosvenor, to speak at an upcoming NMGIC General Meeting on the subject of geographic education. I will report on these initiatives in future issues.

Another NMGIC Board election is coming up. Five of the nine seats will open. I encourage those NMGIC members who are interested in actively participating in the oversight of our organization to run for the Board. The Board meets five to six times a year to make decisions regarding NMGIC directions, review activities of the various committees, plan for events, approve the budget, and otherwise conduct the business of NMGIC. It requires time and energy and the only reward is simply the satisfaction of contributing to the betterment of the State of New Mexico. If this appeals to you, contact the Elections Coordinator, David Love, at 835-5146 in Socorro.

1992 ASPRS/ACSM Meeting

The 1992 ASPRS/ACSM annual meeting and convention will be in Albuquerque February 29 through March 5, 1992 at the Albuquerque Convention Center. The meeting will include workshops, tutorials, poster sessions, and technical papers on surveying/mapping, photogrammetry, and GIS as well as the largest exhibit of equipment and technology in these fields. A job fair is also scheduled where job opportunities and resumes can be posted.

His Grace, Cristobal Colon Duque de Veragua, 20th descendent of Christopher Columbus, has been invited to participate in the opening ceremonies and social events. There will also be a display of historic and antique surveying equipment during the opening ceremonies.

Registration information can be obtained by contacting the Registration Coordinator, ASPRS/ACSM, 5410 Grosvenor Lane, Suite 100, Bethesda, MD 20814-2122.

NMGIC Sponsors Session at ASPRS/ACSM Meeting

On Wednesday morning March 4, 1992 NMGIC is sponsoring a poster/demonstration session at the 1992 ASPRS/ACSM Annual Meeting in Albuquerque. This session focuses on the applications of GIS in New Mexico and will feature users from state, federal,

continued on page 4



NMGIC Committees

Public Awareness Committee

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MAGIC
Centennial Library
University of New Mexico
Albuquerque, NM 87131-1466
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Fax: 277-0702

State Mapping Advisory Committee

Dave Love
New Mexico Bureau of Mines
Campus Station
Socorro, NM 87801
Telephone: 835-5146

Global Positioning Systems

Bill Stone
National Geodetic Survey
% Albuquerque Public Works
600 2nd Street NW, Suite 400
Albuquerque, NM 87102
Telephone: 764-1584

Geographic Information Systems Committee

Mike Zeiler
2521 Camino Entrada
Envision Utility Software
Santa Fe, NM 87505
Telephone: 471-2170

Geographic Names Committee

Bob Julyan
Rural Route 5
31 Avenida Almendro
Albuquerque, NM 87123
Telephone: 298-8420

Local Government Land Records Committee

Gretchen Coles
2940 Calle del Res
Santa Fe, NM 87505
Telephone: 984-6632

The Alliance continued from page 1

- o Placing of geography, by word and deed, at all levels of curriculum (K-G)
- o Lectures on China and other topics of world geography
- o Sponsor and conduct geography tours to China Australia, New Zealand, and Europe, as well as in New Mexico and the American Southwest

During the Planning Grant Period the Alliance has prepared a presentation of about an hour on the Alliance and a guided tour of Goode's World Atlas. This presentation is prepared for all teachers at all levels.

If invited to the school district, the Alliance will leave several copies of Goode's World Atlas, Teacher's Guide and Student Guide, all free of charge. For less than \$30, the school can buy the package from Rand McNally. The atlas alone is less than \$15. What a bargain for a textbook!

After full alliance status has been reached, the following events are planned for the next six years:

- o Elementary teachers: Geography Institute in Cloudcroft, two weeks.
- o Middle and HS teachers: Geography Institute in Cloudcroft, two weeks.
- o Workshops on other topics as requested
- o Support of Geography Bee
- o Geography Awareness and New Mexico Awareness
- o Modification of the curriculum to re-identify geography at all levels

To ask for a Planning Grant Workshop or for further information, contact:

T. Karl Wursching, Ph.D
NMSU-Alamogordo P.O. Box 471
Cloudcroft, NM 88317
505/434-0594 (office)
505/682-2958 (home)

NMGIC at ASPRS/ACSM Meeting

continued from page 3

and local governments, as well as those in the academic and private sectors. This is our opportunity to demonstrate to a national audience the status of GIS in New Mexico.

State Mapping Advisory Committee Sets Priorities For New Mexico Mapping

Dave Love, Chair of the NMGIC State Mapping Advisory Committee, in a letter to Lee Aggers of the National Mapping Division US Geological Survey, has requested the following priorities for upcoming USGS map projects in New Mexico.

- o 1:500,000 scale base map of New Mexico
- o At a 1:24,000 scale, Albuquerque, Los Alamos, and Belen are first priority. Las Cruces, El Paso, and Columbus have second priority and third priority is revisions on the Brantley and Navajo Reservoir areas.
- o At 1:100,000 scale, completion of the Silver City map and the addition of contours to the Santa Rosa and Vaughn sheets are recommended. Also, the Navajo Reservoir and Farmington sheets need transportation updating.
- o At 1:250,000 scale, the out-of-print Clifton and Silver City sheets should be reprinted or reissued in metric format similar to the Albuquerque sheet.
- o In digital products, the 30-minute DEMs statewide should be completed. The BLM is currently sponsoring 20 1:24,000 scale DEMs per year. DEMs are being used along the Pecos Valley from Las Vegas (not really in the Pecos drainage) to Roswell.
- o Updates of transportation DLGs are needed in the 1:24,000 scale project areas and on the Navajo Reservoir 1:100,000 scale.
- o The USGS requires that orthophoto projects be performed on a cost share basis. Recognizing this fact, the SMAC still feels that orthophotos would be useful along the Canadian River and in Catron and Socorro Counties. Digital orthophotos would be nice to have for the 1:24,000 scale priority areas.

Fall 1991 Meeting Summary

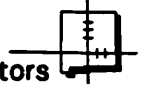
The fall meeting of NMGIC was held in Albuquerque December 6, 1991. The meeting featured two invited speakers and a users exhibit to demonstrate GIS related work in New Mexico.

The exhibits opened at 8:00 am with coffee and danish available for the earlybirds. At 9:00 the meeting was called to order by President Tom Henderson. A special guest, Dr. Karl Wursching,

gave a brief description of the Alliance for Geographic Education in New Mexico. Dr. Wursching is spearheading the Alliance activities in New Mexico and has given many presentations to schools throughout the state. NMGIC is supporting his efforts. Each committee chair briefly reported on committee activities since the spring meeting. The

continued on page 6

NMGIC Board of Directors



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Dan Sutcliffe (Vice-President)
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Albuquerque, NM 87102
Phone: 766-3277

Al Peters
NM State University
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Las Cruces, NM 88003
Phone: 646-1892
FAX: 646-8098

NMGIC Proposed Budget for 1992

One of the agenda items at the November 15, 1991 Board of Directors meeting was the budget for 1992. The Board and committee chairs propose the following budget for operation of NMGIC during the coming year:

Projected Expenses 1992

<u>Committee</u>	<u>Operations</u>	<u>Supplies/Misc.</u>	<u>Total</u>
Executive Board	\$6,800	\$500	\$ 7,300
Local Gov't	\$ 100	\$100	\$ 200
GIS	\$ 300	\$150	\$ 450
Geog. Names	\$ 100	\$100	\$ 200
GPS	\$ 500	\$100	\$ 600
Pub. Awareness	\$ 300	\$650	\$ 950
SMAC	\$ 400	\$150	\$ 550
Total NMGIC Budget for 1992			\$10,250

Projected Income 1992

Membership (General)	\$ 3,000
Sustaining Membership @ \$100	\$ 1,000
Exhibition Fees	\$ 1,000
Workshop Fees	\$ 4,000
Source Book (selling half @ \$5 ea.)	\$ 1,250
Total NMGIC Projected Income	\$10,250

The projected expenses for the Executive Board are:

Speakers Expenses (travel, room, honorarium, etc.)	\$ 4,500
General Meeting Expenses (room rental, catering, etc.)	\$ 1,300
Correspondence (postage, letterhead, copying)	\$ 500
Exhibit Furnishings (curtains, dividers, electricity, etc.)	\$ 1,000
Total Anticipated Executive Board Expenses	\$ 7,300

NMGIC Fall Meeting

continued from page 5

Local Government and Land Records Committee is losing Gretchen Coles (she is moving out of state) and is desperately looking for a new leader. Suggestions should be forwarded to Tom Henderson. Heather Rex, chair of the Public Awareness Committee, announced the availability of the Council's newest publication, The Sourcebook for New Mexico Geographic Information. It is available for \$5.00 per copy. Lee Aggers from the USGS Mapping Division in Denver was present to announce the progress on the opening of a USGS Field Office in New Mexico. He believes that by March 1992 the office should be in place in Albuquerque and most likely will be co-housed with the USGS Water Resources Division. Excellent presentations were made by both featured speakers. Bob Julyan, Chair of the Geographic Names Committee gave a most entertaining talk on geographic names and the Geographic Names Information System (GNIS) project in New Mexico. He emphasized the importance of names and their effect on our cultures. After a two hour lunch break in the exhibit hall (with box lunches) the second speaker, Dr. Earl Brabb from the USGS in Menlo Park, CA talked about his work in natural hazards and GIS in New Mexico, specifically, landslides. He has mapped his work using GIS technology. The day closed with meetings of several of the committees. The next general meeting is tentatively scheduled in April 1992. Watch the Map Legend for details.

Calendar

February 29-March 5, 1992. **ASPRS/ACSM Annual Meeting.** Albuquerque Convention Center, Albuquerque, NM. Contact: Registration Coordinator, ASPRS/ACSM, 5410 Grosvenor Lane, Suite 100, Bethesda, MD 20814-2122; (301) 493-0200.

April 19-22, 1992. **Association of American Geographers Annual Meeting.** San Diego, CA. Contact: Elizabeth Betschen, AAG Office, 1710 16th St. NW, Washington, DC 20009-3198.

June 15-17, 1992. **First Thematic Conference: Remote Sensing for Marine and Coastal Environments.** New Orleans, LA. Contact: ERIM/Marine Environment Conference, Nancy J. Wallman, PO Box 134001, Ann Arbor, MI 48113-4001; (313) 994-1200 ext 3234, FAX: (313) 994-5123.

August 2-8, 1992. **ASPRS/ACSM Technical Meeting & Exposition.** Washington, DC. Contact: Registration Coordinator, ASPRS/ACSM, 5410 Grosvenor Lane, Suite 100, Bethesda, MD 20814-2122; (301) 493-0200.

August 2-14, 1992. **XVII ISPRS Congress.** Washington, DC. Contact: XVII Congress, c/o Galaxy Registration, PO Box 4088, Frederick, MD 21701.

November 10-12, 1992. **GIS/LIS '92 Annual Conference & Exposition.** San Jose, CA. Contact: GIS/LIS '92, 5410 Grosvenor Lane, Suite 100, Bethesda, MD 20814-2122; (301) 493-0200, FAX: (301) 493-8245.

1992 NMGIC Membership Dues

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Send your membership form and check to:

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% Technology Application Center
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Albuquerque, NM 87131-6031

Membership entitles you to:

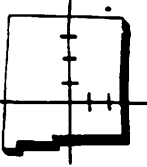
- ▶ Receive *The Map Legend*
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NMGIC

New Mexico Geographic Information Council

Public Awareness • State Mapping Advisory • Geographic Information Systems • Global Positioning Systems • Geographic Names



January 9, 1992

From: President, NMGIC

To: All NMGIC Members

On or about January 23, 1992, legislation will be introduced at the 1992 Legislative Session in support of the Alliance for Geographic Education in New Mexico. Identical bills will be introduced in the Senate by Senator Hobson and in the House by Representative Townsend. The bills authorize a \$50,000 annual expenditure to match an equal amount provided by the National Geographic Society Education Foundation. This funding would support an aggressive geographic education program in New Mexico's schools.

Part of this expenditure provides travel and expenses for ten outstanding New Mexico teachers to the National Geographic Society Summer Institute in Washington, D.C. The Institute lasts for one month and provides participants with materials, background, and strategies for improving geographic education in their own schools. Applications for this program are due by February 15, 1992 and are available from:

T. Karl H. Wursching, Ph.D.
Alliance for Geographic Education
Box 471
Cloudcroft, New Mexico 88317

The NMGIC actively supports the Alliance and encourages all members to contact their respective legislative representatives and express support for the pending Alliance bills. We further encourage members to contact teachers in their area and inform them about the Summer Institute.

Thomas Henderson

The Alliance for Geographic Education in New Mexico

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- Teacher Education
- Public Awareness of Geography
- Educational Materials Development
- Recycling and Conservation of Natural Resources
- Preservation of our Environment
- Public Awareness of New Mexico as a State of the United States
- Placing of geography, by word and deed, at all levels of curriculum (K-G)



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Geography Awareness and New Mexico Awareness

Modification of the curriculum to re-identify geography at all levels

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T. Karl H. Würsching, Ph.D
NMSU-A P.O. Box 471
Cloudcroft, NM 88317

Or call: 434-0594 (Office)
682-2958 (Home)

Mac/Dept.
A. W. Verbin, III