

information bulletin

Volume 29 Number 3

July 1998



Western Association of Map Libraries

*"... to encourage high standards in every phase of organization
and administration of map libraries..."*

The **Western Association of Map Libraries** is an independent association of persons, educational and business institutions. The Membership has defined, beginning in 1967, its Principal Region as follows: the Provinces of Alberta and British Columbia, and the States of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Membership in WAML is open to any individual, institution, or business interested in furthering the purpose of the Association, which is "to encourage high standards in every phase of the organization and administration of map libraries." Send membership checks to the WAML Treasurer at the address shown below. Make checks payable to "WAML", or the "Western Association of Map Libraries." All memberships begin July 1.

WAML and its *Information Bulletin* operate on a Membership Year/Volume Year basis. Subscriptions begin July 1 and end on June 30 the following year. Mid-year joiners/subscribers will receive back-issues for that year. Back issues of the *Information Bulletin* are available for US\$10.00/volume, or portion thereof, from the Business Manager.

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Western Association of Map Libraries

Volume 29 No. 3

INFORMATION BULLETIN

July 1998

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The *Information Bulletin* is published by the Western Association of Map Libraries as its primary tool of communicating with its Membership and Subscribers; however, opinions expressed herein do not necessarily reflect an official Association position. If you have contributions for the *IB*, the Editors will appreciate receiving your material in electronic form. You may send it via e-mail to the Features Editor. You may also send material on magnetic disk, either 3.5 or 5.2 inch, MSDOS format preferred (Word or WordPerfect).

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 Electronic News & Notes: Lucinda Hall

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 To CCISA: Muriel Strickland (1996/7-)
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 To GIS: Richard Spohn (1996/97-)
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 Doug Smith (1996/97-1997/98)

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Program
Fall 1998 Meeting
September 16-18
Western Association of Map Libraries

Geography and Map Division
Library of Congress

Recent events on Capitol Hill prompted significant changes in security procedures at the Library of Congress that have necessitated changes in the schedule of events for the meeting of the Western Association of Map Libraries. The public can now use only one entrance to the James Madison Building, the doors on Independence Avenue, and admission is not permitted until 8:30 AM. In addition, all visitors to the Library must pass through a metal detector and have each bag or purse examined carefully. Consequently, there is a long, slow line in the mornings waiting to get into the Madison Building, and all visitors must assume that it could take as long as a half-hour or more to gain admittance at that time.

To accommodate the delays that must be expected, the starting time for the first events of each day have been pushed back to 9:30 AM to ensure ample opportunity for attendees to get through the entrance. That has forced us to also shorten some of the events scheduled for later in the day. Lunch breaks may be affected because of the length of time required to pass through the security procedures when returning during the middle of the day.

It is recommended that attendees not bring computers or other office-type machines, as these will have to be registered at the door and will increase the time required to get into the building.

Wednesday, September 16

9:30 Business Meeting

1:30 Welcome (Elizabeth Mangan, Acting Chief)

Introductions and Overview of Conference Activities (Mr. Fitzpatrick)

Organization and History of the Division (Ralph E. Ehrenberg, Chief Emeritus)

2:30 Break

3:00 Tour of the Geography and Map Division

5:00 Reception, Geography and Map Division Foyer and Hallway

Thursday, September 17

9:30 Discussion Groups:

- Acquisitions (Mr. Buscher)
- Reference (Mr. Grim)
- Cataloging (Ms. Story)
- Vault Collections (Mr. Redmond)
- GIS Program (Mr. Fitzpatrick)
- Preservation Activities (Mr. Knodle, Mr. Shepler, Ms. Wanser)

10:30 Break

11:00 Discussion Groups

- Collections Management (Mr. Buscher)
- Reference (Mr. Grim)
- Cataloging (Ms. Story)
- Vault Collections (Mr. Redmond)
- GIS Program (Mr. Fitzpatrick)
- Preservation Activities (Mr. Knodle, Mr. Shepler, Ms. Wanser)

12:00 Lunch

2:00 National Digital Library Program (Ms. Mangan, Ms. Stumbaugh, Ms. Pickett, Mr. Fitzpatrick)

3:15 Break

3:45 Discussion Groups

- Acquisitions (Mr. Buscher)
- Cataloging (Ms. Story)
- Vault Collections (Mr. Redmond)
- GIS Program (Mr. Fitzpatrick)

Friday, September 18

9:30 Discussions with Acting Chief, Team Leaders for Cataloging and Collections Management, and Specialists

12:00 Lunch

2:00 Tour of the Exhibit, *American Treasures of the Library of Congress*



Sue Trevitt-Clark visits with Stan
Stevens and Linda Newman

Kathleen Susan (Sue) Trevitt-Clark

1946 - 1998

Longtime WAML member, Sue Trevitt-Clark died on April 15, 1998 at her home in Eugene, Oregon. She was 52. Her family did not disclose the cause of death.

She was born February 14, 1946, in Oakland, California to Frederick and Dorothy Trevitt. Upon graduation from High School in Oakland, she moved to Chico, California in 1963, receiving her bachelor's degree in geography from Chico State University four years later. She moved to Eugene, Oregon in 1967 to attend graduate school and earned a master's degree in geography from the University of Oregon. She married Dennis Clark June 13, 1976 in Point Arena, California.

Survivors include her husband; her mother of Point Arena, California; a brother, Michael Trevitt of Santa Ana, California; a sister, Patricia Neth of Point Arena, California; and hundreds of friends near and far. A celebration of life was held at Hendricks Park and Rhododendron Garden in the early evening hours of June 4, 1998 where many of her friends and family gathered to celebrate her life.

In 1967 the Department of Geography and the University Library merged their two cartographic material collections into a new branch library in Condon Hall. Sue Trevitt-Clark began work in the newly created "Map Room" as a work/study student the same year. She first worked under Dierdre Malarky, Head, Government Documents Library, University of Oregon Library, who was appointed acting head of the Map Room. In 1968, when Science Librarian, Ed Thatcher returned from his sabbatical in Africa, he was appointed Head of the Map Room and was able to name Sue to a permanent staff position. Her first day in the permanent staff position was November 1, 1970. There, she continued without break or pause for over 27 years until her death this year.

She was largely responsible for collecting, organizing, and assisting users with the large collection of aerial photography held by the UO MAP Library. She was always working to improve the collection by collecting, indexing, trimming, labeling, organizing, or shifting the photos. The aerial photography collection of over one half million prints is her lasting legacy to the University of Oregon and to the citizens of the state. However, it was her public service orientation that will be remembered most by the students, faculty, staff, and members of the community who used the MAP Library. Her working world revolved around the patron. Everything else came to a stop while she focused completely on the user and the inquiry at hand until the user either had the information requested or was satisfied with a referral.

Sue took her turn as President of the Western Association of Map Libraries from 1982 to 1983 and worked to advance the goals of the association in many smaller ways. She began the tradition of compiling the annual "WAML Lists" or the roster of WAML officers, committee members, and appointed liaisons that appears in the WAML Information Bulletin. She worked with Stan Stevens in compiling the historic WAML List in advance of WAML's 1987 20th anniversary meeting in Reno, Nevada. Sue served as Oregon Editor for the WAML IB for many years and was responsible for several atlas reviews and articles. Of course, she attended and contributed to WAML meetings as a speaker, as a member of the hospitality committee, and by just being Sue, an uplifting and positive individual in every circumstance. WAML members, undoubtedly, can add to this short list of her contributions to our association and it is not an exaggeration to say that she will be missed all up and down the West Coast for many years to come.

Peter Stark
Head, Map and Aerial Photography Library
University of Oregon.

Alternative Atlas Shelving

Edited by Ross Togashi

Instead of "normal" vertical oriented bookshelves, the University of Akron and Indiana University use commercially available shelving to store their collections horizontally. Thanks to Peter Linberger, University of Akron and Lois Heiser, Indiana University, for contributing their photographs and descriptions.

Atlas Shelving, Bierce Library, University of Akron

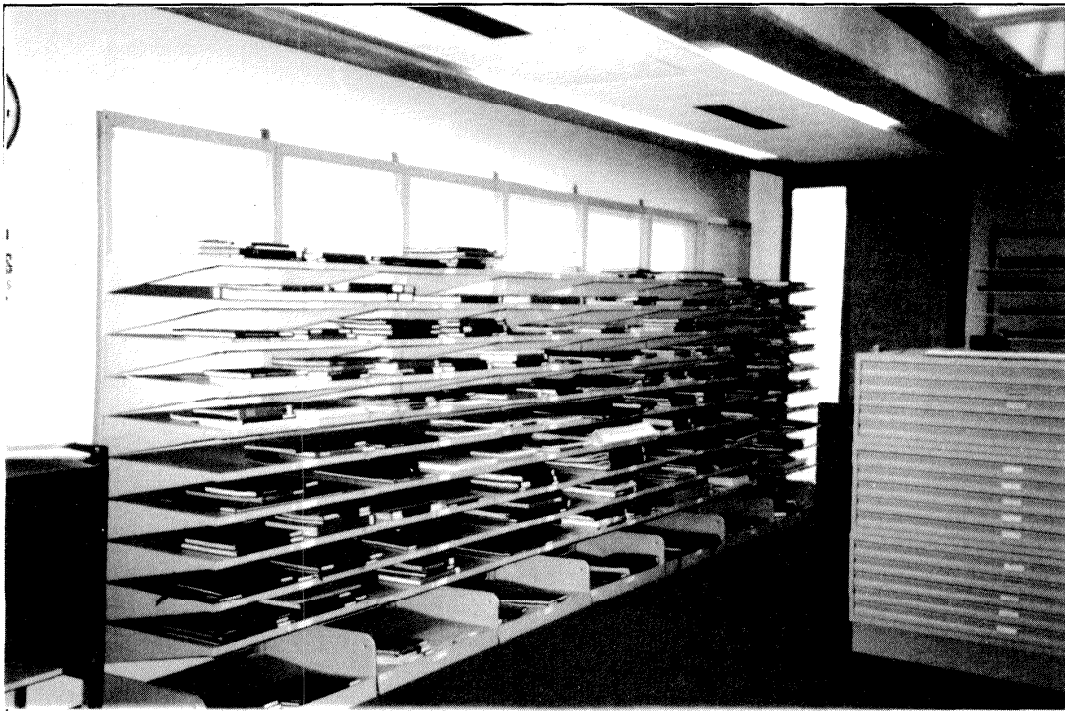


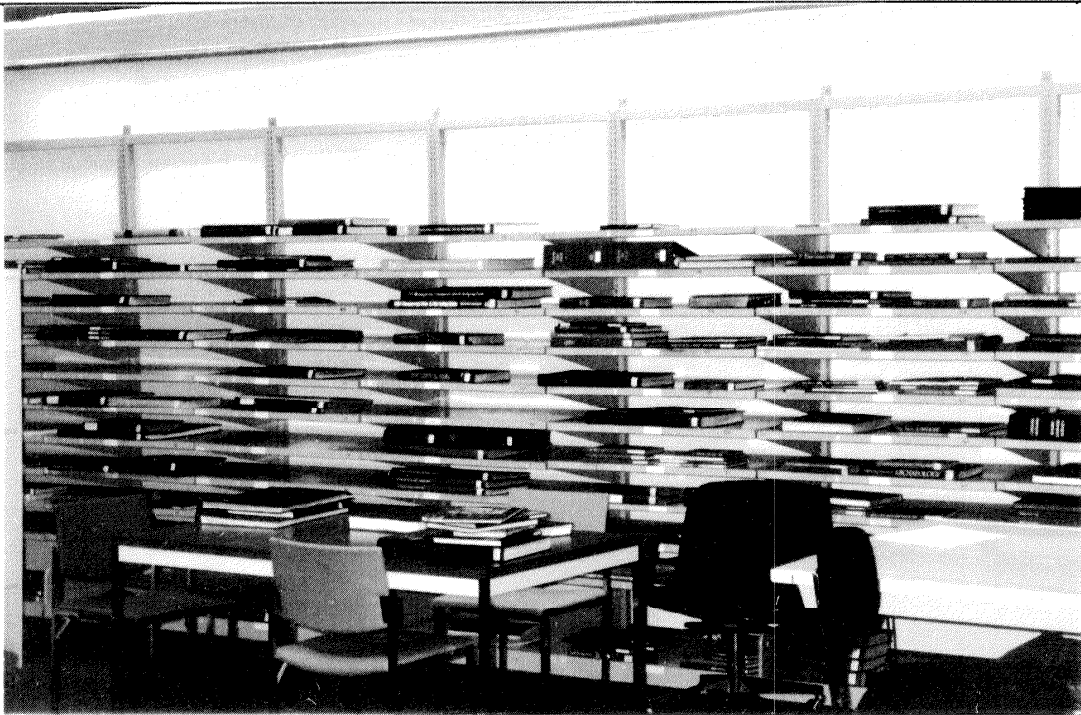
Approximately 500 atlases are shelved in the map room. Second copies, superceded, and less-used atlases are kept in remote storage.



Atlases are shelved horizontally with the spine facing outward, and LC call number labels are placed sideways for easier identification.

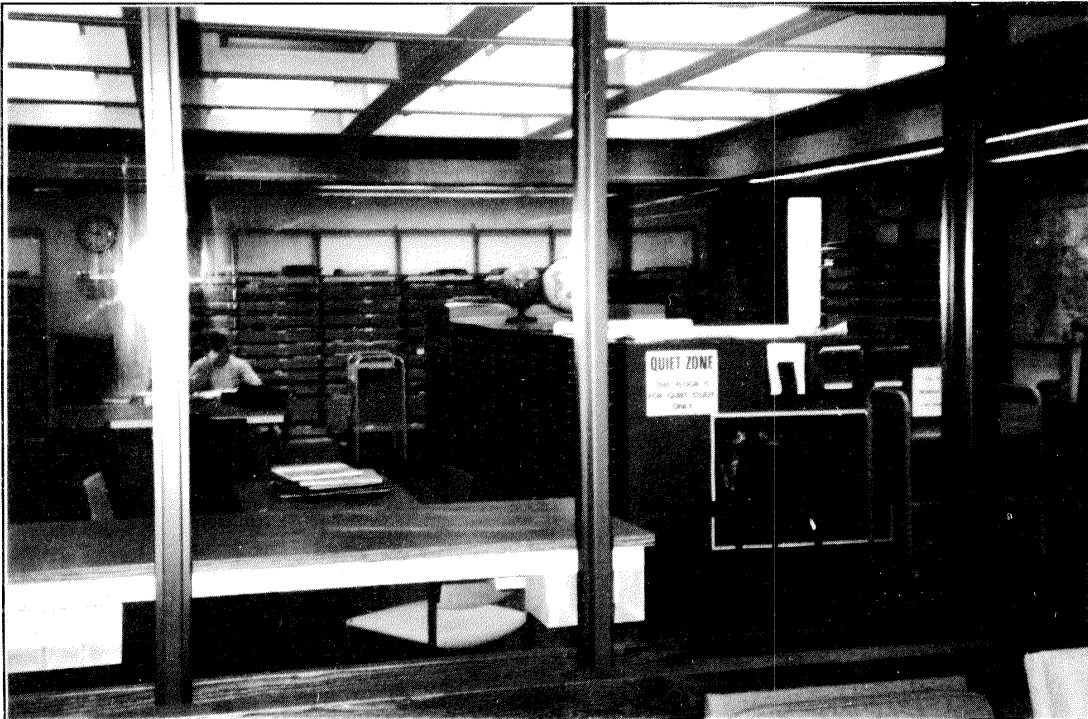
The atlas shelves are "hooked" onto wall bracings, and shelves can be easily moved up or down to accommodate for space.





Atlases are cataloged, and shelved, by the Library of Congress classification system. All atlases are listed on our OPAC.

Bierce Library is the main campus library for the University of Akron, and houses the map and atlas collection.



Atlas Shelving: Geological Library, Indiana University, Bloomington

Following a disaster of having five fully loaded sections with 13.5" depth shelves pull out their wall anchors, we sought a more stable atlas shelving system.

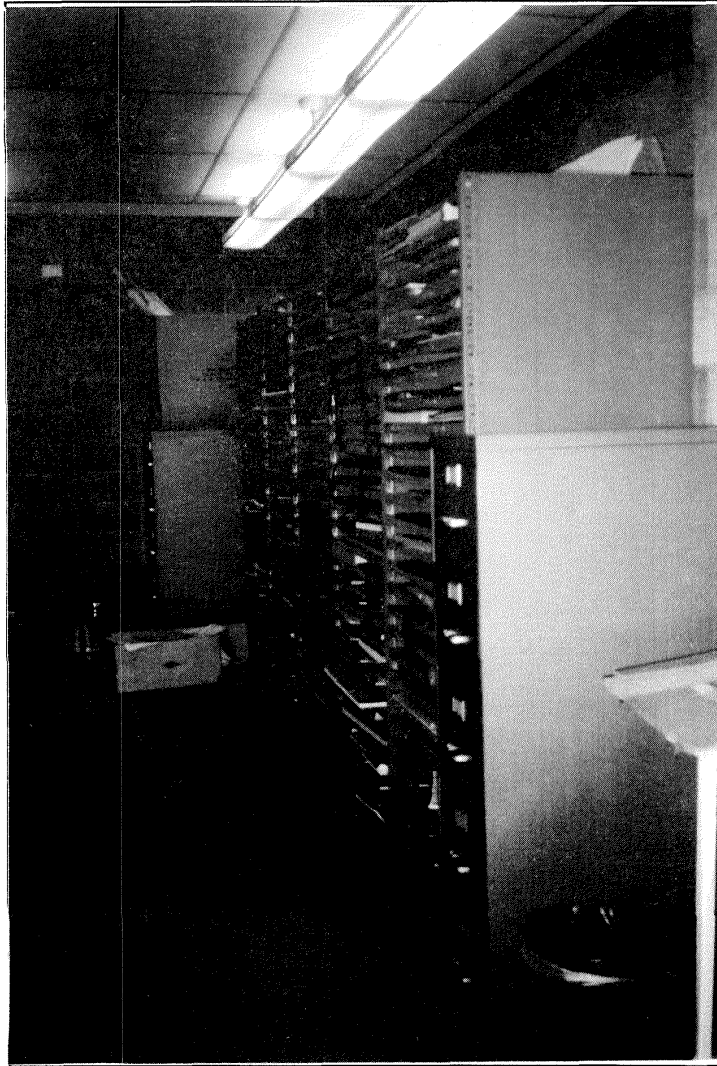
We ultimately installed industrial steel units seven feet high, with 36"x36" shelves placed at 1.75" intervals. This was designed to give full support to almost every size atlas.

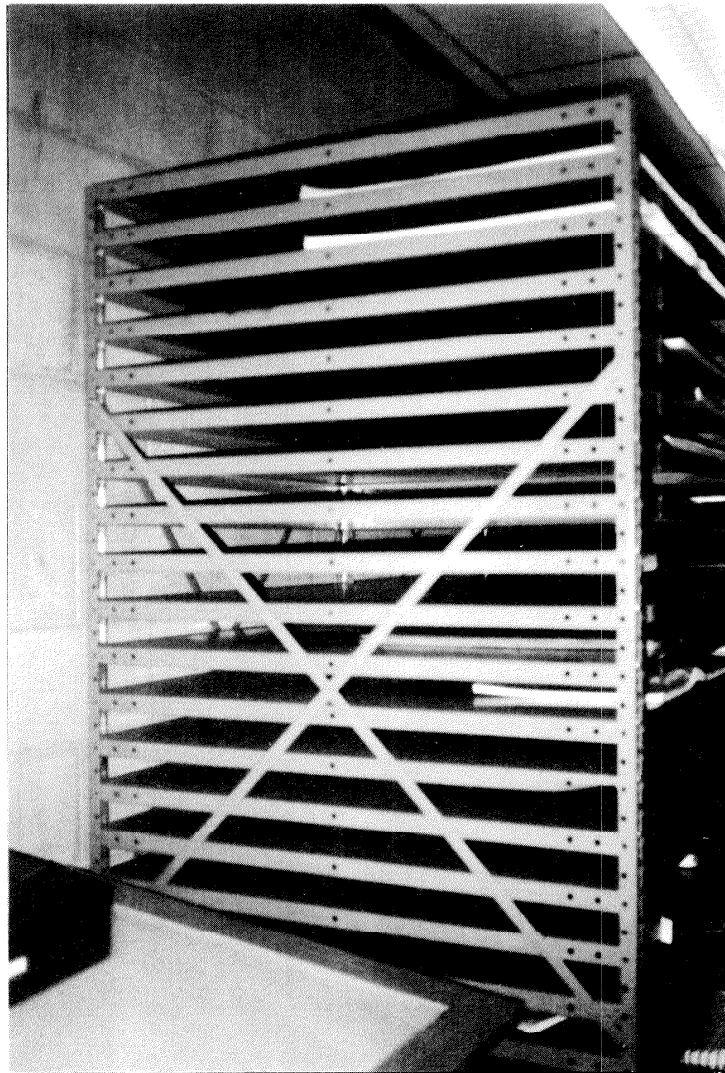
The stack units do not have to be anchored to the wall as the "square" prevents tipping. Further stability is achieved by coupling multiple units. Atlases with larger than 1.5" spine width currently reside in floor atlas stands. Given additional space, we would gladly add a section or two of this industrial shelving with shelves placed at 3.5" to accommodate those also.

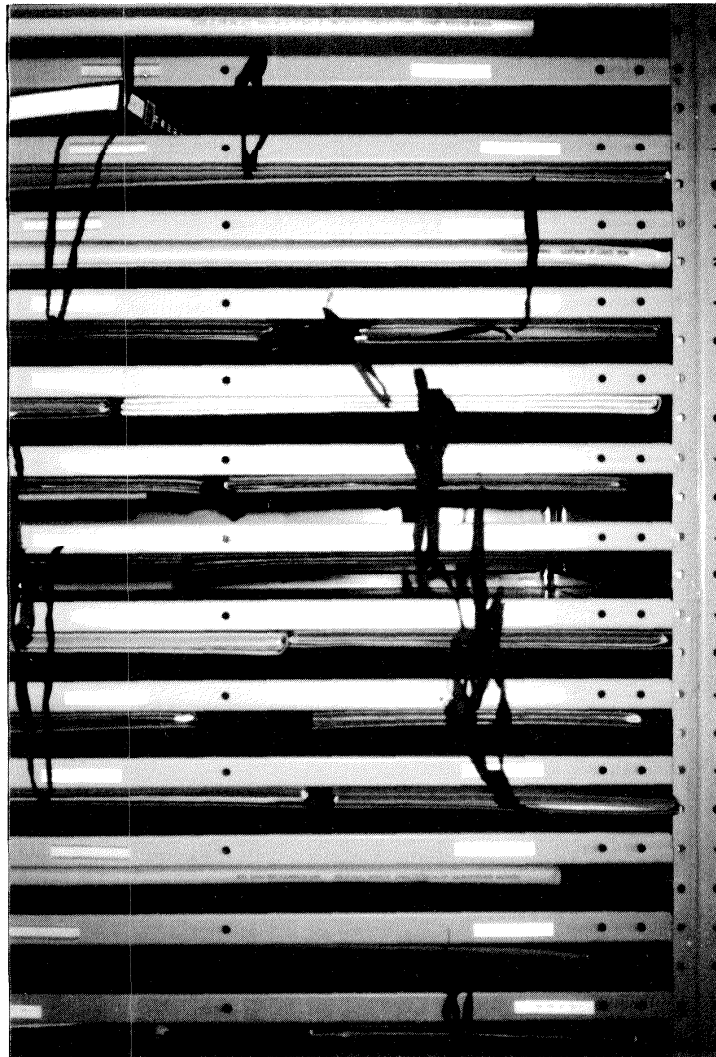
Using HOL-DEX self-adhesive label holders, an additional advantage is gained by being able to label the shelves. Thus, we can easily change the call numbers in the holders and move the atlases when new ones are added to the library.













Cartobibliography of Historical Maps of Greater Los Angeles Part 3: 1951-1988

reprinted from
***Index to Historical Maps
of Greater Los Angeles***

compiled by
Bernice Kimball

Map of Los Angeles — Hollywood Section. Lloyd, 1951. HS 60.

Annexation Map — Beverly Hills Detach No. 4. City, 1951. A 8443.

Annexation Map — Belvedere. City, 1951. A 8718.

Annexation Map — Fairfax Addition No. 8. City, 1951. A 8719.

Annexation Map — Melrose Addition No. 2. City, 1951. A 8717.

Annexation Map — Lomita Addition No. 5. City, 1951. A 8733.

Annexation Map — Norman. City, 1952. A 8935.

Annexation Map — Lomita Addition No. 6. City, 1952. A 8903.

Annexation Map — Culver City Detach No. 1. City, 1952. A 9055.

Annexation Map — Mar Vista Addition No. 4. City, 1952. A 9071.

City of Burbank. Paige, 1953. HS 138.

L A County Wall Sheet No. 34. County, 1953. HS 316.

Annexation Map — Westgate Addition No. 2. City, 1953. A 9121.

Annexation Map — Rolling Hills. City, 1953. A 9309.

Annexation Map — Mar Vista Addition No. 5. City, 1953. A 9323.

Annexation Map — Inglewood Detachment No. 1. City, 1953. A 9381.

Annexation Map — Fairfax Addition No. 9. City, 1953. A 9368.

Annexation Map — Keystone Addition No. 1. City, 1953. A 9447.

Annexation Map — Rolling Hills Addition No. 2. City, 1953. A 9474.

Annexation Map — Burbank Detachment No. 2. City, 1953. A 9424.

City of Burbank. Paige, 1954. HS 139.

Annexation Map — Glenoaks Addition. City, 1954. A 9425.

Annexation Map — Beverly Hills Detach No. 5. City, 1954. A 9568.

Annexation Map — Rolling Hills Add. No. 4. City, 1954. A 9697.

Annexation Map — Rolling Hills Add. No. 3. City, 1954. A 9725.

Annexation Map — Burbank Exclusion No. 1. City, 1954. A 9827.

District VII Road Map. State Hwy., 1954. HS 519.

Master Plan of Highways. Plan Comm, 1955. HS 236.

Master Plan of Shoreline-Venice Beach. City Plan, 1955. HS 421.

Master Plan of Shoreline-Santa Monica Bay. City Plan, 1955. HS 422

Annexation Map — Chatsworth Addition No. 3. City, 1955. A 10065.

Annexation Map — Sunland Addition No. 2. City, 1955. A 10102.

Annexation Map — Sunland Addition No. 3. City, 1955. A 10113.

Annexation Map — Sunland Addition No. 4. City, 1955. A 10143.

Annexation Map — Burbank Detachment No. 3. City, 1955. A 10179

Annexation Map — Rolling Hills Add. No. 6. City, 1955. A 10171.

Annexation Map — Rolling Hills Add. No. 7. City, 1955. A 10221.

Annexation Map — Tuna Canyon Add. No. 2. City, 1955. A 10207.

Annexation Map — Burbank Detach No. 4. City, 1955. A 10249.

L A County Wall Sheet No. 44. County, 1956. HS 321.

Annexation Map — Arroyo Seco Addition No. 2. City, 1956. A 10303.

Annexation Map — Angeles Mesa No. 7. City, 1956. A 10407.

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- Annexation Map — La Rambla Addition.* City, 1957. A 10835.
- Annexation Map — Torrance Addition No. 1.* City, 1957. A 10834.
- Annexation Map — Beverly Hills Detach No. 6.* City, 1957. A 10969.
- Annexation Map — Mar Vista Addition No. 6.* City, 1957. A 10990.
- Annexation Map — Culver City Detach No. 2.* City, 1957. A 11019.
- City of L A — Postal Zones.* City, 1958. HS 250.
- Division Index & District Map Index — SFV.* City, 1958. HS 297.
- City of L A & The Metropolitan Dist. — Atlas.* Lloyd, 1958. HS 298.
- Topographic Map of Griffith Park.* Sloan &, 1958. HS 436.
- Annexation Map — Wiseburn Addition No. 3.* City, 1958. A 11234.
- Annexation Map — Palos Verdes Add. No. 2.* City, 1958. A 11231.
- Annexation Map — Lomita Addition No. 7.* City, 1958. A 11393.
- Annexation Map — Calabasas Addition No. 5.* City, 1958. A 11463.
- Annexation Map — Calabasas Addition No. 6.* City, 1958. A 11464.
- Original Zanja System (see also HS 485; map no longer available at Wtr & Power).* Wtr & Pow, 1958. HS 489.
- Master Plan of Highways — Major & Secondaries.* City Plan, 1959. HS 237
- Atlas of the L A Metropolitan Area.* Saunders, 1959. HS 278.
- Annexation Map — Calabasas Addition No. 2.* City, 1959. A 11543.
- Annexation Map — Calabasas Addition No. 3.* City, 1959. A 11544.
- Annexation Map — Calabasas Addition No. 4.* City, 1959. A 11545.
- Annexation Map — Burbank Detachment No. 5.* City, 1959. A 11580.
- Annexation Map — Laurel Canyon Add. No. 3.* City, 1959. A 11566.
- Annexation Map — Calabasas Addition No. 7.* City, 1959. A 11634.
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- Annexation Map — Mar Vista Addition No. 7.* City, 1959. A 11702.
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- Annexation Map — El Segundo Detachment.* City, 1959. A 11933.
- Council Districts.* City, 1960. HS 253
- Engineering Districts.* City, 1960. HS 254.
- L A County Wall Sheet No. 31.* County, 1960. HS 313.
- Marina del Rey Lease — Parcel Map.* Lambie, 1960. HS 423.
- Annexation Map — Fairfax Addition No. 10.* City, 1960. A 12006.
- Annexation Map — Beverly Hills Det. No. 8.* City, 1960. A 12012.
- Annexation Map — Palms Addition No. 2.* City, 1960. A 12480.
- Annexation Map — Dominguez Addition No. 2.* City, 1960. A 12556.
- Park La Brea.* Kelley, 1960. HS 534.
- West Los Angeles & Orange County Metro Area.* Saunders, 1961. HS 264.
- West Valley.* City, 1961. HS 238.
- L A County Wall Sheet No. 79.* County, 1961. HS 333.
- L A County Wall Sheet No. 80.* County, 1961. HS 334.
- Annexation Map — Laurel Canyon Add. No. 4.* City, 1961. A 12437.
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- Annexation Map — Fairfax Addition No. 12.* City, 1961. A 12771.
- Annexation Map — Laurel Canyon Add. No. 5.* City, 1961. A 12770.
- Annexation Map — Marina del Rey Exclusion.* City, 1961. AL 1126.
- Assembly & Congressional Districts in County.* . 1962. M 457.
- Freeway System.* Auto Club, 1962. HS 251.
- L A County Wall Sheet No. 50.* County, 1962. HS 322.
- L A County Wall Sheet No. 62.* County, 1962. HS 331.
- L A County Wall Sheet No. 63.* County, 1962. HS 332.
- L A County Wall Sheet No. 89.* County, 1962. HS 335.
- L A County Wall Sheet No. 91.* County, 1962. HS 336.
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- Annexation Map — Chatsworth Add. No. 4.* City, 1962. A 13322.
- Annexation Map — Dominguez Addition No. 4.* City, 1962. A 13196.
- Annexation Map — Dominguez Addition No. 5.* City, 1962. A 13197.
- Annexation Map — Mar Vista Addition No. 9.* City, 1962. A 13257.
- Annexation Map — Carson Addition No. 4.* City, 1962. A 13269.
- Annexation Map — Dominguez Addition No. 3.* City, 1962. A 13271.
- Annexation Map — Calabasas Addition No. 10.* City, 1962. A 13441.
- Annexation Map — Beverly Hills Detach No. 7.* City, 1962. A 13273.
- Annexation Map — Sunland Addition No. 8.* City, 1963. A 13436.
- Annexation Map — Lomita Addi-*

- tion No. 8.* City, 1963. A 13437.
Annexation Map — Culver City Detach No. 3. City, 1963. A 13453.
Annexation Map — Sunland Addition No. 9. City, 1963. A 13568.
Annexation Map — Sunland Addition No. 7. City, 1963. A 13608.
Annexation Map — Beverly Hills Detach No. 7 & Fairfax Addition No. 13. City, 1963. A 13591.
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Annexation Map — Bristol Avenue Inclusion & Montana Avenue Exclusion. City, 1964. A 14126.
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Annexation Map — Sunland Addition No. 10. City, 1965. A 14577.
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Book and Atlas Reviews

edited by

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Weather America: the Latest Detailed Climatological Data for Over 4,000 Places - with Rankings. Milpitas, CA: Toucan Valley Publications, Inc. 1996. xvi, 1,412 p. \$99.95. ISBN 1-884925-60-X.

Weather America has already been named a *Library Journal* "Best Reference Book of the Year," and it's easy to see why. The intent of the work is to give, for 4,158 (out of a possible ca. 10,000 total stations) places in the United States, weather information in thirteen different categories, for the time period 1965-1994. The information is intended for general users, not for climatologists or atmospheric scientists. The volume begins with a succinct (eight pages) introduction; the reviewer wishes that definitions for "heating-degree days" and "cooling-degree days" had been included but that is a minor omission. The volume is alphabetical by state; within each state, there is a narrative summary from the venerable Federally-produced pamphlets, *Climatology of the United States* (no. 60), followed

by two indexes (stations alphabetically by county; states numerically by elevation with lowest elevation first), a map or maps (reproduced from Federal maps, and showing all stations, not just the ones with information given in this volume) to show the location of stations, and then — the bulk of the publication — the tables, alphabetical by station name with the elements given for each month of the year and as an annual total, followed at the end of each state with summary tables for January minimum and July maximum temperatures, annual precipitation and annual snowfall. The volume ends with a three-page "United States Rankings," giving January minimum temperature (lowest; highest), July maximum temperature (lowest; highest), annual precipitation (lowest; highest), and annual snowfall (lowest; highest; does not include stations that receive no snowfall). Data was derived from digital data obtained from the Federal government. Stations and data elements were respectively chosen on the basis of having the largest number of data categories for the thirty-year time span, and having the broadest

possible use by the largest number of users. There are seven temperature measures: maximum; minimum; mean; days with maximum equal or greater than 90 degrees Fahrenheit; days with maximum temperature equal to or less than 32 degrees; days with minimum temperature equal than or less than 32 degrees; and days with minimum temperature equal than or less than 0 degrees, heating-degree days, cooling-degree days, and four precipitation measures (total precipitation; days with precipitation greater than or equal to 0.1 inch; total snowfall; days with snowfall greater than or equal to 1 inch of snow depth).

Publications with which to compare it are most obviously the publications of the National Climatic Data Center (NCDC; or its many other names over the past fifty years), weather available over the World Wide Web, and *Encyclopedia of Weather and Climate* (New York: Oxford University Press, 1996). The latter is a work based on a completely different concept — that of a listing of terms with explanations, rather than a list of statistics.

Weather available over the Web tends to be for weather of a given location during the current time period with predictions for possibly a week in advance, and is extremely helpful for the traveler. The reader is referred to NCDC's excellent Website, <<http://www.ncdc.noaa.gov>>, as one example of weather available over the Web; there are many more (e.g., <<http://www.weather.com>>).

Comparing it with all the publications of the NCDC would be an heroic job that would take more space than is appropriate for the job; just a brief glance at the NCDC list of climate publications on its Webpage comes up with more than forty. Instead, looking at the major publications of the Center is a more sensible route to take. First, take a look at *Climates of the States, a Practical Reference Containing Basic Climatological Data of the United States* (Port Washington, NY: Water Information Center, 1974). This is the same general idea, in a more elderly publication, but with differences; for each state, one has a climatic summary, bibliography, statistics (freeze data; normals of temperature and precipitation; means and extremes of temperature and precipitation), and maps (e.g., snowfall; maximum temperature in January; minimum temperature in January; maximum temperature in July; minimum temperature in July; mean annual precipitation; stations showing type of data collected). Because of the difference in year of publication - 1974 as against *Weather America's* 1996 - the two dovetail rather nicely. There are also Climatological Data (by state, monthly;

temperature and precipitation, monthly and daily figures; soil temperatures; evaporation and wind; station index; reference notes; maps for U.S. as a whole and for the state in question, for temperature and for precipitation) and Local Climatological Data (by station; monthly; temperature and precipitation information; reference notes; observations at 3-hour intervals; etc.).

No one publication can satisfy every question from every level of user. *Weather America* is intended to answer the bulk of the general-user questions, in either public or academic libraries, about weather for a specific location, that reference staff so frequently field. For more detailed queries, or for the professional user, other publications will be needed.

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Ogilvie, Bruce C. *Joggery of the U.S. of A.* Illustrated by Gayle A. Seldon. Vernon Hills, Ill.: B.C. Ogilvie, N.D. Unpaged. 2 1/4" x 2 1/2". \$33.00.

Olde Tyme Geography. Vernon Hills, Ill.: B.C. Ogilvie, 1997. 53 p. 2 3/4" x 3 1/8". Price not known. [Order both from: Chanticleer Press, 1235 N. Streamwood Lane, Vernon Hills, IL 60061-1224].

Map librarians weary of wrestling oversized atlases will find overcompensation in these miniature volumes. Unfortunately they will also find correspondingly little of substance within. Ogilvie, apparently a retired geographer, has in the first book assembled a collection of quizzes such

as "In which states are these mountains located - Boston, Berkshire, Catskill, Olympic, Quachita?" and "Name five states that have part or all of their northern boundary on the 49th parallel of North Latitude." The answers are found on fold-out adjacent leaves.

The second "book" is photographically reproduced, but seriously reduced in size, selections from Rosell C. Smith's *Quarto Geography of 1848*. Included are lessons on geographical definitions, divisions of land, divisions of water, artificial divisions (latitude, longitude...), and religion and state of society. The latter has such definitions as "The pagan or heathen religion is a system of idolatry, whose objects of worship are the sun, moon, stars, and various images." Sample questions are given following each section. There are even a few very general maps.

Under "State of Society" are found such statements as "Savage or barbarous nations live in miserable huts or caverns. They wander in vast hordes, and subsist chiefly by hunting, fishing, and plunder," and "Enlightened nations differ from civilized, in carrying arts, sciences, and literature to a greater degree of perfection. Among them the female sex occupy their proper position in society."

These books are directed at collectors of miniature books, and as such they have their place. The craftsmanship in these books, especially the bindings, is quite good. For geography and map librarians they are mere curiosities.

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Oswald, Diane L. *Fire Insurance Maps: Their History and Applications*. College Station, Texas: Lacewing Press, c1997. 102 p. \$9.95. LC: 97-94262 ISBN: 0-9659698-0-0

The book opens with a brief history of fire insurance mapping and its major publishers. An interesting chapter, "The Making of a Map," summarizes production aspects from field surveying, through lithography, coloring, shipping, correcting, and sales. Accounts from field surveyors and others in the industry are allotted two additional chapters; these give a real feel for the interesting and sometimes hazardous job of gathering map data. The concluding parts chronicle the demise of the industry, the dissemination of its products to libraries and other users, Library of Congress copyright deposits and subsequent distribution, microfilming, and current uses by scholars and researchers. Appendices contain a chronology of milestones in fire insurance mapping and a selected list of vendors. It is sturdily paper-bound, but will be difficult to rebind, should that become necessary, because of very narrow gutters.

The work is written in an engaging style. Its retelling of the history of the companies and major individuals is interesting, but adds little, if anything to already available information. What some readers will find new are the personal stories of surveyors and others, much of which is reprinted from a Sanborn Map Company house organ the *Sanborn Survey*, and the actual details of its map production and dissemination.

The fifteen illustrations, for the most part, are good, legible reproduc-

tions of portions of insurance maps. One (of Charleston) covers the entire map, but is reduced too much for readability. Two amusing cartoons from the *Sanborn Survey* are also reproduced, along with two modern drawings.

The weakest part of the book is its one-page bibliography of fifteen (or sixteen) entries — it isn't clear which. The first citation, for an essay, omits the publication in which it appears (for the record, it's the introduction to *California Warehouse Book; Fire Map of Chico*. San Pablo, CA: Vlad Shkurkin, 1983). The second entry is later duplicated. The title of Ristow's classic article (listed below) is erroneously cited as "U.S. Fire Insurance Maps, 1852-1968." The entries apparently are in random order, and vary wildly in style and completeness of data (e.g., journal articles without pagination). Readers trying to run down some of these titles (the major purpose of a bibliography, after all) will have a frustrating task ahead of them.

The two page index is rudimentary. It contains entries for subjects (including publishers), but unfortunately does not index any of the authors or topics of the interesting anecdotal stories. It contains an error under "Microfilm" making it appear that the two subsequent entries are subtopics of it.

Verifying all the facts presented in the work is clearly beyond the scope of a review, and would be difficult in any case since the work is not footnoted. However, it appears that not much of the sloppiness of the bibliography is evident in the rest of the work. A few obvious errors or omissions are readily apparent. For example, differing names are given for the 1889 name change of Sanborn: page 17 correctly

states the name became "The Sanborn Perris Map Company, Limited," while page 25 states it became "The Sanborn Perris Company." The selected list of vendors includes neither the Sanborn Map Company nor its parent E Data Resources Inc.

With a bit more care, this could have been a valuable work. As it is, it can be recommended only for collections with the very strongest interests in fire insurance mapping or the history of North American cartography, particularly field surveying, production and marketing. It might prove useful in libraries needing a popular, although somewhat flawed introduction to the topic. Most libraries can safely rely on previously published works, particularly Ristow's article, and *Fire Insurance Maps in the Library of Congress: A Checklist* — the preface and introduction of which are available on the web at: <<http://www.lib.berkeley.edu/EART/snb-intr.html>>

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Ristow, Walter W. "United States Fire Insurance and Underwriters Maps, 1852-1968." *Library of Congress Quarterly Journal*. 25 (1968): 194-218.

Library of Congress. Geography and Map Division. Reference and Bibliography Section. *Fire Insurance Maps in the Library of Congress: Plans of North American Cities and Towns Produced by the Sanborn Map Company: A Checklist*. Washington, D.C.: Library of Congress, 1981.

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Axion 3D World Atlas.

Edmonton, AB, Canada: Axion Spatial Imaging, 1997. 1 CD-ROM, User Manual, 33 pp. ISBN 1-896896-01-4. Price \$69.95 CDN/\$49.95 US

The system requirements for running Axion's *3D World Atlas* are: an IBM compatible PC with at least 11 MB available for a minimum installation and 35 MB for a typical installation. You'll need a CD-ROM drive with at least 4X speed and a video card capable of greater than 256 colors and at least 800 x 600 pixel resolution. 15 or 16 bit color is recommended. Although it will run on a system with 8 MB of RAM, a Pentium with 16 MB or more of RAM is recommended. You'll also need Windows 95, and a mouse, trackball, or other pointing device. Once installed you'll still need 20 to 30 MB of free space on your C drive.

Though my own computer is not able to run this atlas, I did have a chance to spend about four hours working with it on a desktop system and also watched a Florida high school teacher install it on his laptop and put it through a good test run.

As a not very computer literate person, I may not have been the best choice to review this CD-ROM atlas but it has fallen to me to do so. Because of this, I have leaned heavily on the user manual to ensure correct wording or phrasing of descriptions for what I observed or "achieved". I have used at least six other computer atlases dating from 1992 to 1997, including early versions of Automap, PC Globe Maps and Facts, Global Explorer, and MS Encarta 97 World Atlas. This atlas looks, feels and reacts differently to any of the above.

It is a different and marvelous approach to viewing planet earth. Some of the technology utilized in this atlas was developed by Axion in order to produce special effects for a movie entitled "Congo", released in 1995, for which topographic maps of Ruanda and Burundi were digitized to produce a virtual landscape. On May 6, 1998, Axion was presented the Canadian Software Systems Award by the Canadian Information Processing Society for development of this interactive CD-ROM publication. This is a splendid product which promises to get even better, and a teaching tool of enormous power.

The Atlas opens with a "Home Office" which includes on the desktop: a modem which will connect your Web browser to Axion's URL address from where you can access information on products, updates and promotional information; a notepad which will initiate an e-mail to Axion's e-mail address; an image of a laptop PC with startup and quit functions for the *3D World Atlas*; a coffee cup which will initiate a geographical trivia game; a cup of pencils which prints a software registration form; business cards which are links to help pages for Axion and *Worldsat*; and a pile of CD-ROMs which will link you to information about other Axion products.

The key map is the two-dimensional *Worldsat* composite enhanced satellite image of the world at 1 km resolution with which most of us are now so familiar. The top menu bar includes five options, 2D view, 3D view, Statistics, Flyby, and Globe. Choosing 3D view you will clip out a rectangular area from the 2D map and view it in 3D perspective. Choosing "Statistics"

gives the user the option of extracting from the statistical data base (the *CIA World Databook*), information in the form of 3-dimensional bar charts, tables, or 2D color-coded maps. "Flyby" will have the user choose any starting point in the world from the 2D map and launch a real-time interactive flyby. If "Globe" is chosen, a rotating globe appears on which various data sets may be displayed, such as monthly temperature or precipitation changes, or orbital tracks of satellites around the earth.

A bottom menu bar contains another set of functions including, under options, the ability to update the software. The most interesting and most frequently used set of options are on the side menu bar. Quoting from the user manual, "Every time you change the view type using the top menu bar, the menu of options on the right hand side will change. These commands are specific to each of the view types."

When an area is chosen for a closer view, it first appears as satellite imagery. From the side menu bar you may also choose to view it as a shaded relief or shaded elevation map, or as shaded satellite imagery draped over the landscape. To the chosen image you may then add a variety of roads, railways, rivers, city boundaries and borders but only to the state or provincial level in the cases of the United States and Canada. I was disappointed that at larger magnifications a blurred image was produced due to the satellite imagery not matching the detailed overlays. The user manual explains that this is due to pixel size. The company assures me that as higher resolution satellite

imagery becomes more readily available it will result in a more refined 3D Atlas product. There are different maximum scales available in different parts of the world. When I selected Chernovtsy in Ukraine as the center of my image, I was able to obtain a somewhat fuzzy image at a scale of 1:626,449. When I tried to reduce this to 1:1,000,000 to see if I could clarify the image, the system told me this was "out of range". I did this by using the "map scale" option in which I told the system the scale at which I wished to view the chosen area. When I looked at an area centered on Dubuque, Iowa, the maximum scale I could achieve was 1:1,000,000. According to the user manual, maximum zoom is 1:220,000. I did not confirm this by practice.

You may search for place names from a database of over 1.6 million populated places and show them on the map. There are also different categories of names such as mountains, oceans, rivers, etc. which can be added to your map. A "measure" feature allows the user to measure the distance between multiple points on the map in either miles or kilometer. Similarly, elevations may be shown in feet or meters. "Options" on the side menu bar in the 2D view allows one to pick the color scale to be used when showing the shaded elevation data while "legend" will display the color key for the different overlays on the map, as well as indicating the symbols for cities and airports.

This is not a seamless electronic atlas in the way of Global Explorer. Panning is achieved by moving the cursor to within 15 pixels of any edge of the map and clicking the left

mouse button. The map will pan 80% of the width or height of the screen in the direction indicated. The arrow keys on the keyboard will do the same thing.

To me, one of the "coolest" features is the indication of north at whichever point your cursor is located. The side menu bar in 2D view shows a compass on which a long arrow indicates 'true north' and a small arrow points toward 'magnetic north'. Another feature is the continuous indication of current latitude and longitude of the cursor location. "If you click on that panel showing the current latitude/longitude location of the mouse, you get a window which allows you to specify an exact center point to zoom in to on the world map."

When you choose 3D view and clip out an area to view in this way, you get a tilted block on the screen. The image is rotatable. Options here include "aspect", to show which direction a part of the terrain is facing; "slope", showing how flat the terrain is; "elevation", which color codes the terrain model based on height; "shaded relief", which uses gray shades to enhance drainage and other features; "details", which allows you to include any of the map details which were turned on when you clipped out this piece of terrain. It is also possible to produce cross sections from these terrain models simply by clicking on two locations on the model. The cross section will appear in a view screen below the model and allows the user to adjust the vertical exaggeration.

While in 3D view, you may also wish to choose to view a panorama. By choosing a location from which you wish to view, and a direction in which to look, you can choose a field of view

and produce a panorama as if you were standing at your chosen location, or anywhere up to 6000 meters above that location in an aircraft or balloon.

Floods may be simulated in both 3D and 2D views by choosing from a pop-up window, to raise the water level by use of a slider on the color scale. Alternatively you can instruct the program to raise the water by a specified depth, say for example ten meters above sea level. This would show what urban areas, roads, etc. would be flooded. In this age of global warming this is an interesting and educational aspect of this software.

The globe offers a choice of satellite imagery, shaded elevation, shaded relief, land or ocean vegetation (each with monthly changes), cloud cover (monthly averages), average monthly precipitation (in millimeters per month), and monthly changes in temperature. There is also in-depth information on each type of satellite circling the earth and the orbits may be drawn on the globe (about fourteen groups or families of satellites including the Mir space station). It is also possible to find out which satellites are overhead at a particular time and date for any location on the surface of the globe. You may change the angle at which you view the globe so that there are no blind spots. It is also possible to change both the direction and speed of rotation of the globe (including stop) as well as the size of the globe on your screen.

In "Flyby" mode, the user may choose a location from the world map and start to fly through the terrain

data. Five different qualitative levels of display are available depending on how long you are willing to wait while the image is drawn and the power of the machine in use. Various landscape features are available including trees, texture mapping, sky background, fog, and moving clouds. A joystick means you can decide where you want to fly, making this a totally interactive activity. I did not observe or produce a collision with the landscape so am not sure what might happen should that occur. Unlike real life, city names may appear on the surface as you fly over. Each will be located next to a windsock indicating their correct geographical location.

In "Display" mode, statistical data for different countries of the world may be shown in 2D or 3D or tabular form. Over 30 different variables may be accessed for 261 countries and regions.

Prints of several shaded relief maps obtained from home bubble jet printer are truly spectacular. Though I have not used, or even seen demonstrations of all of the new CD-ROM atlases, I do not hesitate to recommend this product to all libraries, both public and those in educational institutions at both the secondary and post-secondary levels. As paper based atlases at the high end of the market differed greatly in their approach to the depiction of the earth, so too do electronic atlases differ. This product is clearly an essential part of a home, office or institutional library which views the understanding of the earth as an essential educational element. The map library world is accustomed to seeing a variety of cartographic

presentations which complement one another by the different ways in which they present the data. In the same way, Axion Spatial Systems has presented the world in an excitingly different way, a way in which I believe more students will be "turned on" to geography and cartography, a way in which greater understanding will be gained of history, biology, ecology, settlement patterns, migration routes, military campaigns and other expressions of the man-land relationships around which our world has been shaped. In schools in the Edmonton area the atlas is finding a place in biology and social studies programs in the secondary schools and is being widely accepted in Germany. Future updates to the product will keep it at the forefront of electronic atlases.

Presently this splendid product is available in English and German. An edition in Spanish was underway in January of 1998 and other languages are planned.

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New Publications

•**Cumming, William P. *The Southeast In Early Maps.*** 3rd Edition.

University of North Carolina Press, 1998. \$90.00 ISBN 0-8078-2371-6 (announced on MAPS-L 11 May 1998 by Johnnie D. Sutherland)

•***Maya Atlas: The Struggle to Preserve Maya Land in Southern Belize*** / compiled by the Maya people of southern Belize; with the Toledo Cultural Council and the Toledo Alcodes Association; with the assistance of Indian Law Resource Center,

GeoMap Group, UC Berkeley, and Society for the Preservation of Education and Research. Berkeley, CA: North Atlantic Books; Emeryville, CA: Dist. to the book trade by Publishers Group West, 1997. \$25.00 ISBN 1556432569 OCLC 36993632 LC 97-15801/MAPS (announced on MAPS-L 22 May 1998 by Miriam Kerndt)

•**Index to *Cartographic Journal*, Volumes 1-33**

The British Cartographic Society has now published its Index to Volumes 1 to 33 of the *Cartographic Journal*, covering 1964-96. The 160 pages include a comprehensive subject index, and lists of authors and articles. It's not available on the internet! Prices are as follows (and they include postage, packing and shipping):

In UK: 15 pounds

Elsewhere in world: 20 pounds

Orders (checks payable to 'The British Cartographic Society'; payment in sterling is preferred) to:

Dr T.A. Adams (BCS Publications)
c/o Laser-Scan Limited
Cambridge Science Park
Milton Road
Cambridge
CB4 4FY
United Kingdom

•**New map of Mozambique**

Mark Zannoni has released a well-researched transportation map of Mozambique, full color, 12 x 18 in., showing roadways, railways and airports (ISBN 1-889748-05-6) \$17.95. Available from Cleveland Map Company, 322 West 14th St., Suite 1B, NY, NY 10014-5021. Mark is also the author of the *Visitor's Map and Guide to Cleveland*. For more info about either map see

www.clevelandmap.com or e-mail info@clevelandmap.com. (from posting to MAPS-L 1 May 1998 by Maureen Farrell)

•**Dartmouth Atlas of Health Care**

Information at: <http://www.dartmouth.edu/~atlas> Reviewed in *The Professional Geographer* v.49 (May '97) p. 267.

•**Larsgaard, Mary. Map Librarianship.** 3rd ed. Englewood, CO: Libraries Unlimited, 1998. 487p.

"The major change is the addition of the digital world to all chapters. The least changed by far is the chapter on classification, which has very little different from 2d ed. Everything else and especially selection/acquisition has additions and changes. Also, as with the 2d ed., I have deleted some cataloging-history pages. Some of the appendices have disappeared — not needed, due to that superb publication, *Information Sources in Cartography*," from a posting by Mary Larsgaard.

New Digital Publications

•**CensusCD+Maps Revolutionizes Demographic Mapping**

East Brunswick, NJ. 3/31/98

GeoLytics announces the release of CensusCD+Maps — a demographics and mapping software product combining 50 gigabytes of data with advanced thematic mapping capability.

CensusCD+Maps lets anyone create colorful thematic data maps, down to the neighborhood level of census block groups, with no mapping or GIS experience required. All of the data, boundaries, and software to create results are on the one disc.

CensusCD+Maps eliminates the hassles of importing data and boundaries required by most mapping software.

The one Windows (95, NT, or 3.1x) CD-ROM of CensusCD+Maps provides:

- Estimates (1997) & Projections (2002) of Demographics (65 variables for each year) and Consumer Spending (32 product categories for each year) for 5 geographic levels (block group, tract, zip, county & state)

- 1990 Census (STF-3) demographics, over 3,400, for each of 375,000+ geographic units including block groups, tracts, and zip codes

- Integrated Thematic Mapping with complete boundaries (from Tiger 95) down to block group geographic level.

A built-in map viewer creates and displays thematic maps of .DBF files generated by the program. The process is seamless for the end user. Maps are easily customized (themes, colors, ranges, scales, etc.) on the fly. A virtual variable calculator lets user perform mathematical functions (incl. Boolean) then automatically maps results. Viewer exports boundaries in ArcView & MapInfo, and maps as BMP. It thematically maps any imported .DBF file with an appropriate area key.

- County Time Series Statistics - 3,000+ variables in 26 categories for all 3,141 US Counties. Data is from US Govt. Agencies on topics such as Federal Spending (AFDC, SSI, Grants, Contracts, Payroll, etc.), Crime (FBI stats), Agriculture, Business (types, earnings, employment, payroll), Banking, Building Permits, Vital Statistics (births, deaths, etc.) and much more.

- Historical Census Counts (Total Population 1790 - 1990) by US County

- Geocoding of an address to its corresponding census block group to extract neighborhood information. Also allows for radius reporting around a specific address for any number of miles

GeoLytics first product, CensusCD 1.1, holds the complete results of the 1990 US Census long form (STF-3), originally issued on 67 CDs.

GIS World noted in a March, 1997, review of CensusCD 1.1, "Performance of the demographic queries is outstanding. If all databases of this size running on CD-ROM performed this well, the information systems world would be a much better place." GeoLytics improved its compression technology to guarantee CensusCD+Maps lives up to the same performance standards.

The *Library Journal* noted on June, 1998, review of CensusCD+Maps, "We highly recommended an earlier edition of this disc (CD-ROM Reviews, *LJ* 8/97). The question is, could it be improved? Indeed, it can be! Did somebody say maps? Yes, this release now allows you to create maps. It is still amazing to us that 75 CD-ROMs of data have been compressed onto one disc and can be searched so efficiently and quickly. We ran this disc on a machine with 16MB of RAM and a 133 MHz processor, and it had no problems. This disc also includes 1997 estimates and 2002 projections for Block Groups, Tracts, Zips, Counties, and States. Bottom Line: Once again, this is a must-buy. All libraries with the earlier release will want to upgrade."

GeoLytics sells CensusCD+Maps directly for \$249.95 for a single user license; \$750 for LAN/CD-Tower

license. Please visit the web site at http://www.censuscd.com/cdmaps/censuscd_maps.htm for more detailed information.

GeoLytics can be reached at 800-577-6717 or by e-mail at info@censuscd.com.

(from Craig Cornelius)

•New product from Hydrosphere Data Products.

The GIS Resource Compendium is available for 10 separate regions throughout the US. It is composed of two parts.

Part One — GIS Coverages

Coverages are provided in coordinates measured in decimal degrees compatible with ArcView, PC Arc/Info, and MapInfo. They are:

State and county boundaries (1:2M)
USGS Daily and Peak streamflow station points.

NCDC Daily, Hourly, and Quarter-hourly station points.

EPA Storet water quality station points.

USGS Hydrologic Unit Polygons (1:2M)

EPA River Reach Vectors (1:500,000)

Part Two — Streamflow, Climate, and Water Quality Station Info

Information consists of station information (e.g., name, location, type) and measurement summaries (e.g., parameter type, years of available data, and avg., max., min.) Contains all stations reporting.

NCDC Summary of the Day daily precip., evap., snowfall, and temp

NCDC Hourly precip., and quarter-hour precip.

USGS Daily & Peak streamflow, stage, and water temp.

EPA STORET Water Quality

All underlying raw data and summary statistics are available on separate titles from Hydrosphere Data Products.

GIS Resource Compendium Regions

Region 1 CT, MA, ME, NH, RI, VT

Region 2 NJ, NY, PR, VI

Region 3 DC, DE, MD, PA, VA, WV

Region 4 AL, FL, GA, KY, MS, NC, SC, TN

Region 5 IL, IN, MI, MN, OH, WI

Region 6 AR, LA, NM, OK, TX

Region 7 IA, KS, MO, NE

Region 8 CO, MT, ND, SD, UT, WY

Region 9 AZ, CA, HI, NV, PI

Region 10 AK, ID, OR, WA

To place your order simply send an email to cjb@hydrosphere.com with the Regions you've selected. Or you may call Chris Berry at 800-949-4937, or fax to Chris at 303-442-0616. They accept the following forms of payment.

VISA\MC

PO #

Company Check

Personal Check

Ask to be billed.

(from Chris Berry, 5 Jun 1998)

•Terra-Server

The world's biggest atlas soon will be at the fingertips of Web users.

Starting June 24, Internet surfers can view parts of the world from nearly any angle, thanks to a joint research project between Microsoft Corp (MSFT), Digital Equipment Corp. (DEC), the U.S. Geological Survey, Eastman Kodak Co. (EK) and others.

Because the pictures will offer only one-meter resolution, viewers will be able to identify homes and cars, but not people.

Through the project — known as the Terra-Server — users will be able to view vast images of the entire earth or pictures of detailed slices of their hometown. They can rotate them, zoom in and out, and navigate across them.

The database will contain more than 7 million square kilometers of the urban world, gleaned from satellite images of the U.S. Geological Survey and the Russian Space Agency.

Because the pictures will offer, at the sharpest, only one-meter resolution, viewers will be able to identify homes and cars, but not people, according to Microsoft research papers on the subject. No URL has been assigned yet.

Test of heavy-duty technology Microsoft is undertaking the project as it marches into the heavy-duty database market. The company is hoping to prove that a combination of its Windows NT, SQL Server and other technology can deliver information from a database that contains more than one terabyte — or 1,000GB — of data. If all of the data were bound into a printed atlas, it would consist of 2,000 volumes of 500 pages each, the company said. Microsoft eventually plans to turn the project over to the government.

Microsoft said the site will be useful to students doing research projects, map makers, and builders. Web surfers can view the pictures for free but will have to pay to download higher-quality copies of them.

(posted to MAPS-L 12 Jun 1998 by Virginia R. Hetrick)

Periodicals

NSGIC News

We are currently accepting:

- articles
- state activities updates
- special announcements
- research findings
- suggested resources
- notable quotes

or, any other information you'd like to see published in the June issue of *NSGIC News*, the official newsletter of NSGIC, read by over 900 GIS professionals worldwide!

Please submit newsletter tid-bits to the Editor, Bill Burgess via:

e-mail: wburgess@dnr.state.md.us

fax: 410-260-8759

address: Geographic Information Services, Dept. of Natural Resources, Tawes State Office Building D-2, 580 Taylor Avenue, Annapolis, MD 21401-2397

(from a posting to NSDI_L 11 Mar 1998 by Kat Barrell)

Websites

•Kevin & Tamie Hyde have created **Official City Sites** at <http://OfficialCitySites.org> to provide a quick reference to all of the "Official" (or near official) City, County and Country sites on the web. (from an email sent by the Hydies 11 May 98)

•There is information about **US topographic maps on CD** (and on the web for a few states) at: <http://mcmcweb.er.usgs.gov/drg/> plus <http://sundid.er.usgs.gov/drg/> which has links to similar product information.

For New York State specific topographic maps in digital (raster) form, see the New York DOT site at:

http://punch.dot.state.ny.us/magis/digital/dig_quad.html

(from a posting to MAPS-L 16 May 1998 by Charles Hickman)

•Boundary Litigation Group Web Page

The Boundary Litigation Group at GeoSystems has released the first version of our web site. To log on, go to <http://blg.geosys.com> Currently the site gives a brief description of our group and services offered, along with samples of recent mapping assignments. We will be expanding the site in the near future, so be sure to check back with us. (from posting to MAPS-L 08 May 1998 by Heidi Austed.)

•Watershed maps

Watershed (hydrologic unit) boundaries are available online via the URL provided by Terry Higgins: <http://water.usgs.gov/public/GIS/huc.html> at both 1:250,000 and 1:2 million scales. The data is in both Arc/INFO export format and SDTS format. (from a posting to MAPS-L 27 May 1998 by Charles Hickman)

•Online vegetation maps checklist

A checklist of online vegetation maps has been compiled by Claire Englander (University Herbarium, University of California, Berkeley) and Phil Hoehn (Branner Earth Sciences Library and Map Collections, Stanford University) and is available at: <http://www-sul.stanford.edu/depts/branner/vcgmaps.htm>

The list is arranged by area (world or continent, then subdivided by region or country name, and when necessary subdivided by smaller areas). The map (or atlas) titles are "hotlinked." All titles showing vegetation distribution (e.g., forested areas, vegetation types, maps of individual family, genus or

species distribution) were included. The compilers quickly learned that few maps are easily found via Internet search engines using the term "maps." Rather, they are pages within a website, and oftentimes a page within a chapter of an electronic paper.

The compilers hope map users will find the checklist useful, and news of additional sites or about any URLs no longer working. (Posted to MAPS-L 1 June 1998 by Phil Hoehn)

•New mapping feature on Govinfo website

We have a new feature available on the Government Information Sharing Project Web site (<http://govinfo.kerr.orst.edu>). GIS Choropleth Maps are now available for selected variables in the "USA Counties Database." Select "Area Comparisons - Graphical Options" from the USA Counties start page to view a graphical representation of the data on a county-by-county comparison.

Please direct any questions or comments to: weblist@govinfo.kerr.orst.edu (Posted to GOVDOC-L June 10, 1998 by Carolyn Ottow; forwarded to MAPS-L by Linda Zellmer)

•Address for TerraServer sample: <http://www.research.microsoft.com/terraserver/> (from posting to MAPS-L 15 Jun 1998 by Jeff Kosokoff)

•New GIS/GPS Web Site

Attention GIS/GPS developers and vendors: there is now an exciting new outlet for distributing your company's GIS/GPS products/services on the Web. We are happy to announce that AppsData/Geomart will begin serving customers July 1.

We would like to become a central location for distributing all GIS/GPS related software on the web. We are interested in distributing your products whether you are a large GIS company or a developer with one application.

Visit the site today at <http://www.appsdata.com> and discover how, with no risk or fees, you can become a vendor and have another outlet for distributing your products 24-hours a day, anywhere in the world. We take a commission (less than most other distributors) on any products sold but there are NO fees for listing your products at the site (we pay for all site upkeep and advertising). AppsData.com is targeted at customers who are interested in GIS/GPS software and related products. In other words, our customers are YOUR customers!

AppsData is easy to use and segmented into logical divisions of the GIS/GPS market:

- Software Applications
- Consultant Registry
- GIS Related Job Postings
- Event Announcements
- Data Products (Opening Soon)
- Training Classes (Opening Soon)

If nothing else you'll want to list your services in our absolutely free consultants registry!

Everything at AppsData is automated, you don't need to be a computer expert to register or post products. Although we are automated and have sophisticated servers, we also recognize the value of the friendly human element so you can contact us by phone at (330) 929-1353 ext. 227 if you have any

questions, concerns or suggestions.

Kim Forbes
RCS Management Group, Inc.
2140 Front Street
Cuyahoga Falls, Ohio 44221
330-929-1353

(Posted to MAPS-L 16 Jun 1998 by Kim Forbes)

•NSDI-L Announces GPS-L

We are pleased to announce a new discussion group called GPS-L.

GPS-L provides a forum for discussion for all GPS systems and solutions.

Topics can range from GPS, GIS, Surveying, AM/FM, Cartography and mapping. It provides an arena for professionals from all over the world to share ideas and interact with other others to gain knowledge about GPS and related technologies.

To subscribe please send email to: majordomo@avenza.com In the body of the message type: subscribe GPS-L Avenza Software: <<http://www.avenza.com>>

(Posted to NSDI-L 1 May 1998 by Denise Ullman)

Benchmarks

•Stan Stevens Honorary Map Reception

The UC Santa Cruz Library Map Room held a reception June 18 in the Donald T. Clark Courtyard of the McHenry Library to honor Stan Stevens, the library's founding map librarian, and celebrate the arrival of the "Stanley D. Stevens Honorary Map," the Dibblee geologic map of Mt. Wilson, which the Western Association of Map Librarians arranged to have named in Stan's honor.

•Richard Spohn has a new email address: spohnra@email.uc.edu

State & Province News Arizona

•Metadata Is Coming

The grant awarded to the Arizona State Cartographer's Office (SCO) for a proposal titled "Establishing an Arizona Node on the National Geospatial Data Clearinghouse" is well underway. The grant was awarded by the Federal Geographic Data Committee (FGDC) Competitive Cooperative Agreements Program, and the creation of metadata has begun at the Arizona State University GIS lab. Several important tasks were completed prior to actually creating metadata.

The SCO conducted a review of available software tools used to create metadata. Nineteen tools were evaluated and five were actually tested at the SCO. Data Dictionary was selected based on seven selection criteria. Data Dictionary is an AML tool created by the Montana State Library. Links to evaluations of metadata software tools may be found on the Arizona Geographic Information Council (AGIC) website.

A two-day metadata workshop was conducted in January 1998 by the New Mexico Earth Data Analysis Center (EDAC) in cooperation with the SCO and AGIC. The workshop provided valuable information on producing FGDC content standard metadata, hands-on metadata creation, and reviewed the process of creating a metadata clearinghouse node. EDAC has already established a Clearinghouse Node and structured the training based upon their experience. Attendees included cooperators of the grant,

SCO personnel, and student interns.

Initially, metadata will be created for the Arizona Land Resources Information System (ALRIS) database. The process to create metadata involves utilizing existing ALRIS documentation and a newly developed supplemental form. The goal is to minimize the impact on personnel by providing a simple form to collect missing information. Students from Arizona State University are creating metadata using Data Dictionary.

The Cooperative Education unit of the Biological Resources Division of USGS is also in the process of creating metadata and a node on the Clearinghouse. The SCO and the Co-op unit are coordinating improvements of Data Dictionary and will be cooperating on training and metadata creation.

Registering and activating the Arizona node on the Clearinghouse is just around the corner. The node will be created once several metadata records are complete. Metadata will be added continually to the node.

U.S. Government Agency News Bureau of Land Management

•Position Description for Spatial Data Manager:

BLM Alaska State Office has the need to hire an Arc/Info software developer for the project of "Spatial Data Management System".

Scope:

BLM Alaska is involved in the largest survey and land conveyance

effort in American history. The Alaska Statehood Act (1959), Alaska Native Claims Settlement Act (ANCSA), Alaska National Interest Lands Conservation Act (ANILCA), and the Native Allotment Act of 1906 mandate BLM Alaska to survey and convey 150 million acres of land from Federal ownership to the State of Alaska, Native Corporations, and private individuals.

The automation of these survey records in a GIS system is needed for management of this survey data. The development of this Spatial Data Management System is currently underway in BLM- Alaska. Most of Alaska is not surveyed requiring this system to manage a high volume of records in the future.

This system will be developed on the IBM Risc 6000 Unix Workstations utilizing Informix Relational Database Management System and Arc/Info.

Statement of Work

The objectives are to assist BLM Alaska personnel in the design, development, implementation and documentation of an Arc/Info system that provides:

- management of BLM Alaska's spatial survey data;
- ability for intense spatial updating;
- ability for users to produce ARC coverages and DXFfiles of requested spatial information;
- the capacity to accommodate literally millions of records pertaining to approximately 19,000 townships.
- the attribute data in the Informix Relational Database Management System linked to the spatial data in Arc/Info.

Specific Tasks to be Accomplished

The contractor shall develop the ArcStorm database needed to maintain the spatial component of the survey records.

The contractor shall possess demonstrated skill in several Arc/Info packages.

The contractor shall provide documentation for programs and the system as a whole.

The contractor shall develop operating system routines to support the application. Experience in AIX or Unix system administration a plus ++.

Linda Ricketts

Alaska State Office
222 W. 7th Avenue # 13
Anchorage, AK 99513-7599
(907) 271-4645

lricketts@ak.blm.gov

(from a posting to AGIC-L 22 May 1998 by Chris English)

U.S. Geological Survey

•Principal Aquifers of the United States

The USGS has published its first completely new National Atlas map in nearly 30 years. "Principal Aquifers of the United States" was produced as part of The National Atlas of the United States of America and the National Ground Water Program.

Compiled at the 1:2,500,000 scale and printed at 1:5,000,000, the map shows the distribution of the principal aquifers that supply ground water to the United States, Puerto Rico and the U.S. Virgin Islands. The aquifer that is shown in each geographic area is generally the uppermost principal aquifer for the area. Each principal

aquifer is classified as one of six types of permeable geologic material: unconsolidated deposits of sand and gravel, semi-consolidated sand, sandstone, carbonate rocks, interbedded sandstone and carbonate rocks, and basalt and other types of volcanic rock. The general distribution of glacial deposits that contain numerous productive aquifers in the north-central and northeastern parts of the conterminous United States is also shown. Major alluvial aquifers along main watercourses are not shown.

The aquifer data will be available electronically through the National Atlas of the United States of America (<http://www.usgs.gov/nationalatlas>). The National Ground Water Atlas public web page can be found at <http://www.capp.er.usgs.gov/publicdocs/gwa>. Comments or questions on the design of this map should be addressed to Greg Allord: gallord@usgs.gov. There is also a customer feedback option on the National Atlas web site.

Requests for the "Principal Aquifers of the United States" map can be sent to USGS-Information Services, Box 25286, Denver, CO 80225 or faxed to 303-202-4693. The cost is \$4.00 per map plus a \$3.50 handling charge per order. The file number is TUS5680.

•Geologic Map Indexes and the National Geologic Map Database

The "Geologic Map Index of..." all States have been declared out-of-print and no longer available. These indexes contained geographic maps showing areas of geologic mapping and a bibliography of both USGS and State geologic publications. Many of the indexes are out-of-stock and all

have been discontinued.

The Geologic Division of the USGS is currently building a National Geologic Map database which is available on the Web: <http://ngmdb.usgs.gov>. This is a searchable catalog of paper and digital geologic maps. It can be searched by geologic theme, geographic area, author, title, and map number. When complete, the database will contain information about geologic maps produced by the USGS as well as by other Federal agencies, tribal governments, State geological surveys, local governments, academic institutions, and the private sector.

Address general questions to:

Rea Mueller

703-648-5954

FAX: 703-648-5939

e-mail: rlmueller@usgs.gov

Rea is USGS liaison to GPO depository libraries.

For questions are the National Geologic Map database, contact:

David R. Soller

drsoller@usgs.gov

phone: 703-648-6907

12201 Sunrise Valley Drive, MS 926
Reston, VA 20192

•Job: Cartographer/Geographer Research Branch Chief.

The Western Mapping Center of the U.S. Geological Survey in Menlo Park, CA is seeking a professional to serve as Research Branch Chief. This is a new position, responsible for research, development, geographic applications and computer management for the Center. Qualified candidates will have a degree in Cartography, Geography, Physical Science, Engineering, Mathematics or related field or a combination of related education and experience and at least one year of experience

which demonstrates ability to lead an organization and implement mapping programs.

(from a posting to MAPS-L 5/28/98)

•Temporary Closing

The U.S. Geological Survey Reston Library's Cartographic Information Center (CIC) and Minerals Information Collection (MIC) will close on Monday, June 22, 1998. These collections will remain unavailable until perhaps late September, when the move of the main USGS Library in Reston is completed. Limited cartographic and mineral reference service will be available from the main Library at (703) 648-4302 until perhaps early August. After that time, the main Library will be closed for its move. When the Library reopens, these collections will no longer be separate entities, but part of a unified USGS Library in Reston. All reference and information questions related to these two collections should be directed to the regular reference contacts: phone: 703 648-4302, or e-mail: library@usgs.gov

Check the USGS Library's Web pages for move and closure related updates at <http://library.usgs.gov> or call the main reference desk at (703) 648-4302.

(Posted to MAPS-L 2 Jun 1998 by Erin Donnelly)

National Science Foundation

•Digital Government Program Announcement — NSF CISE (NSF98-121)

<http://www.nsf.gov/pubs/1998/nsf98121/nsf98121.htm>

The Directorate for Computer and

Information Science and Engineering of the US National Science Foundation has released this new program announcement. The goal of the Digital Government Program is "to fund research at the intersection of the computer and information sciences research communities and the mid- to long-term research, development, and experimental deployment needs of the Federal information service communities. The Internet, which was created from a successful partnership between Government agencies and the information technologies research community, is a major motivating factor and context for this program."

The announcement suggests six possible application areas, including intelligent information integration, advanced analytics for large datasets or information collections, electronic transaction technologies, and application of information technology to federal law and regulation. Eligibility and contact information is available at the site. Proposals are due September 1, 1998 for FY 1998 and March 1, 1999 for FY 1999 and after. [JS]

(Posted to AGIC-L 05 Jun 1998 by Robert MacArthur)

National Climatic Data Center

•Online Document Library

The National Climatic Data Center is providing no charge access for the Federal depository libraries to access the Online Document Library located at <http://www5.ncdc.noaa.gov/pubs/publications.html>. Libraries may access the Monthly Climatic Data for the World, Storm Data, and Local Climatological Data via this con-

trolled access site. The user must be in the library to access the database, and libraries must protect the passwords.

At this time there is not a limitation on the number of concurrent users able to access the database. Please use "noaa" for the user ID and "noaapub980" for the password. If you have problems accessing the database using the passwords, please contact staff in the Depository Administration Branch at (202) 512-1071, or by email at rhaumohamed@gpo.gov.

The Adobe Acrobat Reader is required to view/print these PDF files. Many of the files are quite large (over 5 Megabytes), so please be sure to review your request before you begin the download. GPO continues to work with NCDC to develop a CD-ROM product to be distributed to the depository libraries, but it has not yet been completed.

The publications available from this site included:

-Monthly Climatic Data of the World (MCDW):

This publication contains monthly mean temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

-Storm Data (SD):

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights

severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

-Local Climatological Data (LCD):

Summarizes temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Most monthly publications also contain the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes. Please see LCD listing of Published stations for a listing of valid stations and dates for LCD publications.

(Posted to GOVDOC-L 8 Aug 1998 by Diane Eidelman; reposted to AZDOC-L 8/10/98 by Janet Fisher)

White House

•Public Access to Military Data and Technology

To help increase our understanding of marine life, and to enhance weather forecasting and climate change research, and identify valuable ocean resources, Vice President Gore is announcing the declassification and release of secret and restricted Navy data. The Department of Defense also will produce computer-based nautical charts replacing the paper charts used by mariners for centuries — a significant advance in marine safety.

Declassifying Secret Data. In support of its military missions, the U.S. Navy has long gathered vast

amounts of ocean data. Much of this data is of important scientific and commercial value. It can be used to track the migration of fish and marine mammals, uncover illegal fishing activities, forecast underwater earthquakes and tsunamis (tidal waves), and understand long-term climate patterns. In response to the Environmental Task Force launched by Vice President Gore while in the U.S. Senate, the Navy is reviewing and releasing large quantities of data:

The Navy has signed an agreement with a private foundation to create a mechanism to declassify secret data from the Sound Surveillance Systems, an array of underwater listening devices used to hunt submarines. The acoustical data can be used to track whale migrations, predict natural catastrophes and support climate change research.

The Navy also is releasing data on ocean temperature and salinity levels collected by Navy submarines on patrol under the Arctic ice cap. Combined with declassified data from other oceans released by the Navy in recent years, this new information completes a global data set that will be a valuable tool in researching long-term climate change.

Computer-Age Nautical Charts. Over the next five years, the Defense Department's National Imagery and Mapping Agency will prepare for military use purposes a series of computer-based charts for most of the world's oceans and coastal waters. Digital Nautical Charts covering virtually all areas of commercial shipping activity worldwide will be available by 2002.

Used in conjunction with the

Defense Department's Global Positioning System, this new technology is considered by many the greatest advance in safety at the sea since the introduction of radar. It will allow mariners to move cargo more efficiently through ports worldwide while minimizing the risk of collision and environmental harm.

Supercomputer Weather Forecasts. The Navy employs one of the nation's ten largest supercomputers to provide highly accurate and localized forecasts of battleground weather conditions.

Under a new agreement, the Navy will work with the National Oceanic and Atmospheric Administration to assess whether these techniques can be used to improve the prediction of severe weather over the United States.

(June 12, 1998, press release from The White House Office of the Press Secretary)

News

•ICON Land Services and Geografx Establish Joint Venture for Mexico Digital Maps

Hermosillo, Sonora, Mexico, April 8, 1998: ICON Land Services, Inc. has teamed with GeoGRAFX of Tucson, Arizona, to offer its international mining, pipeline, and real estate clients 1:50,000 and 1:250,000 INEGI index map, geologic and topographic maps in digital format.

INEGI Index map. Information is captured from the INEGI 1990 Index to Geographic Information. Each map outline is located in decimal degrees and includes the map ID, map name and types of maps available for that particular scale. Data formats include ArcView .shp, Atlas .agf, and MapInfo .mif.

INEGI Raster Maps. The INEGI 1:50,000 and 1:250,000 base maps are scanned as a 24-bit color image at a minimum resolution of 500 dots per inch (dpi). The RGB image is then viewed, and georeferenced to points at the corners of the maps. The image is then resampled to 250 dpi and converted to an 8-bit color image to reduce the file size to approximately 66 megabytes. The resulting image is saved in a TIFF file format and the georeference points as .tfw and .tab files.

INEGI Vector Maps. Map features are derived from scanned images of the INEGI 1:50,000 and 1:250,000 base maps. The scanned images are converted to vector format and the geo-referenced information is then coded to reflect requested information. Tic marks are included to represent corner points of the original maps. Data formats include ArcView .shp, Atlas .agf, MapInfo .mif and AutoCAD .dxf.

Volume discounts are available. All products are copyrighted and not for resale at the above referenced prices.

ICON Land Services, Inc. is a U.S. based international corporation with offices in Hermosillo, Sonora and Tucson, Arizona, specializing in property acquisitions for individuals and companies active in the communication, mining, pipeline, real estate and utility industries.

GeoGRAFX, based in Tucson, Arizona, provides technical graphics services and products to companies requiring illustration, drafting, digitizing, digital imaging and manipulation, and web site design.

(Posted to MAPS-L 27 May 1998 by Barbara Carroll)

•Reuters' reports that a copy of **Ptolemy's Cosmographia** stolen from France's National Library last year was recovered in England, where it had been listed for sale at London planned by Christie's.

(from a posting to Library Security Officers List Serv (LSOlist); reposted to AZ.DLAPR-L 1 Jun 1998 by Michael Carman)

•For those who **collect stamps** with maps on them, in 1898, Canada issued the first Christmas stamp. It had a map of the world, showing the British Empire in red (what else). Within the last few weeks, Canada Post has issued a commemorative celebrating the 100th Anniversary of the Imperial Penny Postage. The 1898 British Empire map is again featured.

(Posted to MAPS-L 15 Jun 1998 by Ronald Whistance-Smith)

•**1999 map calendar from NYPL/Pomegranate**

Just to let you all know, the 1999 NYPL calendar is out, "The Art of Cartography," featuring 4 maps from the Lawrence H. Slaughter collection, 2 from the Special Collections dept., and 6 more from the Map Division, including two from our huge Samuel Thornton Sea Atlas, including a color version of the Halley magnetic declination map.

Look for it in your favorite major bookstore, or even your local mapstore. It is not yet in the Library shop, here at 5th and 42, but should be within the next week or so.

(from a posting to MAPS-L 11 Aug by Alice Hudson)

•**Canadian Bird's Eye views**
The Historical Maps Committee of the Association of Canadian Map

Libraries and Archives (ACMLA) is happy to announce that 2 new views are available in this series of reproductions - Canadian Cities: Bird's Eye views. These facsimiles are 22" x 28" and printed in colour. The cost is \$12.00 each plus postage. The two views hot off the press are:

London, ON - 1872

Vancouver, BC - 1898

The others which were printed since 1996 are:

Waterloo, ON - [189-]

Dawson, YK - 1903

Halifax, NS - 1879

St. John's, NF - 1879

(from a posting to MAPS-L 16 Apr 1998 Cheryl Woods)

Dealer News

•**Avenza Software** is pleased to announce the release of MAPublisher v3.0 for Adobe Illustrator Win95/NT and Macintosh

MAPublisher v3.0 is a suite of over 40 GIS and Cartographic plug-in tools for Adobe Illustrator. Import the top GIS file formats into a highend graphics environment with the attribute databases intact - control colors, textures, labels better, easier and faster. Insure your output whether to print, film or digitally.

New Features of MAPublisher v3.0:

* Merge and link your existing map data to external databases.

* Export to Arcview .shp and MapInfo mid/mif

* Automated raster image registration

* Automated Legend tools save you hours of labour

* Automated Scale and Projection conversions

* WINDOWS Adobe Illustrator now available

* output to special MAPublisher PDF format, and

* interface directly with GPS hardware and map in real-time (additional plug-ins required)

All this for the introductory price of \$299US, regularly \$495US. Upgrade from any previous version of MAPublisher for only \$99US. Clients who purchase MAPublisher 3.0 can also buy a complete 27 layer US Map Data set for only \$129US, regularly \$895US.

(from posting 4/3/98 by Avenza Sales)

Cataloging News

•Map Cataloging Discussion Group at ALA

The ALCTS CCS/MAGERT Map Cataloging Discussion Group will continue its ALA Midwinter '98 topic, the cataloging of cartographic CD-ROMs and computer disks, at the '98 Annual ALA Conference in D.C. Examples will be provided to stimulate discussion of notes for electronic cartographic resources plus whether a mixed-media collection containing electronic cartographic resources was appropriately cataloged as a kit. Please bring your own questions, comments and examples, too. If time and interest allow, we'll discuss LC's *Guidelines for Distinguishing Cartographic Materials on Computer File Carriers from other Materials on Computer File Carriers* (see: <http://lcweb.loc.gov/marc/cfmap.html>). Are you using the Guidelines? What is your opinion of them?

The Maps Cataloging Discussion Group provides a forum for both beginning and expert maps catalogers to discuss the basic issues relating to bibliographic control of maps and related materials.

Meeting time and place:

Sunday, June 28, 8:00-9:00 a.m. in the Oak Room at the Washington Courtyard.

(Posted to: MAPS-L 29 May 1998 by Kay Johnson)

•MARBI Topics for June ALA

There are several proposals and discussion papers coming before the Machine Readable Bibliographic Information Committee that may be of interest to the cartographic community. In my role as liaison to the MARBI Committee for MAGERT, I borrow the MAPS-L list to share with you what is going on in the committee. This message is to inform you of the proposals and discussion papers that I think are probably of the most interest to the map community. If you have any thoughts or concerns about these proposals (or any of the ones I haven't summarized here), please let me know either through the list or in a personal e-mail. My address is susan.moore@uni.edu. The full texts of all the proposals are available at <http://lcweb.loc.gov/marc/marbi/june1998.html>

Proposal 98-7 (Recording Incorrect Dates in Field 008/06-14 in the USMARC Bibliographic Format) suggests that a new code for incorrect dates be added in the 008/06. If this proposal passes, items that have a single date would have the corrected date entered in the 008/07-10 and the incorrect date would be entered in the

008/11-14. This would allow searches to be qualified by either the correct or the incorrect date. For instances where multiple dates need to be recorded, it is proposed that the corrected dates would be entered in 008/07-10 and 008/11-14 and the incorrect dates would be coded in Field 046 (Special Coded Dates).

These situations are most likely to occur with rare maps.

Proposal 98-12 (Additional Indicator Value in Field 355 (Security Classification Control) of the USMARC Bibliographic Format) comes from the U.S. National Imagery and Mapping Agency. It would add a code to the first indicator position to Field 355 that would indicate that the bibliographic record for an item is classified and not to be distributed.

Proposal 98-14 (Additional Code List for Field 052 of the USMARC Bibliographic Format) also comes from NIMA. The intent of the proposal is to allow coding for geopolitical entities in Field 052 by means other than the current system. Currently, the only coding allowed for in the 052 Field is based on the G Classification of LCC.

Proposal 98-16 (Nonfiling Characters in All Formats) suggests that two control characters would be used to mark out the characters that should be ignored in indexing/filing. Currently, characters that are to be ignored have an indicator position where the number of characters to be ignored is given or the characters are not entered in the record. Through the establishment of the control characters, all nonfiling characters would be handled in the same manner.

Discussion Paper No. 110 suggests changes to the 007 Field for Computer Files in order to accommodate better

retrieval and management of digitally reformatted and preserved materials. The changes include some slight changes to some current codes in the 007 field and the addition of seven new character positions (007/06:Antecedent/Source, 007/07:File formats, 007/08-09:Image Bit Depth, 007/10:Quality Assurance Target(s), 007/11:Compression, 007/12:Reformatting Aspect). There are several questions included in the paper to help guide the discussion that will take place. Two of the general questions are: Could it be considered to establish a new 007 for preservation computer files instead of using the established one ; Given that it would be difficult to enforce that the new positions be mandatory for a specific type of computer file, would it be preferable to propose that they be highly recommended for preservation computer files?

These are the proposals and the discussion paper that I think are of the most interest to the cartographic community. If you have any comments on these or the other agenda items for MARBI, please feel free to share them either with the list or with me (susan.moore@uni.edu).

(Posted to MAPS-L 12 Jun 1998 Susan Moore)

•Additional MARBI topic for June ALA

Upon perusal of some of the other proposals to go before MARBI and thanks to the eagle-eye of one of the subscribers to the list, I have become aware of another item to bring to your attention.

Proposal 98-11 (Changes to the USMARC Holdings/Bibliographic Formats Resulting from the New Holdings Standard (Z 39.71)) suggests

change to allow for accommodation of the new holdings standard that was recently passed. The new standard (Z39.71) uses the coding for the physical form designator from the 007 fields but some changes are needed. The paper proposes adding the value "u" for Unknown to the 007/01 (Specific material designation) of all forms of materials except Computer Files (where the value is already defined), changing value "#" (blank) for No type specified to "u" for Unknown in the 007/01 (Specific material designation) for Remote Sensing, and changing the name of 007 (Map) to 007 (Cartographic material).

If you have any comments on this or any of the other proposals and discussion papers going before MARBI, please either share them with the list or with me.

(Posted to MAPS-L 16 Jun 1998 by Susan Moore)

•NIMA Coding System for Geopolitical Entities

NIMA is working on the conversion of their bibliographic and map production data to USMARC format for a newly acquired ILS. In the process only one series of data elements were identified as needing accommodation in USMARC, the coding system used to identify the geographic area covered.

The primary source for this information is FIPS 10-4 (Countries, dependencies, areas of special sovereignty, and their principal administrative divisions) which is available online (<http://www.nist.gov/itl/div897/pubs/fip10-4.htm>). For water bodies and non-sovereign geographic areas, NIMA maintains

"Water body reference data set," a two character alpha-numeric code list, which is also available online (<http://diides.ncr.disa.mil/shade/shade.html>) and a code list for non-water bodies which they have agreed to make available online. Additionally, when the geographic area is a populated place, NIMA codes the country from FIPS 10-4 and also records the place name, as approved by BGN.

It seems that because these codes and place names are used in naming the sheets of NIMA's publications, the codes are recognized and understood by many who work with maps. Additionally, because of the level of cooperation between many national mapping agencies, most related to the defense community, this coding system could be identified as U.S. Department of Defense or perhaps Defense agencies is a broader concept is appropriate and applicable.

The entire proposal, 98-14, presented to MARBI during ALA annual meeting is available online on the MARC standards page at LC <<http://www.loc.gov/marc/marbi/98-14.html>>.

If you have comments on this proposal, contact Betsy Mangan (eman@loc.gov). How widely is this geographic coding system used or recognized? Is this same system used in other countries? As USMARC becomes more universal (UMARC) are there other coding systems for geographic area that should be accommodated? (Edited from a message to MAPS-L from Betsy Mangan, 6/98)

•**Map Librarians and Map Catalogers:** Mary Larsgaard and Paige Andrew are editing a double issue of *Cataloging & Classification Quarterly* on cataloging of cartographic materials.

Employment

(Although the application deadlines for these positions have passed, they are reported here as a matter of record.)

•Associate Director, Geospatial and Statistical Data Center

The University of Virginia Library is seeking a creative, enthusiastic librarian who will help to shape and direct this electronic center's future, aggressively implement and evaluate services, and ensure delivery of quality social sciences data and geographical information service in a dynamic environment. The Center was recently created by combining the Geographic Information Center and the Social Sciences Data Center. Detailed information about the Center can be found at <http://fisher.lib.virginia.edu>.

Job Description:

The Associate Director reports to and assists the Center Director in overall planning and operation; schedules public service activities; supervises student assistants; collects, creates, and maintains print and electronic documentation for services and tools; develops web resources; provides reference and information service relating to government publications, social sciences data, and maps; serves as a resource for geographic information and statistical data products and services; organizes and promotes staff and user education programs for Government Information Resources (GIR) and the Center, and teaches classes in relevant areas; manages print map collections and related cartographic products; serves as a member of the GIR management

team participating in collection development, goal-setting, staff development, resource management, information delivery, and problem resolution.

Qualifications and Experience:

Required: Master's degree in library science or a related field. Knowledge of and ability to use computer information technologies (especially GIS and/or statistical software) effectively. Ability to work and communicate effectively with users, library staff, and the University community. Commitment to professional growth and development. Organizational and supervisory skills. Strong service orientation.

Preferred: Knowledge of earth sciences, geography or statistics. User education or teaching experience. Demonstrated familiarity with the methods of scholarly research, especially as related to geographic, statistical and government information.

Environment:

The Library system consists of ten libraries, with independent libraries for health sciences, law, and business. The libraries serve 11,000 undergraduates, 6,000 graduate students and 1,600 teaching faculty. The historic Grounds and Thomas Jefferson's Academical Village provide a gracious backdrop for teaching, learning, and research. The Library is a leader in developing the digital library, with four electronic centers. The Geospatial and Statistical Data Center is located in the Government Information Resources area. Other electronic centers specializing in e-texts, digital images, music and media, and rare books and manu-

scripts. Additional information can be found on the Library's homepage at <http://www.lib.virginia.edu>.

Salary and Benefits: \$35,000 or higher, depending on qualifications. Benefits include 22 days vacation, group health insurance, and TIAA/CREF and other retirement plans. General faculty status.

Applications received before July 15 will receive first consideration. Send letter of application, resume, and names, addresses, and phone numbers of three references to:

Ms. Gail Oltmanns
Associate University Librarian
Alderman Library
University of Virginia
Charlottesville, VA 22903-2498

The University of Virginia is an equal opportunity, affirmative action employer.

Patrick M. Yott
Director,
Geospatial and Statistical Data
Center
University of Virginia Library
Charlottesville, VA 22901
(804) 982-2630
pmy2n@virginia.edu
<http://www.lib.virginia.edu/socsci>
•Assistant Professor of Library

Science

Full-Time, Regular, Tenure Track,
Faculty, 12-month

Elmer E. Rasmuson Library
Bibliographic Access Management
Responsibilities:

The Government Documents and Maps Librarian is one of three section heads in the Bibliographic Access Management Department, and reports to the head of the department. The Division has a support staff of 2.5 FTE non-exempt staff positions and 1.5 FTE

student assistant positions. Major responsibilities of the position are to coordinate and supervise all activities related to U.S. Government Documents and Maps Division of the Library/Information Technology Program.

The position is also charged with collection development, instruction and online/internet searching. Position will: provide in-depth, high quality reference service to users both in the Division and at the main reference desk for materials in a variety of formats; manage electronic services accessible from and through government sources, including oversight of processing and cataloging of records added to the online catalog via Marcive's smart barcode service; develop, manage and promote the unit's collections; participate in the library's instructional program; oversee selection, training, development and evaluation of support staff according to University policies and procedures; and represent the interests and activities of the sectional staff to the Library/Information Technology Program. Expectations include active contributions to library and university committees.

Minimum qualifications: MLS or equivalent in library or information science from an ALA-accredited, or equivalent foreign-accredited, program. The successful candidate must have: library experience in planning, organizing, coordinating and supervising the work of others in a collegial and supportive atmosphere; professional experience working with government documents in a medium or large library; demonstrated familiarity in working with maps; well-

developed microcomputer and online/internet searching skills, including experience with governmental electronic products; teaching experience; demonstrated leadership, interpersonal, analytical and communication abilities; demonstrated ability to provide high level reference services to a wide variety of library users. The successful candidate must also: be team-oriented, flexible, and able to work both collaboratively and independently in a complex, changing environment; demonstrate potential for meeting the university's requirements for tenure and promotion, including a record of professional contributions, service and experience appropriate to the level of appointment; and demonstrate understanding of national issues, particularly relating to the dissemination of governmental information.

Preferred qualifications: Experience in cataloging library materials; experience in working with Marcive services. Educational background in a relevant field.

Salary: \$38,764 minimum, Commensurate with qualifications and experience.

Closing date: August 24, 1998

Application: Send application letter with resume and names, phone numbers, addresses, and e-mail addresses of 3 current professional references prior to Friday, August 21, 1998, to: Debbie Kalvee, Chair, Government Documents & Maps Librarian Search Committee, Bibliographic Access Management, Elmer E. Rasmuson Library, University of Alaska Fairbanks, Fairbanks, AK 99775-6810. Telephone: 907/474-7483; Fax: 907/474-6841; E-mail:

ffdhk@uaf.edu. For information on the University of Alaska Fairbanks and the Elmer E. Rasmuson Library, please refer to our home page at: <http://www.uaf.edu/library/libweb>. For information on Fairbanks and Alaska see: <http://sled.alaska.edu/Alaska.html>. Applicants with family members interested in available jobs at the University of Alaska Fairbanks, please refer to: <http://uafjobs.alaska.edu/jobs/>.

The University of Alaska Fairbanks is an equal opportunity/affirmative action employer and educational institution. Your application for employment with the University of Alaska is subject to public disclosure under the Alaska Public Records Act.

Conferences/ Education

•**WAML Spring Meeting.** April 28-May 1, 1999. Long Beach, CA

•**Center for Scholars and Writers**
Center for the Humanities
New York Public Library

The New York Public Library invites applications for fellowships from September 1999 to May 2000 in the first year of its new Center for Scholars and Writers. To be housed, with individual offices, in two spacious rooms now being readied in the landmark library at Fifth Avenue and 42nd Street. The Center will provide opportunities to explore the rich and diverse collections of the New York Public Library. The Center for Scholars and Writers will also serve as a forum for the exchange of ideas among the fellows, invited guests, the wider academic and cultural communities, and the interested public.

The Fellowships are open to schol-

ars, non-academic research professionals, scientists engaged with the humanities, and creative writers of demonstrated achievement regardless of nationality, whose proposed subjects will benefit directly from access to the Library's collections at the Center for the Humanities. There will be fifteen fellows. Five fellowships will be awarded in conjunction with the American Council of Learned Societies.

The Library's Fifth Avenue facility, now called The Center for the Humanities, is renowned for the extraordinary comprehensives of its collections and is one of the world's preeminent resources for study in the fields of anthropology, art, geography, history, languages and literatures of the world, philosophy, politics, popular culture, psychology, religion, sociology, and sports.

Fellows will be required to be in continuous residence for the length of the award and to participate as much as possible in Center activities including daily lunches, readings, lectures, colloquia, symposia, and conferences. Each will be responsible for a public presentation — a reading, a paper, a lecture — of publishable quality. The fellows' stipend will be \$50,000 and, when necessary, a housing allowance.

The deadline for submission of applications is October 2, 1998. For further information or to request a brochure outlining the holdings of the Library (which should precede the submission of an application), please write to:

Center for Scholars and Writers,
Peter Gay, Director or Pamela Leo,
Assistant Director

The New York Public Library
Room 103
Fifth Avenue and 42nd Street
New York, New York 10018-2788
(Posted to MAPS-L 11 Jun 1998 by
Alice Hudson)

•**IFLA "Managing Digital
GeoData"**

The Section of Geography and Map
Libraries of the International Federa-
tion of Library Associations (IFLA)
will hold a day-long workshop,
"Managing Digital GeoData in
Libraries" on August 20, 1998 in
Amsterdam, The Netherlands at the
Vrije Universiteit. Attendance is
limited to 20 participants.

The workshop will cover general
concepts of spatial data in libraries.
GIS and GPS, trends in distributed
mapping including CD-ROM and the
Internet, metadata, collection building
and reference tools will be covered.
The current Workbook is available at:
[http://magic.lib.uconn.edu/ifla/
workbook.htm](http://magic.lib.uconn.edu/ifla/workbook.htm) Participants will use
ArcView 3.0 to work with the Web
accessible Digital Chart of the World
data, and will be presented a copy of
ArcView 3.0 contributed by ESRI
Europe. The Workshop is free but
please register with Patrick McGlamery,
libmap1@uconnvm.uconn.edu
as soon as possible to assure partici-
pation. (Posted to MAPS-L 21 Apr
1998 by Pat McGlamery)

•**Geography and Map Libraries
Section**

64th IFLA General Conference
Amsterdam, The Netherlands
1998
Draft schedule
Friday, August 14
14:00 - 18:00 Special Libraries
Coordinating Board I (#4)

Saturday, August 15
9:00 - 11:50 Geography and Map
Libraries Standing Committee I (#14)
Evening Reception for IFLA
Officers (on invitation only)

Sunday, August 16
Evening Opening of Exhibition/
Reception (#77)

Monday, August 17
8:30 - 10:30 Open Session (#81)
1) "English and Dutch Cartographic
Resources at New York Public Library;
or 'What's Happening in New
Amsterdam'" Alice C. Hudson (Chief,
Map Division, New York Public
Library, New York, NY, USA)

2) "The American Geographical
Society Collection — two decades after
the move." Christopher M. Baruth
(American Geographical Society
Collection, University of Wisconsin—
Milwaukee, Milwaukee, WI, USA)

3) "Le Nouveau Center de Documen-
tation de L'Institut Geographique
National." Pierre Planques (Chef,
Service de la Documentation
Geographique, Institut Geographique
National, Saint-Mande, France)

10:45 - 12:45 Special Libraries
Division Open Forum (#88) "What's
Special About Special Libraries?"

1) David Bender (Executive Director,
Special Libraries Association)

2) Carla Funk (Executive Director,
Medical Library Association)

16:00 - 18:00 Opening Session (#92)
and Reception (#93)

Tuesday, August 18
9:00 - 11:00 Train to Enschede (2
hours) International Institute for
Aerospace Surveys and Earth Science
(ITC)

11:00 - 11:15 Coffee

11:15 - 12:15 Tour of the ITC

12:15 - 13:30 Lunch

13:30 - 14:00 "WWW: Offering
and Finding Maps." Menno-Jan
Kraak (Chair, Dutch Cartographic
Society)

14:00 - 14:30 "A Project Teaching
Remote Sensing Classification
Techniques: Monitoring Land Cover
in Southern France." Barend Koebben
(Utrecht University and the ITC)

14:30 - 15:00 "Archiving Metadata:
From Ideas to Implementation." Wan
Bakx

15:00 - 15:30 Tea

15:30 - 16:00 Demonstration of
ILWIS, a GIS for land and water
information

16:00 - 16:30 Drink

16:30 - 18:30 Train back to
Amsterdam

Evening Ministry of Culture Event
(#119)

Wednesday, August 19

9:00 - 11:00 University of
Amsterdam Host: Jan Werner (Map
Librarian, University of Amsterdam)

1) Tour Ortelius Exhibition

2) Visit to the Map Department

11:30 - 12:30 Train to The Hague

12:30 - 14:00 Lunch

14:00 - 16:00 Koninklijke
Bibliotheek (Royal Library), Map
Department. Host: Jan Smits (Map
Curator, Koninklijke Bibliotheek)

Evening Extend visit in The Hague
or return to Amsterdam by train

Thursday, August 20 Vrije Univer-
siteit (Free University) Room OE-35

9:00 - 18:00 Geography and Map

Libraries: Workshop

Theme: "Managing Digital GeoData
in Libraries"

Convenor: Patrick McGlamery
(University of Connecticut, Storrs,
CT, USA)

Evening Library Visits and
Receptions (#162)

Friday, August 21

8:00 - 9:50 Geography and Map
Li-braries Standing Committee II
(#167)

12:00 - 13:50 Special Libraries
Coordinating Board II (#200)

Saturday, August 22 Full and half
day excursions to cultural sites (#209)

The 65th IFLA Council and
General Conference will be held from
August 20 through August 28, 1999,
in Bangkok, Thailand. Future confer-
ences are: Jerusalem, August 11 - 19,
2000; Boston, Massachusetts, USA in
2001; Glasgow, Scotland, UK in
2002; and Berlin, Germany in 2003.

(Posted to MAPS-L 6 May 1998
by David McQuillan)

**•USGS-Sponsored URISA'98
SDTS Data Consumer Workshop**

Please pass this information on to
those members of your staff who may
need to (1) find, (2) download, and
(3) translate on-line geospatial
information that is now distributed in
the FGDC's Spatial Data Transfer
Standard (SDTS) from USGS,
NOAA, and other U.S. Federal
agencies, or who need to understand
how SDTS-encoded data can be used
with commercial GIS and public-
domain tools.

The U.S. Geological Survey will
sponsor a one-day workshop for new
users of data available in the Spatial
Data Transfer Standard (SDTS) on
Saturday July 18th as part of the
URISA '98 Annual Conference in
Charlotte, North Carolina. SDTS is a
Federal Geographic Data Committee
standard used by USGS, NOAA, and
other agencies for the on-line distri-
bution of large volumes of vector,

raster, and control point data. Attend-
ees will learn how to find, acquire, and
import DEM, DLG, and NGS geodetic
control data. Hands-on exercises will
use a variety of commercial GIS and
public-domain tools.

More information on this and other
URISA '98 activities is available at
<[http://www.urisa.org/ur98/
ur98Index.html](http://www.urisa.org/ur98/ur98Index.html)>

NOAA SDTS information is avail-
able at <[http://www.ngdc.noaa.gov/seg/
tools/sdts/brief.html](http://www.ngdc.noaa.gov/seg/tools/sdts/brief.html)>

USGS SDTS information is available
at <<http://mcmcweb.er.usgs.gov/sdts/>>

SDTS is a U.S. Federal standard
(FGDC-STD-002 and FIPS 173), a
proposed U.S. National standard (ANSI
NCITS 320:1998), a requirement when
transferring permanently valuable
electronic geospatial records to the
National Archives and Records
Administration by the Code of Federal
Regulations 36 CFR 1229.188(d)(3),
and a mandatory standard for
geospatial data in the U.S. Army Corps
of Engineers Circular 1110-1-83.
SDTS is a flexible standard for the self-
contained, nonproprietary, vendor-
independent, metadata-capable distri-
bution and archiving of geospatial data
and for the *blind* exchange of
geospatial data between dissimilar
software and hardware systems without
information loss.

USGS has made its holdings of DLG
data available on-line in the SDTS
Topological Vector Profile. USGS is
also now providing DEM data on-line
using the Raster Profile to SDTS, and
plans to use the GeoTIFF extension to
the Raster Profile for DOQ data.
NOAA NGS has made its holdings of
geodetic control data available on-line
using the Point Profile to SDTS. An

expanding number of commercial and
public-domain tools, translators,
GIS's, and viewers now use SDTS
data. Continued improvements in
these tools will allow easier use of
SDTS data. The workshop will
provide opportunities to download
SDTS data from Federal web sites
and to use this data with a number of
the existing tools. In addition to
URISA in July, a similar SDTS
consumer workshop is planned for
GIS/LIS '98 in Ft. Worth, Texas in
November.

Questions about SDTS may be sent
via email to sdts@usgs.gov.

Charles Hickman — Geographer
U.S. Geological Survey — Rolla,
Missouri, USA

(573) 308-3502

chickman@usgs.gov

<http://mapping.usgs.gov/>

<http://mcmcweb.er.usgs.gov/>

(Posted to NSDI_L 22 May 1998
by Charles Hickman)

•ALA Annual Conference. David
Allen posted the revised MAGERT
schedule (including room assign-
ments) available on the MAGERT
home page ([http://www.sunysb.edu/
libmap/magert1.htm](http://www.sunysb.edu/libmap/magert1.htm)).

**•1998 Summer Institute in the
Cartographic Sciences**

Salem State College, Salem, MA
01970 USA

A series of one week courses
[http://dgl.salem.mass.edu/www/
si.htm](http://dgl.salem.mass.edu/www/si.htm)

Air Photo Interpretation - June 1 - 5
Computer-Assisted Cartographic
Modeling-June 8 - 12

Geographic Information Systems-
June 15 - 19

Spatial Database Design & Analy-
sis - June 22 - 26

Advanced Geographic Information Systems - June 29 - July 3

Digital Image Processing of Remotely Sensed Data - July 6 - 10

Each one week course is held daily, 8:30am - 4:30pm, Monday-Friday

Participants are able to register for individual one-week courses, up to a maximum of six. In addition to taking any of the Institute courses on an individual basis, you may also earn a Certificate in the Cartographic Sciences by completing any four of the courses offered.

These courses are offered for credit at the graduate level (Students: please consult your advisor before registering for a course if you plan to transfer credits to your academic institution) Each course is 3 credits.

Each course is \$595.00 which covers tuition, registration and fees.

Textbooks will be available for purchase at the college bookstore.

For information about the Summer Institute, the MS in Geo-Information Science Program, or the B.S. in Cartography at Salem State College please contact:

Dr. William Hamilton - Department of Geography
352 Lafayette Street - Salem, MA 01970

Phone: (978) 542-6228 - Fax: (978) 542-7113

mail to: wolf@dgl.salem.mass.edu
(from a posting to MAPS-L 6 May 1998 by Kym Pappathanasi)

•Global Mapping Forum '98

Information for the 21st Century
June 15-18, 1998

U.S. Geological Survey, EROS Data Center

Sioux Falls, South Dakota, USA
The U.S. Geological Survey's

Earth Resources Observation Systems (EROS) Data Center and the International Steering Committee on Global Mapping (ISCGM) are pleased to announce Global Mapping Forum '98. The objectives of Global Mapping Forum '98 are to address issues in global and regional mapping as defined by the International Steering Committee for Global Mapping.

Background

The ISCGM was established February, 1996 in Tsukuba, Japan. This Committee examines measures that concerned national, regional, and international mapping organizations can take to foster the development of global mapping. Measures agreed upon by ISCGM members will be taken to facilitate the implementation of global agreements and conventions for environmental protection as well as the mitigation of natural disasters and to encourage economic growth within the context of sustainable development.

To address the needs of various users of regional and global data, Global Mapping Forum '98 will host experts in the following topical areas:

- Sustainable development
- Environmental monitoring, assessment, and management
- Data needs for regional and global modelling
- Mapping and imaging technology for the 21st century
- Integration of Physical and Socio-economic data

Please refer to the ISCGM web site for more information: (<http://www1.gsi-mc.go.jp/iscgm-sec/>)

EROS Data Center Tours

The U.S. Geological Survey's EROS Data Center (EDC) is one of the largest repositories for remotely sensed data

and a premier center for research on remote sensing. During the past three years, EDC facilities have been significantly enlarged and enhanced to house the EOS Land Processes Distributed Active Archive Center (LPDAAC). Special tours will be offered on Monday, 15 June for Global Mapping Forum '98.

Points of contact

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email: reed@edcmail.cr.usgs.gov

Preliminary Program

Monday June 15

Morning (9:00 a.m. - 12:00 p.m.)

ISCGM Working Group1

ISCGM Working Group2

Afternoon (1:00 p.m. - 4:00 p.m.)

Special tours of EROS Data Center

Informal meetings

Tuesday, June 16

Morning (8:30 a.m. - 12:15 p.m.)

Welcome to Global Mapping Forum

'98

Keynote Address

Topical Sessions on:

- Sustainable development

- Environmental monitoring,

assessment, and management

Lunch (12:15 p.m. - 1:30 p.m.)

Report on SDI meeting in Ottawa,

June, 1998

Afternoon (1:30 p.m. - 5:00 p.m.)
 Topical Sessions on:
 - Data needs for regional and global modelling
 - Mapping/imaging technology for the 21st century
 - Integration of physical and socio-economic data
 Evening (6:00 p.m.)
 Social Event in Sioux Falls area
 Wednesday, June 17
 Morning (9:00 a.m. - 11:30 a.m.)
 Presentations/Panel discussion on:
 1) Sustainable development
 2) Environmental monitoring, assessment, and management
 3) Data needs for regional and global modelling
 4) Mapping/imaging technology for the 21st century
 5) Integration of Physical and Socio-economic data
 Afternoon (12:30 p.m. - 3:00 p.m.)
 Panel discussion of Issues in Mapping for the 21st Century
 Evening (6:00 p.m.)
 Social event in Sioux Falls area
 Thursday, June 18
 Fourth Meeting of the International Steering Committee on Global Mapping
 (9:00 a.m. - 3:00 p.m.)
 (from posting to MAPS-L 16 May 1998 by Lawrence Pettinger)
 •**Special Libraries Association,**
 Geography and Map Division
 Annual Conference 1998 - Indianapolis
 Sunday, June 7
 3:00 - 5:00 p.m. Executive Board Meeting
 Monday, June 8
 10:30 - 11:45 a.m. Contributed Papers Session I
 John M. Anderson, Louisiana State

University: "Estimating the Size of a Large Map Collection or How I "Lost" 200,000 Maps and Still Kept My Job."
 Ardis Hanson, University of South Florida: "The Use of Geographic and Map Information in Evaluating Neighborhood Use of Social Services."
 Amy S. Puryear, Library of Congress: "The Handbook of Latin American Studies."

3:00 - 4:15 p.m. Contributed Papers Session II

Jenny Marie Johnson, University of Illinois at Urbana-Champaign: "Historic Air Photo Imagebase."

David McQuillan, University of South Carolina: "IFLA Report."

Linda Musser and Lisa Wishard, Pennsylvania State University: "Mine Maps of the Coal Regions of Pennsylvania."

Tuesday, June 9

1:30 - 2:45 p.m. Open Discussion / Future of the G&M Division

3:00 - 4:30 p.m. Business Meeting

Wednesday, June 10

1:00 - 2:45 p.m. Incoming Board Meeting

5:00 - 7:00 p.m. Indiana Historical Society Map Collection / Open House & Reception

The World's oldest cartographic information society, Special Libraries Association, Geography and Map Division, has just concluded its meetings in Indianapolis (June 6 - 10, 1998) and would like to report on those meetings and announce plans for the future.

Several members took advantage of a 3 hour city-wide tour of Indianapolis offered by SLA on Saturday night. The first stop was the Indianapolis Motor Speedway and its museum on the 500 and Brickyard 400 races. Important

monuments and buildings in the city were observed bathed in lights as the sun went down; parks and historic sites were seen from the bus; and an impressive number of restaurants and shopping opportunities pointed out along the route.

Workshops, committee, and board meetings were the order of the day on Sunday, with the opening of the exhibits and receptions in the evening. There were two contributed paper sessions on Monday, followed by many receptions and dinners.

On Tuesday, members visited the factory of the George F. Cram Company (since 1867), one of only three large commercial map publishers left in the U.S. The production process for fiber core and plastic globes as well as their popular large classroom wall maps, was explained by Jay Douthit, one of the company owners. The future of the Geography and Map Division was discussed at an open forum in the afternoon, followed by the Division Business Meeting. The results of the elections held saw Bruce D. Obenhaus (obenhaus@vt.edu), Virginia Tech, become chair of the Division, John M. Anderson (janders@lsuvm.sncc.lsu.edu), Louisiana State University, become chair-elect, and Susan Greaves (sjg@cornell.edu), Cornell University, serve another 2-year term as treasurer. Anita K. Oser (aosser@wcu.edu), Western Carolina University, continues as secretary. The business meeting was followed by a dinner at the Eagle's Nest atop the Hyatt Hotel.

On Wednesday the SLA Annual Meeting was held at which a dues

increase from \$105.00 to \$125.00 for regular members and from \$25.00 to \$35.00 for students was proposed. This is necessary due to IRS requirements for non-profit organizations and their ratio of income from members v.s. non-member sources. This will be voted on in the fall, so get your dues paid now and save! The new G&M Board met in the afternoon and planned for future conferences. Bruce is planning Minneapolis in 1999, but needs your proposals by October 1998. John is planning the Philadelphia meeting in 2000, so he should be contacted with any ideas for that meeting. A program planner for San Antonio in 2001, the sixtieth anniversary of the Geography and Map Division, will be appointed at the Minneapolis meeting, so if you are interested, join and volunteer! The day concluded with a reception hosted by the Indiana Historical Society and a view of plans for their new multimillion dollar building under construction just across the street from their present location. Everyone attending the reception received a copy of their newest publication, a reprint of the 1854 bird's-eye view of Indianapolis.

Watch for our new periodic newsletter, co-edited by Anita Oser and Harry O. Davis (hdavis@lib.siu.edu), Southern Illinois University, and for news on the next issue of the *G&M Bulletin*.

Membership information and forms can be found on the SLA website at WWW.sla.org. Join now and follow us into the new millenium where geography and maps will still be a subject that captures the imagination.

David C. McQuillan, Chair
SLA G&M Membership and Public Relations

(from postings to MAPS-L by David C. McQuillan)

•Third International Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences

The third conference in this very successful series will be held May 20-22 in Quebec City, Canada. There is still time to register and plan to attend. Approximately 70 presentations will be made concerning various aspects of uncertainty in the acquisition, manipulation, and analysis of natural resources data bases. The following are some examples.

- Data acquisition
- Error propagation
- Statistical simulation
- Errors in remote sensing
- Theoretical error models
- Aggregation and Generalization

The conference will appeal to anyone with an interest in any aspect of spatial data bases and their associated uncertainty. Accepted presentations draw from a wide variety of disciplines and levels of knowledge: statistics, geographic information systems, surveying, forestry, wildlife, application domains....

For a complete program listing and more information including how to register, you can either access the Web site of the Centre for Research in Geomatics (www.crg.ulaval.ca) or contact us by e-mail (spatial.accuracy@scg.ulaval.ca) or by mail or FAX:

3rd Spatial Accuracy Symposium
Centre de recherche en geomatique
0722 Pavillon Casault
Universite Laval
Quebec, Quebec G1K 7P4 Canada
Phone: (418) 656-5491
FAX: (418) 656-3607

Western Association of Map Libraries

Microform Publications

Occasional Papers

- 1976 *Union List of Sanborn Fire Insurance Maps Held by Institutions in the United States and Canada, vol. 1, Alabama to Missouri* by R. Philip Hoehn. OP2 LC #76-6129 ISBN 0-939112-16-7 \$4.00
- 1983 *Index to the Information Bulletin (Volumes 1-10, 1969-1979) of the Western Association of Map Libraries* by Frances M. Woodward. OP9. LC #834880 ISBN 0-939112-10-8 \$5.00

Information Bulletin

- Western Association of Map Libraries *Information Bulletin* v.1-20. 99 fiche. ISBN 0-939112-20-5 \$40.00

Microform Sets

- Spezialkarte der Osterreichisch-Ungarischen Monarchie* [Austro-Hungarian Empire], 1873-1889. 1:75,000.
Complete set of all editions. ISBN 0-939112-25-6. 3665 fiche. \$1,200.00
First editions only. 1037 fiche. \$300.00
- Maps and Charts of North America and the Caribbean, 1750-1789.* Phase I, Titles 3-1551. 335 fiche \$110.00
Maps and Charts of North America and the Caribbean 1750-1789. Phase II, Titles 156-271. 380 fiche \$125.00
[Poland] Wojskowy Instytut Geograficzny. 1:100,000. 193-. 1253 fiche \$500.00
Reichsamt fur Landesaufnahme. *Karte des Deutschen Reiches.* [Germany]. 1:100,000. Berlin, 186?-194?
4,100 fiche. \$1,500.00
- Cassini & Carte de France, French Revolutionary Era Surveys.* 214 fiche \$85.00
US. Navy Nautical Charts of Melanesia. 1917-1975. 251 fiche \$100.00
Pacific Basin Map Exhibit of the Library of Congress. 83 fiche \$30.00
Bernice Bishop Museum Air Photos of Melanesia. ca. 64,000 photos on 70 reels of 35mm film \$35/roll
Gazetteer of the World, or Dictionary of Geographical Knowledge. 7 vols. London: Fullarton, 1859.
1990 fiche edition. 79 fiche ISBN 0-939112-19-1 \$30.00
Gazetteer to AMS 1:25,000-Maps of West Germany. 3 vol. 1959, 1990 ed. 36 fiche. ISBN 0-939112-23-X \$15.00
- USGS GNIS Gazetteers:**
California (17 fiche) ISBN 0-939112-21-3 \$10.00
Nevada (5 fiche). ISBN 0-939112-22-1 \$5.00
Ward Maps of United States Cities (Pre-1900). LC 1975. WAML 1990 ed. 321 fiche ISBN 0-939112-24-8 \$100.00

Send Check (payable to WAML) or Purchase Order to: **Western Association of Map Libraries**
c/o Richard E. Soares
WAML Business Manager
P.O. Box 1667
Provo, UT 84603-1667

Western Association of Map Libraries
Paper publications
Occasional Papers

- 1973 *Catalogue of Sanborn Atlases at California State University, Northridge* by Gary W. Rees and Mary Hoerber. OP1. LC #73-5773 ISBN 0-939112-01-9 \$4.00
- 1977 *Union List of Sanborn Fire Insurance Maps held by Institutions in the United States and Canada, vol. 2, Montana to Wyoming; Canada and Mexico* by William S. Peterson-Hunt and Evelyn L. Woodruff; *with a Supplement and Corrigenda to Volume 1*, by R. Philip Hoehn. OP3. LC#76-2129 Rev. ISBN 0-939112-03-5 \$6.00
- 1978 *Index to Early Twentieth-Century City Plans Appearing in Guidebooks: Baedeker, Muirhead-Blue Guides, Murray, I.J.G.R., etc., Plus Selected Other Works to Provide Worldwide Coverage of over 2,000 Plans to over 1,200 Communities, Found in 74 Guidebooks* by Harold M. Otness. OP4. LC #78-15094 ISBN ISBN 0-939112-05-1 \$6.00
- 1978 *The Maps of Fiji: A Selective and Annotated Cartobibliography* by Mason S. Green. OP5. LC #78-24066 ISBN 0-939112-06-X \$4.00
- 1980 *Index to Nineteenth-Century City Plans Appearing in Guidebooks: Baedeker, Murray, Joanne, Black, Appleton, Meyer, Plus Selected Other Works to Provide Coverage of over 1,800 Plans to Nearly 600 Communities, Found in 164 Guidebooks* by Harold M. Otness. OP7. LC # 80-24483 ISBN 0-939112-08-6 \$6.00
- 1981 *Microcartography: Applications for Archives and Libraries* edited by Larry Cruse, with the assistance of Sylvia B. Warren. OP6. LC #81-19718 ISBN 0-939112-07-8 \$20.00
- 1981 *Printed Maps of Utah to 1900; An Annotated Cartobibliography* by Riley Moore Moffat. OP8. LC #81459 ISBN 0-939112-09-4 \$10.00
- 1984 *Nevada Directory of Maps and Aerial Photo Resources* by Mary B. Ansari and Linda P. Newman. OP11. LC #83-26068 ISBN 0-939112-13-2 \$15.00
- 1986 *Map Index to Topographic Quadrangles of the United States, 1882-1940* by Riley Moore Moffat. OP10. LC #84-21984 ISBN 0-939112-12-4 \$32.50
- 1990 *Cartobibliography of Separately Published U.S. Geological Survey Special Maps and River Surveys*, by Peter L. Stark. OP12 LC #89-14684 ISBN 0-939112-15-9 (hard cover) \$40.00
- 1993 *Topographic Mapping of Africa, Antarctica and Eurasia* by Mary L. Larsgaard. OP14. LC #92-39327 ISBN 0-939112-29-9 \$45.00

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