

information BULLETIN

Volume 14 Number 2

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Western Association of Map Libraries

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

New Rates Effective July 1, 1981 (as shown)

The Information Bulletin is published three-times-per-year by the Western Association of Map Libraries, but opinions expressed herein do not necessarily reflect an official position of the Association.

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".

Membership Dues: Individual Members residing in the Principal Region, may attend meetings, serve as an Officer, vote, and receive the Information Bulletin and announcements of meetings. \$15.00 per year.

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Lifetime Individual Membership is open to individuals only, for a onetime payment of \$200. In addition to full Membership, all issues of the Information Bulletin and all Occasional Papers will be sent as published.

Institutional Members are commercial firms or educational organizations. The institution may designate one of its staff as its Representative. The Representative has all rights as Individual Members, but may not hold office. The Institutional Member will receive one copy of each issue of the Information Bulletin and each Occasional Paper issued during the year of membership. \$25. per yr.

Subscriptions to the Information Bulletin are \$15.00 per volume-year; three issues per volume-year: November, March, June.

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Editor's Page

Cartographic Users Advisory Council

From time to time and in various direct and indirect ways you may have learned of the Cartographic Users Advisory Council. The Council is a representative group of the map librarianship community, on which I represent WAML and presently serve as Chairman. My predecessors have been David Cobb, University of Illinois, and Charley Seavey, ex-University of New Mexico. A list of the present Representatives is appended to the end of this message.

CUAC has had outstanding support for its position from two principals at the federal level: Gary North, Assistant Chief, National Mapping Division, U. S. Geological Survey; and, Bernadine Hoduski, Professional Staff Member for Library & Distribution Services, Joint Committee on Printing, Congress of the United States. The map librarianship community must be eternally thankful for the efforts of these two, because without their support we would continue to suffer from a malignant neglect that in economic hard times could very well worsen and die. There have been others who have listened to our pleas and acted with positive results, principally at the Defense Mapping Agency.

One of our objectives has been to advocate the expanded distribution of maps published by U. S. federal government agencies, and to date we have had some excellent results. There has been an improvement in distribution of maps from the Defense Mapping Agency, with a canvassing of countries worldwide for their agreement to the release to DMA Map Depository Libraries of the 1:250,000 Joint Operations Graphics Series (produced by DMA in cooperation with and agreement of the country being mapped). As of the last report, DMA had received agreement from ten countries - the names of which have not been announced. On another front, the Bureau of Land Management has for a long time been one of map librarianship's difficult agencies with which to deal. There has been no central distribution office for BLM maps and no automatic distribution of its products, solicitation being made to each BLM regional or state office. Now there is some hope for improvement in distribution of BLM maps. Additional information will be announced as developments unfold, but there is hope, which in this business is what we thrive on. Progress is slow, CUAC meets only once a year and gets along by telephone and the mail, but progress is being made. Inevitably with this type of situation, adjustments in policy and practice force changes that for some are improvements and for others are problems. As the WAML Representative to CUAC, I hope that you will make your comments known to me so that we will know the effect of these new practices, and we will try to smooth out or correct the problems.

Legislative Alert!

At this writing (February 20th), the problem about which CUAC is most concerned is the 1984 appropriation of funds for the Government Printing Office. We are not anxious to have all our foundation building eroded by the tides of bureaucratic neglect.

We have been expecting the implementation of a new Map Depository Program, with GPO acting as the lead agency for selection and control of who gets what, and USGS acting as the distribution agency. As with any new program, its success depends on funding.

The problem is, GPO presented its proposed Fiscal 1984 budget to the Subcommittee on the Legislative Branch (of the House Appropriations Committee) and it was \$900,000 less than what they got for the current year. This would be, if approved, a serious erosion of GPO's ability to fulfill its basic obligations - to say nothing of the plans to improve the distribution of maps to us, and that's what we'd get - nothing!

Your Action Required

I hope that by the time you read this it will not be too late for action on your part. As Chairman of CUAC, I have written to the Chairman of the Subcommittee on the Legislative Branch: Congressman Vic Fazio (West Sacramento, CA); and to another key member of the same Subcommittee, Congressman Jerry Lewis (Los Angeles) (not the comedian of the same name). I have sent copies to Congressman Augustus Hawkins (Chairman of the Joint Committee on Printing), and to my own representative from the district in which I reside, Congressman Leon Panetta. A copy also went to The Public Printer, he is the person responsible for the proposed budget.

I urge you to write to your own Congressional Representatives. You may choose to write letters to Rep. Fazio, Rep. Lewis, and Rep. Hawkins - that will do no harm. As with all legislative bodies, the House Appropriations Committee will probably take the recommendation of its Subcommittees, but there is always the hope that enough pressure on the Subcommittee will turn this situation from disaster to status quo. If any of you know Representatives on either the Sub-Committee or the House Appropriations Committee, they would be prime candidates for a letter from you. They should be informed of the potential effect of this situation on your library. You are welcome to use any part of my letter, or all if you wish. My letter to Congressman Fazio is published on the following pages for your information, and I hope - your ACTION!

Cartographic Users Advisory Council

American Library Association,
Map & Geography Roundtable

Geoscience Information
Society

Special Libraries Association
Geography and Map Division

Western Association of Map Libraries

February 18, 1983

The Honorable Vic Fazio
Congress of the United States
1421 Longworth House Office Building
Washington, D. C. 20515

RE: Subcommittee on Legislative Branch, House Appropriations Committee

Dear Congressman Fazio:

The Cartographic Users Advisory Council represents hundreds of public, academic, and corporate libraries throughout the United States through our respective organizations. Our purpose is to improve accessibility, availability, quality, and dissemination of cartographic information, products, and systems. We have worked to increase cooperation and communication between librarians and federal agencies, and between librarians and other producers of cartographic information.

Since federal government agencies are the producers of 90% of all maps it is vital to the public interest that these maps and related publications be distributed to Depository Libraries. As librarians, we know the demand for this information by members of the public: local decision makers at city and county government, state agencies and legislators, students and faculty at all levels of academic life, and decision makers at the corporate level.

Senator Charles McC. Mathias, Jr., Chairman of the Joint Committee on Printing (97th Congress), in his Message in Government Depository Libraries (p. v, Joint Committee Print, Revised March 1981) states our position succinctly:

"The laws establishing the depository library system are among the oldest right to know statutes passed by the U.S. Congress. In nearly 1,400 congressionally designated libraries throughout the United States, the public has access to information about its Government. The depository libraries in accepting this designation pledge themselves to provide free public access to all Government documents entrusted to them."

One of the principles of the Depository Library Program (established by Chapter 19 of Title 44 of the U.S. Code) is that "with certain specified exceptions, all government publications shall be made available to depository libraries". (emphasis added)

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Stevens to Fazio, p. 2

February 18, 1983

In the past few months we have been working with the Staff of the Joint Committee on Printing to improve the distribution of maps produced by federal agencies. A survey of the needs of depository libraries has been conducted and the results demonstrate the need for improvement in this regard. A map depository program has been developed that will enable libraries to provide a greater quantity of information to our user public than ever before.

However, we understand that the Subcommittee on Legislative Branch has received a Fiscal 1984 request from the Government Printing Office that is \$900,000 less than last year.

If the GPO budget is not funded by at least the present level (which would be a net decrease due to inflation), our efforts to improve the distribution of cartographic information to our users will be a disaster.

We cannot fulfill our responsibilities if the Government Printing Office doesn't get the material to us.

We will appreciate your maximum effort to restore full funding for the Depository Library Program. We know the fiscal constraints under which the Government Printing Office is making its request, but to cut off the distribution of this vital information to the public will not serve the best interests of either the GPO or of Congress.

Sincerely yours,

Stanley D. Stevens
Stanley D. Stevens
Chairman

Encl: CUAC Membership List 1982/1983

cc: The Hon. Augustus Hawkins
The Hon. Leon Panetta
The Public Printer

CUAC Representatives for 1982/1983

American Library Association,
Map & Geography Roundtable

CHARLOTTE R. M. DERKSEN
Branner Earth Sci Library
Stanford University
Stanford, CA 94305

MARY L. LARSGAARD
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Colorado School of Mines
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Geoscience Information Society

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Special Libraries Association,
Geography & Map Division

HELENJANE ARMSTRONG
University Library Map Room
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Gainesville, FL 32611

KATHLEEN EISENBEIS
University Library
Duke University
Durham, NC 27706

Western Association of Map Libraries
(Chairman)

STANLEY D. STEVENS
University Library Map Room
University of California
Santa Cruz, CA 95064

Appointment of new Atlas & Book Review Editor

I have the pleasure of announcing the appointment of Peter Stark as Atlas and Book Review Editor for the Information Bulletin.

I have been waiting patiently for this moment, and my patience has been rewarded. The resignation of Sandra Lamprecht from this position was announced in the June 1982 issue, and I had hoped to be in a position to make the announcement in our November issue. With Peter's move from Central Washington University, Ellensburg, to the University of Oregon, Eugene, (see Bench Marks! this issue), he wanted to carefully consider my offer before making the commitment. It is to his credit that he has given this job the serious consideration that it deserves. I know we will benefit from his leadership.

On behalf of the WAML Membership and Information Bulletin readership I extend our collective thanks to you Peter.

CONFERENCES/MEETINGS - SOME PAST, SOME FUTURE

* CALIFORNIA MAP SOCIETY

The California Map Society met on Saturday, November 20, 1982 at San Jose State University, Dr. Gerald Greenberg, President, presiding.

The local arrangements were handled by Dr. Duilio Peruzzi, Professor of Geography. Dr. Gerald E. Wheeler, Dean of the School of Social Sciences, SJSU, welcomed the membership.

Noel Diaz, Staff Cartographer, UCLA Department of Geography, presented a brief Treasurer's report. He explained that having just been appointed to the vacancy created by the resignation of Richard Hansen the complete Treasurer's report would have to wait until another meeting.

In addition to a tour of the new Clark Library (which is equipped with solar panels in a fixed position at the wrong angle to catch the winter sun, so the building is interesting to visit), a tour of the campus and the downtown redevelopment area - conducted by Professor Richard Ellefsen, Urban Geographer - (the tour didn't take in everything, just the walk to lunch at Original Joe's), and a superb lunch, the following presentations were heard:

Gail Thelin, Research Geographer, USGS Geographic Investigation Office at NASA/Ames, Moffett Field: "Land cover mapping in Arctic Alaska using LANDSAT Digital Data".

Charles Kurnow, Cartographer, California State Automobile Association, San Francisco: "Data collection and compilation at California State Automobile Association".

Nancy Milligan, Cartographer, Planning Department, City of San Jose, "Computer cartography for urban planning, San Jose, California".

Richard Ellefsen, Director of the Office of Sponsored Research (and a Professor of Geography), San Jose State University: "Urban terrain analysis: buildings and urban zones".

* AUSTRALIAN MAP CURATORS' CIRCLE

The Annual General Meeting of AMCC was held at the University of Melbourne, February 2-4, 1983. The Conference Convenor was Jock Murphy.

* SYMPOSIUM: "MAPPING THE AMERICAN SOUTHWEST"

The University of Texas at Arlington was the site for this meeting, held February 9, 1983, at the University Library.

The program included a tour of the Jenkins Garrett and Cartographic History Libraries.

The first session was introduced by Joseph Castle, Louisiana State Museum, New Orleans. The speaker was Dennis Reinhartz, University of Texas at Arlington; his topic was: "Herman Moll, Geographer: an early eighteenth century European view of the American Southwest".

The second session was opened by Kathleen Underwood of the Arlington campus. The speaker was Robert Martin, University of North Carolina, who presented the "U.S. Army mapping in Texas, 1848-1850".

After lunch, Preston Figley of Old Maps and Prints (Fort Worth) introduced Judith A. Tyner, California State University, Long Beach, who spoke on "Images of the Southwest in 19th century American atlases".

The dinner meeting, held at the University Center, was presided over by Stanley H. Palmer of the University of Texas-Arlington. The President of UTA, Wendell H. Nedderman, welcomed the guests, and Jenkins Garrett introduced the guest speaker. David Buisseret, head of the Hermon Dunlap Smith Center for the History of Cartography, The Newberry Library, Chicago, presented his study entitled: "The Spanish and French mapping of the Gulf of Mexico in the sixteenth and seventeenth centuries".

* NEW ZEALAND MAP KEEPERS' CIRCLE

The NZMKC 8th Annual Seminar was held February 16-18, 1983 at the University of Waikato. The focus of the meeting was "the environment, particularly the ways in which it is measured, planned, and presented." The contributors were from different disciplines, but each emphasized the activities of map curators.

Lex Chalmers, Geography Dept., University of Waikato: Remote sensing of the environment.

Philip Martelli, Senior Comprehensive Planner, Hamilton City Council: Hamilton City Corporate Planning.

Philip Barton, Map Librarian, Alexander Turnbull Library: A National Carto-Bibliography.

Brian Marshall, Geography Librarian, University of Auckland: Organisation of a small map collection.

Bob Drury, Environmental Officer, Amax: Gold mining and the environment in Waihi.

Stephen Edson, Waikato Art Museum, and Evelyn Stokes, Geography Department, University of Waikato: Archaeology and maps.

The Seminar included the Map Keepers' Circle Annual General Meeting, and a tour of archaeological and historical sites in South Waikato.

*

ASSOCIATION OF CANADIAN MAP LIBRARIES
ASSOCIATION DES CARTOTHEQUES CANADIENNES

Map Libraries and Users

17th Annual Conference, Vancouver, B. C. 5 - 9, June 1983

WAML Members are cordially invited to attend. If any WAML members are driving to the meeting, or have a way of getting duplicates, discards, etc., a map exchange will be held in the UBC Map Division.

The 1983 Conference Chairman is Frances Woodward, Historical Maps and Cartographic Archives, Special Collections Division, The University Library, University of British Columbia, 1956 Main Mall, Vancouver, B.C., Canada V6T 1Y3.

Preliminary Programme

Sunday, 5 June

2:00 - 5:00 Registration and Map Exchange, Map Division,
University of British Columbia Library

7:30 - 9:30 Reception at home of Frances Woodward

Monday, 6 June

8:30 Registration

9:00 - 9:20 Welcoming Address

9:20 - 10:30 Lou Sebert, on: "the search for maps for
legal cases"

11:00 - 11:30 G.P.V. & Helen Akrigg, on:
"the use of maps in the study of place names"

11:30 - 12:30 Duncan Stacey, on: "the use of fire insurance plans
in heritage conservation"

2:00 - 3:00 Robert Galois, on: "preparing maps from old
census data"

3:30 - 4:30 Margaret North, on: "the use of old maps in
determining vegetation"

Tuesday, 7 June

8:30 Registration
9:00 - 12:30 Reports
12:30 - 2:00 Lunch
2:00 - Annual General Meeting
6:30/7:00- Banquet, UBC Faculty Club

Wednesday, 8 June

8:30 Registration
9:00 - 9:45 Michael Church, on: "use of maps & air photos in
determining river changes"

9:45 - 10:30 Ray Squirrel, on: "making maps for the visually
handicapped"

11:00 - 11:45 Evelyn Robbins, on: "making electoral maps"
11:45 - 12:30 Gordon Shields, on: "the Murray Map"

2:00 - 4:00 Ed Dahl & Joan Winearls, workshop, on:
"ethics and the map collection"

Thursday, 9 June

Tour Day (not of cartographic establishments, an attempt is being made for a guided boat tour of the Fraser River.)

* GEOGRAPHY & MAP DIVISION, SPECIAL LIBRARIES ASSOCIATION

ANNUAL CONFERENCE, New Orleans, Louisiana, JUNE 4-9, 1983

THEME: Removing Information Barriers

The 1983 G&M Division conference program is focused on two topics: (1) removing the information barriers that exist in the acquisition and use of maps, and (2) learning about the geography of the city and region in which the conference is held.

The conference will be headquartered at the New Orleans Hilton and the Rivergate exhibition hall. Housing will also be reserved at the International House and the Royal Sonesta.

WAML Members are invited to sample the unique flavor and rich history of the "Crescent City" through its Creole cuisine, the Spanish architecture of the French Quarter, its jazz musicians, and its unusual cemeteries. (The program that follows includes some sessions that are "ticketed" and attendance is limited. Please check the registration material from SLA for details.)

Sunday June 5

2:00 - 5:00 G&M Division Executive Board Meeting
8:00 - 11:00 G&M Division Open House (Division Suite)

Monday June 6

1:00 - 2:45 G&M Division Committee Reports and Discussion
3:00 - 3:45 G&M Division Representative Reports
4:00 - 5:00 G&M Division Annual Business Meeting
5:15 - 6:00 Information Sharing (Reports from organizations)
6:15 - 7:00 Map Online Users Group (Meeting to identify issues for the annual meeting to be held at ALA.)

Tuesday June 7

9:00 -12:00 G&M Division Field Trip 1: "New Orleans' Nineteenth Century Townscape". Trip Leader: Robert A. Sauder, Dept. of Anthropology and Geography, University of New Orleans. This trip provides an interpretation. Emphasis is on the manner in which the environment and culture have interacted to create one of the most interesting urban landscapes in the country.

1:30 - 5:00 G&M Division Program & Tours: (To be held at the Louisiana State Museum, U. S. Mint Bldg., and the Historic New Orleans Collection.

1:30 - 2:30 G&M Division Program: (Chair: Paul W. Stout, Ball State University) Speaker: Joseph D. Castle, Louisiana State Museum: "Plantations, Transportation, and Industry: The Changing Face of Louisiana." Speaker: John A. Mahe II, Historic New Orleans Collection: "New Orleans: A Survey of Urban Growth Through Maps."

2:30 - 3:30 Tour of the Louisiana Historical Center's research collections.

3:30 - 4:00 Walk from the Mint Bldg. to 533 Royal St.

4:00 - 5:00 Tour of the Historic New Orleans Collection's research collections.

Wednesday June 8

1:00 - 3:00 G&M Division Luncheon Program: (Chair: David McQuillan, University of South Carolina) Speaker: Col. Robert C. Lee, Corps of Engineers, New Orleans District: "Old River and Coastal Louisiana".

3:15 - 5:15 G&M Division Contributed Papers Session: (Chair: Mai Treude, University of Minnesota): speakers:

Muriel Strickland, San Diego State University: "Which maps to use for what: some map selection guidelines".

Charlotte Derksen & Sandra N. Ward, Stanford University: "Removing barriers to geologic maps for non-geologists".

Kathleen Zar, University of Chicago: "Exploiting cartobibliographic resources in the social and natural sciences: there's more

to a research library than maps".

Jean Ray, Southern Illinois University: "Indians of the Gulf Coast Region, as recorded on maps in the Sang Collection, Morris Library, Southern Illinois University".

5:30 - 6:00 G&M Division Committee Roundtables: Meet the Chairmen of the Division's Committees for 1982-1983; let them know the issues/ problems you want addressed in the coming year. Volunteer to help them!

Thursday June 9

9:45 - 6:30 G&M Division Field Trip 2: Participants will walk from the Hilton to the International Trade Mart where they will be given a slide lecture and briefing on the Port of New Orleans. Following the briefing the group will walk to the Bienville St. wharf, board a fireboat for a tour of the port facilities, and then walk to the Royal Sonesta hotel for lunch. After lunch the group will board a bus for a trip to the San Francisco Plantation. Travel between New Orleans and the plantation will include both modern interstate highways and the historic River Road. Note: Limited to 33 people. All transportation through lunch will be on foot. If the fireboat is unavailable on the day of the tour the group will board the "Natchez" at the Toulouse St. wharf. Participants will be charged an additional fee to board the "Natchez".

Division Program Planner: Marsha L. Selmer, University of Illinois at Chicago, The Library - Map Section, P.O. Box 8198, Chicago, IL 60680, (312) 996-5277.

MAP & GEOGRAPHY ROUND TABLE (MAGERT)

For general information and conference highlights, see "ALA Annual Conference, Los Angeles, June 25-30, 1983" in the January 1983 issue of American Libraries, p. 49-52. The following information is from base line (4)1:12 (i.e., the February 1983 issue):

Fri. June 24, 9:30 a.m. - 5:30 p.m.: Pre-Conference Workshop / Map cataloging: the basics of AACR II and cartographic materials. Led by Laura MacQueen of USGS Library, Reston, and Gil Baldwin, GPO, Washington D.C.

Sat. June 25, 9:30 a.m. - 11:00 a.m.: Government Mapping Update (co-sponsored by GODORT (Government Documents Round Table) / Gil Baldwin, GPO; Bernadine Hoduski, Joint Committee on Printing, U.S. Congress; and Gary North, U.S. Geological Survey; others.

Sat. June 25, 11:30 a.m. - 12:30 a.m.: Cartographic Users Advisory Council: Feedback and input on the Government Mapping Update. Stan Stevens, chair of CUAC will lead discussion.

Sat. June 25, 2:00 p.m. - 4:00 p.m.: What now from the utilities? (MAGERT on-line users task force): Penny Mattern, OCLC; Raymond P. DeBuse, WLN; Phil Hoehn and Alice Hudson (tentative!) RLG map conspectus report.

Sat. June 25, 8:00 p.m. - 10:00 p.m.: Executive Board & committee chairs.

Sun. June 26, 8:00 a.m. - 9:00 a.m.: Publications Committee meeting.

Sun. June 26, 9:30 a.m. - 11:00 a.m.: Business Meeting I: Committee reports; new officers introduced.

Sun. June 26, 11:30 a.m. - 12:30 p.m.: Exhibits Committee meeting.

Sun. June 26, 2:00 p.m. - 4:00 p.m.: Mapping the Trans-Mississippi West, Part II / Jim Coombs, S.W. Missouri St. Univ., "The Southwest Route, Missouri to California"; Dr. John B. Carver, Jr., National Geographic Society: "Mapping the Southwest--the 20th century perspective"; Prof. Norman J.W. Thrower, UCLA: "Mapping the U.S.- Mexican border, from earliest reconnaissance surveys to Landsat imagery".

Sun. June 26, 4:30 p.m. - 5:30 p.m.: Possible continuation of above with additional speaker--antiquarian map collector or dealer from L.A. area.

Mon. June 27, 9:30 a.m. - 11:00 a.m.: Contributed Papers Session: Judith A. Tyner, UC Long Beach, "The changing appearance of American atlases, 1794-1982"; Ralph E. Ehrenberg, L.C. Geography and Map Division, "Recent developments in map microfilming."

Mon. June 27, 2:00 p.m. - 4:00 p.m.: Continuing Education Session: A Mosaic of Topics/ David Cobb, U. of Illinois, Urbana-Champaign: "Reference service, map librarianship's forgotten topic"; Judy Rieke, Texas A & M, "Aerial photographs--ways to understand and use them"; Daniel T. Seldin, Indiana Univ., "The L.C. Summer Map Project".

Mon. June 27, 4:30 p.m. - 5:30 p.m.: The Mapping and Geography of Wine (ticketed event, limited attendance). Phil Hoehn, U.C. Berkeley, and Mary Larsgaard, Colorado School of Mines, lead us on a tour of viticultural cartography. Tickets available at Business Meeting I.

Tues. June 28, 9:30 a.m. - 11:00 a.m.: Business Meeting II: Committee Appointments, Installation of New Officers.

Tues. June 28, 11:30 a.m. - : Executive Board Lunch & Debriefing.

Map Librarian Job Opening

Notice of Vacancy, January 7, 1983, Ellensburg, Washington:

APPLICATION DEADLINE: To insure consideration, all application materials must be postmarked no later than Friday, April 15, 1983.

TITLE: Assistant Documents/Maps Librarian

GENERAL DESCRIPTION: To assist the Documents Department Head in management of a selective depository library collection exceeding 300,000 items, a microform collection approaching 615,000 items, and a map collection containing 68,000 maps.

SPECIFIC DUTIES AND RESPONSIBILITIES: Provides documents reference service on a scheduled basis; participates in conducting tours and providing instruction in the use of government publications and maps; engages in collection development of documents, maps, microforms, and general collectins; responsible for technical processing of maps; provides on line searching services; supervises technicians and student assistants; participates as a faculty member in University and Library activities; meets a schedule averaging forty hours per week, including evening and weekend assignments.

QUALIFICATIONS: Minimum: Master of Library Science degree from an ALA accredited library school; meet CWU Faculty Code requirements for rank of Assistant Professor; three or more years of professional experience in an academic library, including at least one year in government publications; demonstrated organizational, supervisory, communications, interpersonal skills. Desirable: doctorate or second master's in social science, geography, or geology; undergraduate background in social science, geography or geology.

APPOINTMENT INFORMATION: Salary (12 month) depending upon qualifications, \$20,554 minimum. Tenure track. Generous benefits, 22 working days vacation, TIAA-CREF.

AVAILABLE: July 1, 1983.

APPLY TO: Mrs. Ruth D. Hartman, Search Committee Chair
c/o Dean's Office
Central Washington University Library
Ellensburg, Washington 98926

Applicants are required to submit a letter of application, a resume, and the names of three references. Equal Employment Opportunity/ Title IX / Affirmative Action institution.

Bench Marks!

- * Daniel Seldin, Indiana University, Bloomington, is President Elect and on the Board of the Indiana Chapter of the Special Libraries Association. An Associate Member of WAML, Dan is the Geography and Map Librarian, Department of Geography, his new telephone number is 812 - 335-1108.

- * Paul Stout, also an Associate Member of WAML, Map Librarian at Ball State University, Muncie Indiana, is also on the Board of the Indiana Chapter of the Special Libraries Association as Treasurer.

- * Richard E. Murphy The Library of Congress Information Bulletin of December 3, 1982, reported the death of this distinguished geographer at the the University of New Mexico, Albuquerque, who died on October 21 following a long illness. Dr. Murphy founded the University's Geography Department and served as its chair from 1965 until 1982. He was internationally known for the development of a classification system for mapping world land forms, which took him nine years to perfect.

Dr. Murphy's long association with the field of geography began with his employment in the Library of Congress Map Division in 1949. He served as head of the Division's Reference Section from 1953 to June 1955 when he resigned to begin his teaching career as assistant professor of geography at George Washington University.

- * Peter Stark Appointed Map Librarian, University of Oregon, Eugene, effective Feb.'83. He will fill the vacancy created by the retirement of Ed Thatcher, a founder of the Western Association of Map Libraries. Susan Trevitt Clark, assistant to Ed Thatcher has been acting head of the Map Collection during the interim; she will continue as Peter Stark's principal assistant.

Peter leaves his position as Assistant Documents/Map Librarian at Central Washington University, Ellensburg, formerly occupied by Mary Larsgaard. (see announcement of Job Opening, this issue)

Peter has also accepted the appointment by Stanley Stevens, Editor of the WAML Information Bulletin, to the position of Atlas and

Book Review Editor for the Information Bulletin. This position has been vacant since the resignation of Sandra Lamprecht in June 1982.

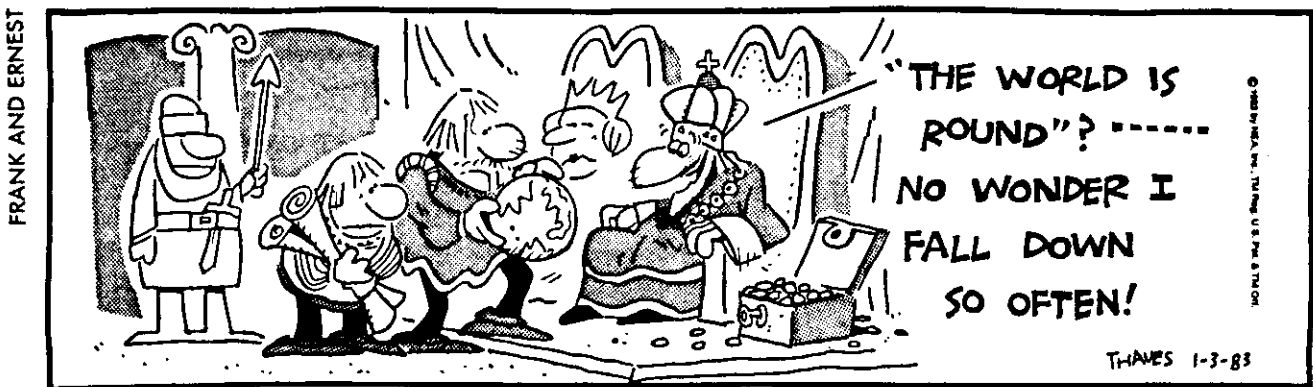
- * Steven Hiller, University of Washington Libraries, Seattle,
&
Muriel Strickland, San Diego State University Library,

were among thirty participants in the Newberry Library's Summer Institute in Cartography held from June 7 to July 2 of 1982. The participants in the NEH funded program included eighteen teaching faculty and twelve representatives from libraries, historical societies and museums. The Institute focused on four themes: history of cartography (taught by David Woodward), antiquarian map librarianship (Robert Karrow), historical map making (John Long), and map use in historical research (David Buisseret). The Institute also presented numerous guest lecturers and several field trips.

- * Richard W. Stephenson, head of the Reference and Bibliography Section, Geography and Map Division, was the luncheon speaker on October 22, 1982, at the annual conference of the North American Cartographic Information Society held in Arlington, VA. Mr. Stephenson, who is also the current president of the Washington Map Society, addressed this diverse group of map makers, map librarians, map users, and map distributors, on the subject of "The Collecting of Old Maps: a field of expanding activity".

- * Janet Collins, Western Washington University, Bellingham
Joanne M. Perry, Oregon State University, Corvallis
Constance M. Piquette, University of Montana, Missoula

all Principal Members of WAML, participated in the 31st Map Processing Project at the Geography and Map Division, The Library of Congress, during the summer of 1982.



MicroCartography

Ninth in a Series.

by

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WAML Map Microfilming Consortium

In the last issue (November 1982), readers were asked to report on their interest in joining a map microfilming consortium under WAML auspices. The consortium would provide a group structure through which interested libraries could create microfilm map sets. The map sets would either replace backfiles, or be completely new things not affordable otherwise.

While the number of responses to the questionnaire was small, ---only nine---the encouragement was disproportionately great: eight people were for the idea, and only one against it, an "encouragement" rate of almost 90%. Most of those who responded were in favor of "selected" projects, and, like me, most wanted to keep the projects as inexpensive as possible. Also, at least eight institutions are interested in getting something done using microforms for their own benefit as well as for all who might buy the results of such projects. The advantage to such core participants, of course, is their right to affect results in their own self-interest, and to save more money than any subsequent purchases. (If it sounds like I'm still trying to enlist more volunteers, you're right!). So, those of us at the Spring WAML meeting will get together to try formalizing this effort. We can then make a more firm proposal to the map library community.

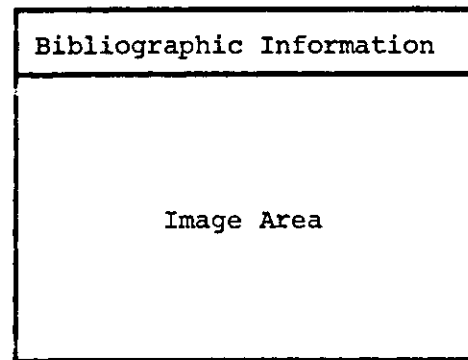
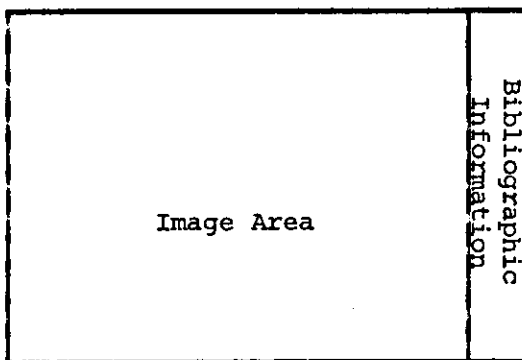
The survey responses and some recent literature revealed: a microform set just waiting to be copied and distributed, a number of suggestions on new, manageable projects, as well as the emerging details of a pilot map microfilming project at the Library of Congress.

First, Dr. Marvin W. Falk volunteered that his Cartobibliography of Alaska to the year 1900 would be published shortly by Garland of New York. Dr. Falk, who is Curator of Rare Books at the Elmer E. Rasmuson Library, University of Alaska, Fairbanks (and a Member of WAML), also mentioned that all of the collections' rare maps had already been placed on 4" x 5" negatives. Because these negatives are barely within the 4" x 6" size constraints of the microfiche format, it might be worthwhile to consider the transfer of such a set onto microfiche as a worthwhile consortium project.

There are one or two problems inherent in creating such microfiche. One is, where do you put the traditional eye-legible "header" information? Conventionally, this is a (about) 1/2" margin running the length of a long side of the fiche, one of the 6" sides. This reduces the 4" of the fiche down to about 3 1/2". Either the image area of a 4" x 5" negative can be fit within that constraint somehow, or the header information must be rotated to one of the 4" sides. This will make the microform somewhat more difficult to retrieve once filed, since the header will no longer be at the top where it is easy to read. Though an inconvenience, this seems an acceptable alternative to the expense and technical challenges of making entirely new negatives. The following illustrations will display this dilemma:

Fiche Based on A 4" x 5" Negative

Standard Fiche



I have Bob Karrow (Map Curator, Newberry Library) to thank for the solution to that problem. In response to the current survey, Bob also had two project suggestions with great appeal. Why not microfilm the Irish Townland Survey maps of 1835-1845, and the Topographic Map of the Austro-Hungarian Empire, ca. 1870-1900 (on ca. 750 sheets). Genealogists would love both projects, and there are any number of justifications for them by academicians in the humanities, too.

Riley Moffat, WAML President, suggested we take on the General Land Office maps of 1833-1944. His other suggestion was a microfiche set of the maps generated by the Hayden, King, Powell, and Wheeler expeditions in the American West. While these maps have already been microfilmed a number of times, they have never been filmed properly. This stems from the fact that the reports with which they are associated led the publishers to treat them with a text-sized format. The resulting images are over-reduced and impossible to read at any level of magnification. Originals of these maps are getting frightfully expensive, to the point where so much effort need be expended on their safe keeping as artifacts that their information value is becoming moot. Which is not to say the originals are not better than a microform, but not everyone can afford the originals.

Map Microfilming at LC

In a closely related matter, the Library of Congress' Geography and Map Division has begun a pilot project to microfilm maps in the same format as the WAML Consortium is considering. Being filmed right now are the (about) 1900 maps in the LC checklist on land ownership maps. This is to be followed by similar projects based on the checklists of panoramic, Civil War, and railroad maps. (see: SLA G&M Division Bulletin No. 130, Dec. 1982, p. 36; or, LC Information Bulletin 41 (50 & 51), Dec. 20, 1982, p. 428.) This enterprise deserves what ever support those interested in microforms can give, including letters, skin grafts, or whatever else might help. What would be especially nice would be a concerted effort to meld the Consortium idea--dirt cheap map microforms purchased in sets--with LC G&M's ability to draw on their phenomenal holdings and organize the microfilming. If you would like to have some effect, try writing to Mr. Ralph Ehrenberg, Assistant Chief, Geography and Map Division, Library of Congress, Washington, D.C. 20540.

This good news about the birth of a new program is tempered by the knowledge that LC's camera is the same one once used by the National Archives to film its manuscript maps. The demise of the National Archives' manuscript map microfilming program is doubly unfortunate because of the sad state many irreplaceable old maps are in, and because it denies map libraries access to an invaluable resource. At least the camera is not sitting idle, thanks to John Wolter and Ralph Ehrenberg.

A long-term concern for the LC pilot project remains: its cost. The Land Ownership microfiche will probably not be finished before summer of 1983; the unit cost has not been calculated yet. Since a full set of such maps might cost \$500 under Consortium circumstances, there would not be much budget money left over for simultaneous releases from anyone else, especially if, in order to keep costs down, entire sets are purchased. This is a problem that we will have to work out at the Spring Meeting, too. One alternative is to keep our sights at a realistic level, producing smaller, inherently appealing sets at first, though I do not know what.

Sanborn Survey

There were ten responses to the survey of preferences for Sanborn fire insurance maps. Again, this is probably too small a sample to build a marketing program on. Having said that, the results of this limited sample were clear on only one thing: 80% of the respondents preferred the microfiche format over roll film, despite the fact that it would be more expensive per map, and more prone to misfiling or theft (it would also be cheaper to replace and add to incrementally).

Concerning organization of the sets, there was no clear indication of a preference: Republicans and Democrats seem to have voted in equal numbers. What follows is the average of all votes, in their respective categories: (refer to page 7 of the November 1982, Information Bulletin, "MicroCartography" for the complete Description of the Alternatives)

Results of Preference Poll

Alternatives (Primary grouping listed first
/ then Secondary grouping)

	<u>Preference Rank</u>	<u>Average</u>
B: Sub-Region of a State / 1. County 2. City	1st	4.2
A: State / City	2nd	4.1
C: Sub-Region of a State / City	3rd	3.9
G: City / ----	4th	3.8
F: Metropolitan Area / City	5th	3.7
D: Group of Counties / 1. County 2. City	6th	3.5
E: County / City	7th	2.2

The Averages are the sums of all preferences, divided by ten. But the first five rankings are so close together they might almost be even.

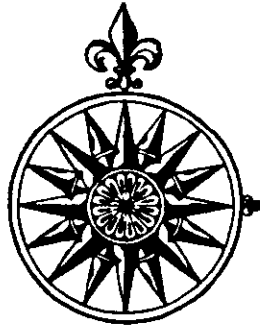
Of the several conclusions that are possible to draw from this survey, some would be that: map librarians who have really felt a need for these microfilms have already had them filmed by LC Photoduplication; and, the project is just so flat-out mind boggling that most map librarians feel neither able nor inclined to submit an opinion.

Videodiscs

There are two excellent articles about the relationships between videodiscs and microforms in the February 1983 issue of the Journal of Micrographics: "Are Micrographics and Optical Data Discs Competing Technologies?," by Dr. Gerry Walter (pp. 37-39), and "The Impact of Digital Storage on Micrographics Storage", by A.H. Sporer (pp. 41-45). In the first, emphasis is placed on the

difference between DOCUMENT storage and retrieval (microforms), and INFORMATION storage and retrieval (discs). As the author makes clear, it is the difference between these two considerations which fundamentally separates the value of the two systems; neither is capable of really competing with the other. If, as in most libraries, humans are to analyze documents, microfilm cannot be surpassed. If, on the other hand, information must be manipulated, analog or digital discs are unsurpassed.

In the second article, Mr. Sporer rigorously analyzes the physical storage capacity of the two mediums and their information handling capacity. He factors in all of the variables needed to produce either medium, the gross and incidental costs, and concludes, in part, that "the storage of pictorial information provides microfilm with a 450-fold advantage in storage density over digital magnetic storage. For digital optical recording, the advantage of microfilm storage is about sevenfold" (p. 43). This is about the most dramatic and incisive testimonial to the long-term need for "pictorial" (read "map" and "air photo") document (not information) carriers I have yet seen. And one of the best general perspective-inducing articles on future trends to appear.



A GEOLOGICAL PERSPECTIVE... a column for reports of cartographic products of interest to scientists and geoscience developments of interest to map librarians

by

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In this column, I'll be discussing reference tools that are useful in locating geologic mapping or in working with geologic maps, with a brief look at what the future may hold.

One of the common and more difficult tasks a map librarian faces is to determine what geologic mapping exists for a given area. Geologic maps are often published as parts of books or bulletins, so you can't just look in your map drawers.

If you're looking for a broad area such as a region, country or continent, the two most useful starting places I've found are: Geologic Reference Sources (Ward, 1981) and the Encyclopedia of World Regional Geology (Fairbridge, 1975).

Geologic Reference Sources contains a regional section which includes citations to both publications and maps on various areas. The Fairbridge volume contains general articles about regions and countries in the Western Hemisphere. The articles often include generalized maps and always have a good bibliography.

Determining what geologic mapping exists for smaller areas requires different tools. There are three main approaches. One is to determine the names of the area you're interested in and use an index to see what maps are listed under those terms. This is the approach used in searching GeoRef and other online bibliographic databases, library catalogs, the USGS Catalog of Publications, or Andriot's Guide to U.S. Government Maps (all useful sources). But figuring out what geographic term is assigned to an area can be tricky. Will you find maps of the Santa Monica Mountains listed under Santa Monica Mountains? Or under a county name? Or under a geologic term like the Transverse Ranges? A regional term like Southern California? A local term like Will Rogers State Park? Or the quadrangle name? Although there are standards for each of the tools, such as the GeoRef Thesaurus, the problem remains.

Joe Crofts published an index to USGS geologic maps of California by quadrangle names recently in the WAML Information Bulletin. So if you happen to want USGS maps of California you can avoid the terminology question by looking up the quadrangle name in his index. But a lot of the work on California was not done by the

USGS, so this index isn't a complete solution. (Nothing is: I guess that's why map librarians are still needed....)

The second approach to determine what mapping exists is the use of coordinate searching. My November 1981 column (Pruett, 1981) and the 1982 article by Farrar & Lerud have details on coordinate searching, so I won't go into it here. Although coordinate searching has great potential for solving the terminology problem, it hasn't done so yet.

The third approach, the use of a graphic index map, is by far the most useful. Map librarians use index maps all the time, but other kinds of librarians often don't instinctively understand their power. Figure 1 is an example of a graphic index, a base map with the areas covered by various maps sketched in. Note that the numbers refer you to bibliographic citations in the margins. I find an index like this the most useful to find the coverage of a particular area.

Figure 1 is a small part of the Geologic Map Index of Colorado, one of the USGS series Index to Geologic Mapping. Each state index in this series includes both published and open-file maps of the USGS, published maps of the State surveys, and maps published by other organizations. Unfortunately, they've never been kept up to date (what is?) and every library which wanted to be current had to index the new geologic maps by hand. However, now that the USGS is using a database to produce the indexes, perhaps they'll be more up to date. In the future the indexes will be published from the database with at least three sheets for each state, separating what's indexed on each sheet by the scale of the map indexed. Details of this new database are in USGS Professional Paper 1172 (Fulton, 1982).

The following states in the WAML Principal Region have USGS Geologic Map Indexes available: Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Utah, Washington, and Wyoming (McIntosh & Eister, 1975 through 1982). They are all free upon request from the USGS.

In addition to the USGS indexes, useful indexes may also be produced by the state geological surveys. For instance, in California the Geological Atlas of California includes a graphic index to all the sources for the atlas and has been kept up to date by a series of indexes published as California Division of Mines and Geology Special Reports (Strand, 1958; Koenig, 1962, 1968; Kiessling, 1972, 1972, 1981). Nevada also has a graphic index produced by the state survey (Lutsey, 1971).

Although most map librarians know about the available graphic indexes and other approaches to finding what geological mapping exists, they often don't know what to do when someone asks them to locate a particular formation in the U.S. Or what to do when they have a geologic map before them and they need more information on one of the formations. The Lexicon is the tool which performs a

function for locating formations similar to the function that a gazetteer performs in locating a geographic area. (Gazetteers, of course, are also useful as reference tools with geologic maps.)

Idaho has a Lexicon of its own produced by the Idaho Bureau of Mines and Geology (Savage, 1968), but the other states in the WAML Principal Region rely on the USGS Lexicon of Geologic Names of the United States. In the USGS Lexicon you find official formation names with descriptions of the type sections, the age of the formation, etc. Figure 2 is a sample entry from the Lexicon. The original Lexicon was published in 1938 (Witmark, 1938) and it has been updated on an irregular schedule by USGS Bulletins and Professional Papers (Wilson, 1957; Keroher, 1966, 1970; Luttrell, 1981; Sohl, 1977, 1978, 1979, 1980). The data through 1975 has recently been computer-coded and published as USGS Bulletin 1535 (Swanson, 1982).

Note that the two major USGS tools I've mentioned (the Index to Geologic Mapping and the Lexicon) have recently become databases.

One day soon you'll be able to dial up someone's computer, type in some coordinates or a term, look at the index map that appears on your CRT, pick the map you want and display it on the same CRT.

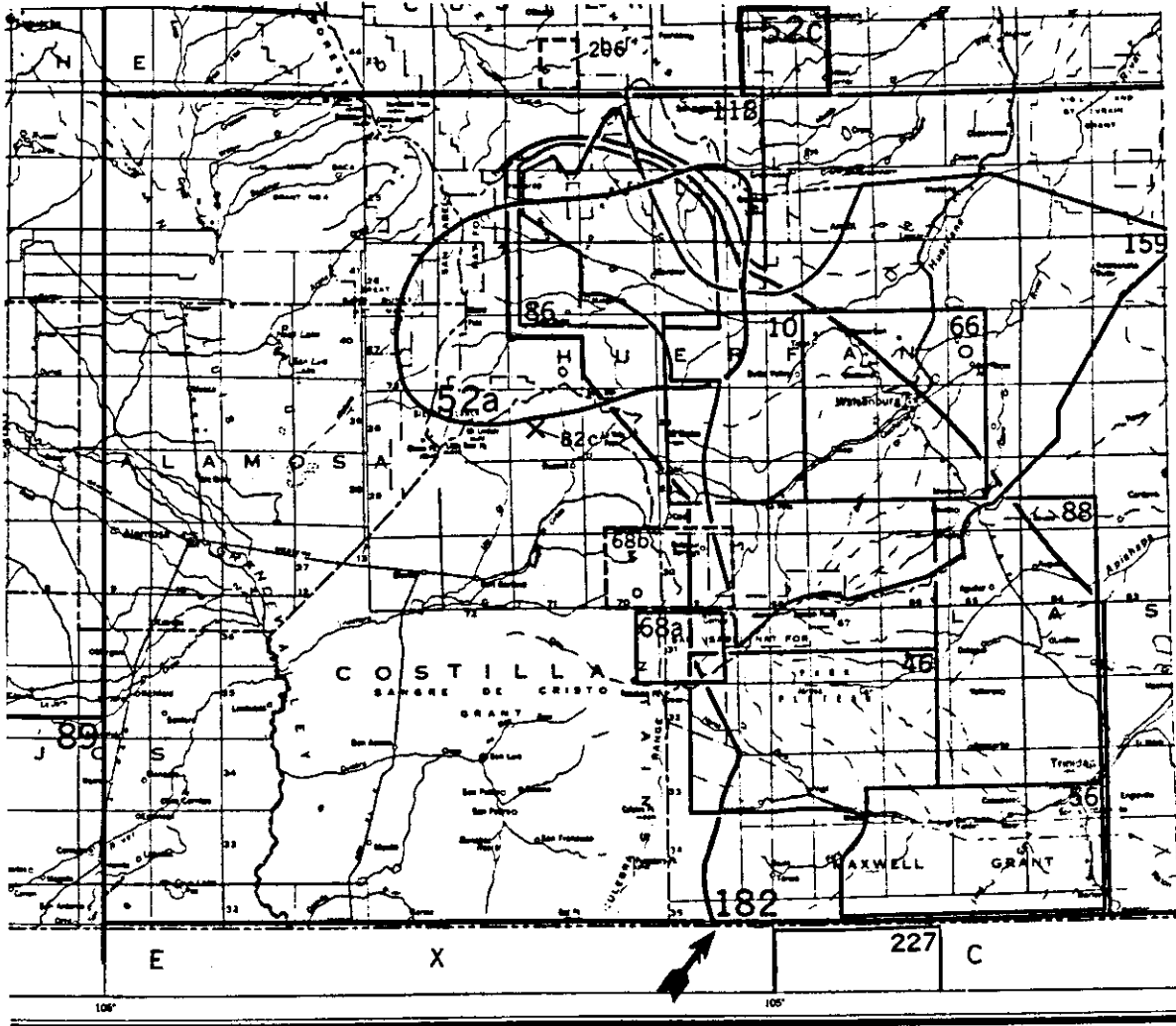
This scenario greatly appeals to me. The biggest advantage to online access is that you can have access to a lot more information without maintaining a gigantic collection. And, based on my experience with online bibliographic files, as soon as a database exists you will want direct access to it, even if the printed product continues to be produced. Anytime you rely on the printed product, you're wondering if there's something newer in the database.

Currency remains a problem, however, since there can still be delays before data is entered into the database. Comprehensiveness will remain a concern, too, since we'll continue to chase fugitive data that isn't in the database. And there are new issues, too. To what extent does the government have an obligation to provide material in electronic format for public access? What if an intermediary puts government information in a special format (like videodisc)? How much can they charge for the "added value" they've provided? How can the quality of the data be protected? What about when there are only databases (or videodiscs) and no printed maps? Once these kinds of basic access questions are answered (or maybe before they're answered...), there are more issues. Will there be as many search systems as databases? (Heaven forbid!) How will we be trained to use the systems? What equipment will be needed to access them?

It seems the old complications are being replaced by new ones. It's an exciting time to be a map librarian. It reminds me of the ancient Chinese curse, "May you live in interesting times".

Figure 1

An Example of a Graphic Index to Geologic Maps



180. Varnes, D. J., and Scott, G. R., 1967, General and engineering geology of the United States Air Force Academy site, Colorado: U.S. Geol. Survey Prof. Paper 551. Pl. 1, 1:12,000. Also detailed maps.
181. Brock, M. R., and Singewald, Q. D., 1968, Geologic map of the Mount Tyndall quadrangle, Custer County, Colo.: U.S. Geol. Survey Geol. Quad. Map GQ-596. 1:24,000.
182. Johnson, R. B., 1968, Geology of the igneous rocks of the Spanish Peaks region, Colorado: U.S. Geol. Survey Prof. Paper 534-G. Pl. 1, 1:125,000.
- Johnson, R. B., 1961, Coal resources of the Trinidad coal field in Huerfano and Las Animas Counties, Colo.: U.S. Geol. Survey Bull. 1112-E. Pl. 12, 1:250,000.
183. Hedlund, D. C., and Olson, J. C., 1968, Geologic map of the complex of alkalic rocks at Iron Hill, Gunnison County, Colo.: U.S. Geol. Survey open-file map. 1:12,000. (Wa, Da, Db, M, U.)
184. Fischer, R. P., Luedke, R. G., Sheridan, M. J., and Raabe, R. G., 1968, Mineral resources of the Uncompahgre primitive area, Colorado: U.S. Geol. Survey Bull. 1261-C. Pl. 1, 1:62,500.

From: McIntosh, W. L. and Eister, Margaret F., 1982. Geologic Map Index of Colorado, Part B, 1953-1969.

Figure 2

A sample entry from the Lexicon

Topango Formation¹

Miocene, middle: Southern California.

Original reference: W. S. W. Kew, 1923. *Am. Assoc. Petroleum Geologists Bull.*, v. 7, p. 411-420.

A. O. Woodford, T. G. Moran, and J. S. Shelton, 1946, *Am. Assoc. Petroleum Geologists*, v. 30, no. 4, p. 515-520. In Puente and San Jose Hills area, subdivided to include Buzzard Peak conglomerate member (new) near top. Here underlies Puente formation and overlies [Glendora volcanics]. Thickness 3,000 feet.

Takeo Susuki, 1952, (abs.) *Geol. Soc. America Bull.*, v. 63, no. 12, pt. 2, p. 1345. At type locality, consists of more than 8,000 feet of conglomerates, sandstones, and shales with intercalated basalts; disconformably overlies Oligocene Sespe and underlies Upper Miocene Modelo shales with marked angular unconformity.

G. J. Neunerburg, 1953. *California Div. Mines Spec. Rept.* 33, p. 6 (table 1), 20-23. In Griffith Park area, Los Angeles County, composed of three unnamed members each separated by unconformities; aggregate thickness 4,900 feet. Underlies Hollycrest formation (new); unconformably overlies Cahuenga beds (new).

J. E. Schoellhamer and others, 1954, *U.S. Geol. Survey Oil and Gas Inv. Map OM-154*. Mentioned in Santa Ana Mountains area where it underlies La Vida member (new) of Puente formation.

J. G. Vedder, R. F. Yerkes, and J. E. Schoellhamer, 1957, *U.S. Geol. Survey Oil and Gas Inv. Map OM-193*. In Orange County, subdivided into three members (ascending): Bommer, Los Trancos, and Paularino.

Type locality: Topanga Canyon, 10 miles northwest of Santa Monica, Los Angeles County.

From: Keroher, G. C. and others, 1966. *Lexicon of Geologic names of the United States for 1936 - 1960*, U. S. Geological Survey Bulletin 1200, p. 3921.

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CONVERSION TABLES
FROM DMA/AMS STANDARD SERIES DESIGNATION
TO GSGS NUMBERING
AND
FROM GSGS NUMBERING
TO DMA/AMS STANDARD SERIES DESIGNATION

by

Jim Walsh and Dan Hernden

A large percentage of maps that are part of the Defense Mapping Agency/Army Map Service (DMA/AMS) depository collection were compiled by the Geographical Section General Staff (GSGS), Directorate of Military Survey, British Army, and were reprinted by the DMA/AMS. Each mapping agency has its own numbering or classification system to organize its respective series of maps. This is the source of a problem which has puzzled map librarians for decades. In an attempt to unravel this problem these Conversion Tables have been created.

The DMA/AMS uses the Standard Series Designation (SSD) which consists of two forms. Form A consists of a four-digit number, e.g., 1301, and is used for maps at a scale of 1:255,000 or smaller that cover a continent, comparable area, or more than one region. It is also used for all World series maps. Form B of the SSD is an alpha-numeric code consisting of a letter and three numbers, e.g., M961, and is used for map series that do not extend beyond a regional area as outlined on the "Index to Regional Areas".

The GSGS uses a four-digit numbering code for its maps.

In many instances the "Index to Regional Areas" cannot be used to locate a series if it is a GSGS series reprinted by AMS.

The Conversion Tables will direct a user from DMA/AMS numbering to GSGS numbering, and vice versa.

The DMA Map Depository Catalog was a source used to compile the Conversion Tables. If a DMA/AMS number was already assigned to a GSGS produced series, that number is included in the tables. There are instances when a DMA/AMS number was not assigned to a GSGS number. In these cases the "Index to Regional Areas" and the three page publication, "Explanation of AMS Series Numbering", were used to establish a DMA/AMS SSD number.

Some DMA/AMS map series do not have corresponding GSGS numbers because the maps were produced by the DMA/AMS. There may also be a few instances when a DMA/AMS series was originally produced by the GSGS, but the resources available to us did not permit the establishment, verification or creation of a DMA/AMS map series number.

As other map librarians use these Conversion Tables and discover additional DMA/AMS - GSGS "matches", the authors encourage this new information to be forwarded to Jim Walsh so that an update may be published and the information can be shared with other map librarians.

Jim Walsh is Maps/Documents Librarian at Coe Library, University of Wyoming, University Station, Box 3334, Laramie, WY 82071.

Dan Hernden is Student Map Assistant at Olson Library, Northern Michigan University, Marquette, MI 49855.

CONVERSION TABLE
 FROM DMA/AMS STANDARD SERIES DESIGNATION TO GSGS NUMBERING

<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>
1101	5202	C501
1102	5203	C521
1103	5204	C531
1104 3953	5205	C541
1105	5206	C561
1106	5207	C562
1107	5208 4340	C651
1111	5209 4108	C661
1125	5210 4327	C761 4138
1127	5211	C861 4186
1130	5212 4206	C866
1140	5213	C961 4190
1142	5301	C961 4191
1144	5302 2758	C961 4192
1145	5304	E321
1147	5305	E340
1200	5306	E401
1201	5307	E421
1202 2957	5308	E431
1203	6201	E461
1204	6203 4464	E491
1205 4281	6302	E501
1206	6303	E521
1209	7201	E531
1301 2465	7301	E532
1301 2555	7401	E540
1301 2758	7402	E541
1301 4646	8101	E552
1304W	8201	E621
1306	8202	E631 2942
1308	8204	E641
1404 4830	8205	E691
2101	8301	E711
2102 4209	8302	E741
2201 2871	9101	E742
2202	9200 4283	E743
2203	9201	E744
2204 4256	9203	E745
2301	9301	E781
2302 2465	9302	E831 2941
4201	9306 4204	E882
5100 4304	A401	E883
5101	A402	E981
5102 4207	A521	E991
5103 4304	A522	F401
5104 3953	A621 590	F541
5104 4625	A681	G410 4125
5105 4206	A721	G442 3921
5105 4207	C361	G451 4903
5201	C401	G501 4149

FROM DMA/AMS STANDARD SERIES DESIGNATION TO GSGS NUMBERING

<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>
G503	L501	M305
G504	L501	M341
G520 4149	L501	M380 4352
G541 4434	L502	M381 4331
G611 4111	L503	M391
G611 4112	L506	M392 4176A
G611 4113	L509	M404 4072
G611 4114	L522	M405 4160
G611 4115	L531	M405A 4160
G611 4116	L532	M406
G612 4117	L541	M407 4160
G612 4118	L542	M421
G612 4119	L551	M422 4369
G621	L552	M431 4183
G711 4110	L561	M440 4478
G901 4353	L571	M481
G941	L581	M482 4170
H201	L582	M501
H401	L591	M503 4042
H971	L593	M504 3974
J401	L594	M505 4238
J931	L601 3961	M506 4375
K201	L602 4255	M506 4410
K211 4292	L603 4254	M506 4412
K221 4244	L701 2400	M506 4413
K300 4235	L704 3789	M508 4346
K332	L705 4203	M513 4093
K421 4194	L731 3789	M514 4479
K461 4802	L751	M515
K462	L761	M521 3957
K501 3919	L762	M521 3958
K502	L763	M521 4142
K511 4193	L764	M523
K512 3974	L772	M541 4346
K521 4195	L773	M561 2738
K631 4078	L774	M562
K631 4079	L775	M581
K761 4035	L791	M582 2920
L201	L792	M591 4230
L301	L881 3831	M592 4729
L302	L901 3831	M601 4396
L303	L901 3890	M603 4336
L305 3910	L901 3956	M603S 4336
L307	L901 3959	M604
L351	L901 4597	M610 4090
L441 4219	L902	M614 4418
L451	L941	M623 4139
L480 4222	L951	M631 2541
L491	L981 3956	M641 4416
L500	L991	M651 4416

FROM DMA/AMS STANDARD SERIES DESIGNATION TO GSGS NUMBERING

<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>		
M651S	4416	N503	S831	
M661	4249	N504	S851	
M671	4416	N561	S901	
M671S	4416	N571	T201	3860
M680	4109	N610	T221	1981
M682	4134	O471	T281	4283
M682	4373	P401	T401	
M682	4376	P404	T451	4271
M683	4316	P410	T503	
M683	4321	P451	T504	
M691	4164	P461	T511	4550
M701		P472	T521	
M703	4040	P502	T531	
M704	4242	P531	T532	
M710	4246	P541	T541	
M741	4162	P551	T543	
M763	4398	P572	T551	
M780	4145	P610	T552	
M781	4144	P610	T590	4344
M782	4144	P610	T622	4201
M783	4144	P610	T631	
M784	4144	P610	T632	
M785	4144	P611	T662	
M786	4144	P611	T663	
M787	4144	P632	T710	4184
M788	4144	P651	T722	4202
M789	4122	P661	T723	4287
M789	4123	P662	T731	
M789	4124	P671	T732	
M789	4141	P721	T761	
M791	4229	P721	T791	
M792	4162	P732	U501	3919
M801		P741	U501	4218
M890	4228	P751	U502	
M893	3859	P911	U511	3919
M894	4406	P931	U541	4218
M901	4415	P941	U542	
M902	4450	P951	V402	
M932	4420	P961	W511	
M961	4234	P971	W532	
M963	4381	Q501	W541	
M981	4409	Q701	W543	
M991		S401	W711	
M992	4378	S501	W741	
M993	4379	S651	W742	
M994	4380	S712	W751	
N410	4224	S731	W752	
N412	4312	S741	W822	
N501		S751	W841	
N502		S821	W851	

CONVERSION TABLE
 FROM DMA/AMS STANDARD SERIES DESIGNATION TO GSGS NUMBERING

<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>	<u>DMA/AMS # - GSGS #</u>
W853	X752	Z421
W854	X771	Z441
X321 4298	X772	Z442
X401	X871	Z501
X402	Y301	Z521
X511 4344	Y401	Z522
X551	Y471 4243	Z523
X611	Y502	Z540
X621	Y503	Z541
X631	Y530	Z542
X660 4299	Y541	Z610
X660 4300	Z201	Z611
X671	Z301	Z621
X751	Z401	

FROM GSGS NUMBERING TO DMA/AMS SERIES DESIGNATION

<u>GSGS # - DMA/AMS #</u>	<u>GSGS # - DMA/AMS #</u>	<u>GSGS # - DMA/AMS #</u>			
590	A621	4090	M610	4184	T701
1981	T221	4093	M513	4186	C861
2400	L701	4108	5209	4190	C961
2465	1301	4109	M680	4191	C961
2465	2302	4110	G711	4192	C961
2541	M631	4111	G611	4193	K511
2555	1301	4112	G611	4194	K421
2738	M561	4113	G611	4195	K521
2758	1301	4114	G611	4201	T622
2758	5302	4115	G611	4202	T722
2871	2201	4116	G611	4203	L705
2920	M582	4117	G612	4204	9306
2941	E831	4118	G612	4206	5105
2942	E631	4119	G612	4206	5212
2957	1202	4120	P611	4207	5102
3753	P572	4121	P410	4207	5105
3789	L704	4122	M789	4209	2102
3789	L731	4123	M789	4213	N561
3831	L881	4124	M789	4218	U501
3831	L901	4125	G410	4218	U541
3859	M893	4132	P611	4219	L441
3860	T201	4134	M682	4222	L480
3890	L901	4138	C761	4224	N410
3910	L305	4139	M623	4225	P751
3919	K501	4140	C361	4226	P651
3919	N571	4141	M789	4227	P551
3919	U501	4142	M521	4228	M890
3919	U511	4144	M781	4230	M591
3921	G442	4144	M782	4231	P461
3953	1104	4144	M783	4232	P741
3953	5104	4144	M784	4233	P732
3956	L901	4144	M785	4234	M961
3956	L981	4144	M786	4235	K300
3957	M521	4144	M787	4238	M505
3958	M521	4144	M788	4241	P931
3959	L901	4145	M780	4242	M704
3961	L601	4149	G501	4243	O471
3974	K512	4149	G520	4243	Y471
3974	M504	4160	M405	4244	K221
3980	P661	4160	M405A	4246	M710
4035	K761	4160	M407	4249	M661
4040	M703	4162	M741	4251	L501
4042	M503	4162	M792	4252	L501
4072	M404	4164	M691	4253	L501
4072A	P404	4170	M482	4253	L502
4076	P662	4173	P531	4254	L603
4078	K631	4175	P401	4255	L602
4079	K631	4176A	M392	4256	2204
4084	P472	4180	P541	4271	T451
4085	P671	4183	M431	4274	P951

CONVERSION TABLE
 FROM GSGS NUMBERING TO DMA/AMS SERIES DESIGNATION

<u>GSGS # - DMA/AMS #</u>	<u>GSGS # - DMA/AMS #</u>	<u>GSGS # - DMA/AMS #</u>
4275 P941	4336 M603S	4410 M506
4281 1205	4340 5208	4412 M506
4283 9201	4341 T590	4413 M506
4283 T281	4343 P721	4415 M901
4287 T723	4344 X511	4416 M641
4292 K211	4346 M508	4416 M651
4298 X321	4346 M541	4416 M651S
4299 X660	4352 M380	4416 M671
4300 X660	4353 G901	4416 M671S
4304 5100	4363 N610	4418 M614
4304 5103	4369 M422	4420 M932
4306 P610	4373 M682	4434 G541
4307 P610	4374 P961	4450 M902
4308 P610	4375 M506	4464 6203
4309 P610	4376 M682	4478 M440
4310 P610	4378 M992	4479 M514
4312 N412	4379 M993	4550 T511
4313 P721	4380 M994	4597 L901
4316 M683	4381 M963	4625 5104
4321 M683	4396 M601	4646 1301
4327 5210	4398 M763	4729 M592
4331 M381	4406 M894	4802 K461
4333 P911	4408 P451	4830 1404
4336 M603	4409 M981	4903 G451

PUBLICATIONS OF RELEVANCE

Contributions by

BC = Barbara Cox, University of Utah, Salt Lake City
EP = The Editor, from publishers' blurbs & items in hand
JP = J. B. Post, Free Library of Philadelphia
JMP = Joanne M. Perry, Oregon State University, Corvallis

+ **The Footloose Librarian (TFL)** is the newsletter for a world-wide network of librarians who have found a way to reduce travel expenses by sharing services. Your annual subscription brings you 6 issues of TFL, plus the Travel Exchange directories--updated twice a year--containing the name, addresses, and services of members. Included is the free option of your own listing in the directories. Arrange travel plans from your home by mail or telephone with your Travel Exchange contact in the destination city. Save up to \$50 a day or more by avoiding expensive public accommodations. Your contact offers you, as a librarian, information on his/her city that travel agents and guide books often don't have. Your participation in TFL's network of shared services makes low-cost travel a reality for others as well as for yourself. Travel Exchange members invite you to meet themselves, their friends.
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+ **Understanding Maps and Scale.** U.S. Geological Survey, National Mapping Program. Reston, Virginia, 1982. 1 wall poster, 137 x 84 cm, colored.

"An overview of the most common maps published by the USGS. The U.S. Geological Survey (USGS) publishes a wide variety of maps over a range of different scales. This poster can help you understand the kinds of maps produced and it shows which are available at the most common scales."

Illustrations of Map Types include planimetric maps, topographic maps, photoimage maps, thematic maps (one example used is a geologic map of a portion of Pennsylvania - but not a U.S.G.S. compilation, which caused a great deal of fuss among certain U.S.G.S. personnel), U.S. GeoData.

+ US GeoData. U.S. Geological Survey, National Mapping Program, National Cartographic Information Center. (Reston, EP Virginia, 1982). 1 book, 28 cm., iv, 23 p., 27 leaves.

Subtitle: Digital Line Graphs from 1:2,000,000-Scale Maps. User Guide/Interim Edition.

Comes with order forms and price lists inserted.

+ Price List for Open-File Reports. U.S. Geological Survey. EP

This is a microfiche copy of a computer printout listing all Open-File Reports by number with price information for both paper editions and microfiche copy. No title and author information, but it does have information concerning referrals and superceded reports. This is updated monthly. \$3.50 each. Available from NCIC.

+ Circular Listing for old Open-File Reports. U.S. Geological Survey. EP

This also is a microfiche copy of all those Circulars that list Open-File Reports, from 1938 through April 1974. \$7.00 each. Available from NCIC.

+ Cartographica Curiosa 2. Stephanie Hoppen, The Studio, EP 17 Walton Street, London SW3 2HX, England. Tel.010 589-3678

A map dealer's catalog (c1982) compiled by Stephanie Hoppen and Catherine Slowther. Commentary by Andrew Edmonds, Caroline Goodfellow, Gillian Hill, and Ronald V. Tooley. 90 illus. including 8 in color. Preface by Gillian Hill. It lists 164 items for sale, with an accompanying price list. There are six sections to the catalog:

- Maps in the Shape of Man, Beast & Symbol
- Maps in Caricature & Political Satire
- Geographical Games
- Maps of Fantasy & Fiction
- Geographical Myths & Misconceptions
- Weird & Wonderful

This is a catalog worth having just for its reference value; although the catalog is not meant to be exhaustive for all examples of the subjects treated, the comments introducing each section are excellent.

+ Early Maps 1983 Calendar Abbeville Press, Inc., EP 505 Park Avenue, New York, NY 10022. ISBN 0-89659-298-7. 36 x 31 cm, 16 leaves. \$7.95

- + **Maps ; A Visual Survey and Design Guide.**
by Michael and Susan Southworth. Boston, New York Graphic
JP Society Books, 1982. ISBN 0-8212-1503-5 Order No. 545708.
c/o Little Brown & Co., Dept. GF-81, 34 Beacon St., Boston,
MA 02106. \$39.95 cloth. 224 pp. 100 color plates, 125
b&w illus. 24 x 25 cm.

"Maps is written for designers, travelers, geographers, planners, architects, collectors, historians - for everyone who delights in creative as well as useful approaches to mapmaking.

The authors begin by discussing the relationships between maps their users, and the real world. They describe innovative techniques that make maps more useful, informative, and stimulating. Then, drawing on cartography, geography, graphic design, perceptual psychology, computer technology, cartooning, graphology, they analyze and illustrate over 200 creative approaches to many different mapping problems.

We learn how maps measure and define not only shape and distance but also such elements as quantity, density, time, change, movement, behavior, personal imagery, and various interactions. We learn about maps that talk, maps to touch or smell, maps that change to suit the user's needs, maps that simulate "being there", and maps for weathermen and the blind, the soldier and the child."

- + **Checklist of Australian Map Catalogues and Indexes.**
Australian Map Curators Circle, 1982. Dorothy F. Prescott,
Margaret Routley, and Judith Wells, editors. Aust\$4.00
Business Manager, Australian Map Curators Circle, P.O. Box
EP E 133, Canberra A.C.T., 2600 AUSTRALIA. ISBN 0-9593900-1-4
iv, 24 p., 30 cm.

Introduction: "The idea for the production of this publication was put forward at the Annual Conference of the Australian Map Curators' Circle held in Sydney, February 1981, at an AMCC Issues Session.

The contents cover only publishers' and retailers' catalogues and indexes. It includes some antiquarian items and catalogues listing foreign maps for sale in Australia.

Excluded are any catalogues that are "restricted", for "official use only", or are generally unavailable to the public. Entries are arranged firstly by state, and within state by publisher. Where the same catalogue is available in more than one state it will be shown under each state in which it is available, with the exception of the National Mapping publications which are only fully listed in the Australian Capital Territory section.

Entries indicate: publisher, title and date, physical description, frequency, notes, and price. An alphabetical listing of publishers and their addresses and a subject index are also provided."

+ Bulletin Number 44/September 1982 Association of Canadian Map Libraries. ACML, c/o National Map Collection
EP Public Archives of Canada, Ottawa, Canada K1A 0N3. (Memberships at \$15.00 include the quarterly Bulletin.) ISSN 0318-2851

This is the first of two issues that will report the proceedings of the 16th Annual Conference of ACML that was held in Ottawa in August 1982.

Among the many excellent papers presented at this Conference was that of Karen Lochhead, President, Cartographic Research Services, Ottawa. She is a longtime member of ACML who has recently formed her own company to perform contract work for the National Map Collection. She is presently developing cataloging data for all map series produced in Canada, federal as well as provincial production. She pointed out that there has been no previous attempt to identify and catalog this material using current library science cataloging codes, practices, or the history of the various series. The cataloging is at the first-level, but will eventually include individual sheets of each series.

It is a tedious process, but just think of the tremendous advantage the Canadian map librarian will have when the project is completed!

This is another project that emanated from the NMC's leadership in the field of map cataloging, A Manual of Interpretation of AACR 2 for Cartographic Materials being another example.

She gave an example of the need for establishment of proper bibliographic description: "Can you really believe that the Canadian hydrographic charts have no 'title proper'? Such is actually the case; hydrographic charts have sheet titles but since 1903 when the first chart was produced in Canada by the Canadian Hydrographic Service itself, without the aid of the British Admiralty, there has never been a consistent overall title for this group of maps. I have searched high and low through the charts themselves and then through catalogues of nautical charts since the 1930s and have found no consistently used series title."

- + **Canada's Forest Inventory 1981.** by G.M. Bonnor. Chalk River, Ontario, Canadian Forestry Service, 1982. ISBN 0-662-12151 Cat. No. Fo 41-10/1981E. Copies available from:
EP Forestry Statistics and Systems Branch, Canadian Forestry Service, Department of the Environment, Chalk River, Ont.
K0J 1J0.
viii, 79 p.+ 10 col. maps 28 x 39 cm folded to 28 x 21 cm.

A beautiful full-color lithographic publication with photographs, statistical tables (some colored), and figures. The maps are as follows:

Age of inventory; area of forest land; ownership and status of forest land; area of stocked, productive forest land; age class distribution; forest types; average wood volume; average volume of spruce; average volume of aspen/poplar; area of non-stocked, productive forest land.

- + **The National gazetteer of the United States -**
EP **New Jersey, 1982.** (Geological Survey professional paper ; 1200-NJ) Prepared by the U.S. Geological Survey. LC # 82-600282 For sale by the Distribution Branch, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304. 28 cm. xvi, 220 p.

This is the first of the gazetteers for States of the U.S., all of which are scheduled in book form as parts of Professional Paper 1200. For those who need this information before the printed book format is released, the monthly List (New Publications of the Geological Survey) describes the Geographic Names Information System (GNIS) and the products that are currently available (31 states as of September 1982). Since this data is compiled with the aid of a computer, and stored on the computer, computer tapes are available at \$100 each, whereas printouts in paper form run from \$5 to \$29, and microfiche at \$2 ea. (cost for the book format is not available at this point). A great deal of the data was obtained by optical scanning of the USGS topographical quads.

Each gazetteer lists Feature Name, Feature Class, Status (BGN or variant, administrative, unofficial, etc.), County, geographic Coordinate(s), Source Coordinate, Elevation (in feet), and the Map Name on which the feature may be found.

- + **Cram, George F. Atlas of the World 1901.** Microfilm
EP edition. (Provo, Utah, Brigham Young University, 1982).

This is another Riley Moffat production, about which he writes:
"...this past year we have been experimenting with microfilming atlases when they become too worn to be rebound. We filmed Geo. F. Cram's 1901 Atlas of the World (Phillips Atlases #1074 is the 1902 ed.) and I was surprised and pleased that our dog-eared plates now look like a mint copy, even sharper. If other libraries would like a copy of this detailed atlas with the results of the 1900 census on 35 mm silver halide roll film, we would be happy to make a duplicate of our archival copy for \$39. ship and bill." (see address below)

- + **Brigham Young University Map Collection. Selected**
EP **Acquisitions.** Compiled by Riley Moffat, Map Librarian.

I hasten to bring your attention to this Acquisitions List, in the slim chance it is not already known to you, because you will be able to use the address provided below to order your copy. The latest edition is the September-December 1982 list. The footnote indicates the status of the map collection at the end of 1982: "During Fall Semester the Map Collection processed 2,364 new maps and 132 new atlases into the collection, cataloged 229 new titles, circulated 782 maps, recataloged 54 maps and withdrew 4,046 maps. This brings the Map Collection holdings to 163,137 maps and 4,699 atlases and gazetteers." Riley Moffat, Map Collection, Brigham Young University, Provo, UT 84602.

- + **Utah, a guide to the state / revised and enlarged by**
BC **Ward J. Roylance.** -- Salt Lake City : Utah: A guide to the state Foundation, sponsored by Utah Arts Council, 1982.

This is a substantial revision of the WPA Guide. Its price is about \$18., contains about 800 pages, is illustrated (part col.)

- + **Churchill, R. C. A Short History of the Future.**
JP Based on the most reliable authorities with maps, etc.
London, Werner Laurie, 1955.

Although this book is not new, it certainly is current. Its map on the page facing the title-page is "The World in 1984: on Orwell's Projection; (a) World-view of orthodox citizen of Oceania on 21st June 1984", and on the same map a second title: "The World in 1984: on Orwell's Projection (b) World-view of orthodox citizen of Oceania on 22nd June 1984".

The legend indicates "Oceania" in black: the Western Hemisphere, except for the "Polar Front" in the north; "Experimental-stations of the Ministry of Peace", which are located in northern South America, and in western Australia; "Our glorious ally Eastasia" is depicted on the legend for map "a", but in map "b" has traded places with "Our age-old enemy Eurasia".

- + **An Index to Soil Surveys in California. California,**
EP **Department of Conservation, Division of Land Resources**
Protection. Sacramento, 1982. \$5.50.

The Index represents the only up-to-date, comprehensive index to soil and land classification surveys in California. It may be purchased at a cost, including postage, of \$5.50 by placing an order with the Department of Conservation, Division of Land Resources Protection, 1416 Ninth Street, Sacramento, CA 95814, or by calling (916) 324-0865.

- + **GEO-DATA: The World Almanac Gazetteer.** First Edition.
Edited by George Thomas Kurian. 624 pp. Detroit, Gale
Research Co., 1982. CIP. LC #82-20944. ISBN 0-8103-1605-6.
EP \$48.00.

Geo-Data is arranged in four major parts: United States...World Countries, Cities, and Administrative Divisions...Geographical Gazetteer of the World...Rankings. Part 1, "United States", provides concise and detailed information on all 50 states, all 3,142 counties, and 2,492 cities and towns with populations in excess of 10,000. Among the many types of information given in city and county entries are: Date of founding...Population, population rank (all U.S. and for state), population density, population growth rate, and migration...Females as % of population...Population under 18 and over 65...Marriage and divorce rates...Doctors and hospital beds per 100,000...Financial data, including property tax rate per capita and per capita income and rank. Other types of information given include rail and air service, total housing units, total labor force, newspapers, crime rate, number of police, and weather data.

Similar demographic and geographical information is given in Part 2 for the countries, cities, and administrative divisions of the world. Part 3 provides a wide range of data on the Earth and its continents, oceans, seas, gulfs, lakes, rivers, islands, and mountains. Part 4, "Rankings", compares bodies of land and water by such criteria as area, depth, height, etc. Also ranked are cities and countries by area and population.

- + **Introduction to Indexing and Abstracting.** by Donald B. Cleveland and Ana D. Cleveland. Littleton, Colorado,
EP Libraries Unlimited, 1983. 209 p. ISBN 0-87287-346-3. \$19.50

Step-by-step instructions for indexing books and documents and suggested readings which follow most chapters contribute to the value and usefulness of this text for students as well as for others interested in learning the art of indexing and abstracting. This text differs from other works on this topic by focusing on what indexers and abstractors do and how they go about doing it, and by presenting the practices and principles in an illustrative manner.

- + **Library Science Dissertations, 1973-1981: an annotated Bibliography.** by Gail Schlachter and Dennis Thomison.
EP Littleton, CO, Libraries Unlimited, 1983. 414 p. ISBN 0-87287-299-8. (Research Studies in Library Science, No. 18)
\$45.00.

More than 1,000 doctoral dissertations in library science and related fields accepted by academic institutions in the United States and Canada are annotated in this supplement to Library Science Dissertations, 1925-1972 (Libraries Unlimited, 1974). Dissertations that the authors judged to be relevant to the library profession were selected from a wide variety of

sources, including Canadian Theses, Dissertation Abstracts International, Library Literature, Library Quarterly, Doctoral Students Memo, and library schools with doctoral programs.

+ **Cataloging Nonbook Materials: Problems in Theory and Practice.** by Carolyn O. Frost. Littleton, CO., Libraries Unlimited, 1983. 390 p. ISBN 0-87287-329-3.
EP \$28.50.

Those interested in the organization of nonbook materials will find both theoretical and practical issues discussed in this new work. The author presents questions which have been addressed by various cataloging codes, and provides detailed examples using AACR 2 and Weihs' Nonbook Materials: The Organization of Integrated Collections. Through these issues and questions, the basic theoretical principles of the codes are compared and examined, and the current codes for cataloging nonbook materials are placed into historical perspective.

Following a survey of the development of the codes, the author discusses problems in applying bibliographic concepts, such as "author" and "edition", to nonbook items. Separate chapters on categories of media offer complete bibliographic records, citation of rules (including those for main entry), and commentary to highlight theoretical and practical problems. The types of media discussed include cartographic materials, sound recordings, motion pictures, videorecordings, graphic materials, three-dimensional artefacts and realia, microforms, and kits. Serials, manuscripts, and musical scores reproduced in audiovisual formats are also covered.

+ **Los Californianos Historical Society. California Land Grant Records.** Sacramento,

This organization will produce on demand individual land grant documents for California's land grants. Documents are prepared by photocopy and placed in 8 1/2 x 11 in. soft polyester film folders. The documents include (1) a title page, (2) source and credit page, (3) copy of original English translation of Expediente and other documents such as titulos and tomos (4) Diseno maps, (5) U.S. plat maps.

The cost of each Land Grant Record varies with the number of pages, but the average cost is \$7.00 to \$10.00. For an example: 13 pages at 8 1/2 x 11 in. plus two maps 8 1/2 x 22 in. folded to 8 1/2 x 11, would cost \$7.10 plus postage and handling. The Society is able to reproduce all known land grant records, either petitioned for and or granted.


Orders and inquires may be made to the Land Grant Chairperson:
Mrs. Antoinette S. Egan, 75 Aiken Way, Sacramento, CA 95819.

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Population Trends in California



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1980 CENSUS SUMMARY REPORT FOR CALIFORNIA



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↑ THESE 2 REPORTS COVER ALL OF CALIFORNIA ↓

CENSUS TRACT OUTLINE MAP COVERAGE

In California: (6 Maps)	AREA COVERED
Northern California	11 Co's 62 Cities
San Francisco Bay Area	13 Co's 111 Cities
Central California	8 Co's 60 Cities
Los Angeles 5-Co. Area	5 Co's 150 Cities
San Diego-Imperial	2 Co's 21 Cities
Rest of Southern California	3 Co's 23 Cities

For additional information contact:



WESTERN ECONOMIC RESEARCH CO.
13437 VENTURA BLVD.
SHERMAN OAKS, CALIFORNIA 91423
(213) 981-9762

+ Historic Indian Publishers. **The Conquest of Indian America.** A multiple use 43 map/chart series. Bill Rieske, EP dba Historic Indian Publishers, P.O. Box 16074, Salt Lake City, UT 84116. (801) 328-0458.

The 30 map/chart poster set is \$225.00, the 43 map set is \$310.00. Foamcore mounting available. Some of the maps: Language families of North America; Exploration routes and trails - Spanish; Exploration routes and trails - 1800-1820 & 1820-1835; (same) 1607-1675 & 1675-1800; Missions and presidios of the Old Southwest; North and South America- a comparison; Native American tribes; Prehistoric Indian cultures; territorial growth on Indian lands to 1800; territorial growth on Indian lands 1800 to 1860. etc., etc.

Selective ordering is possible, black-white maps at \$6.50, color maps at \$10.50. NOTE: All public schools, in Utah, receive all of these maps/charts through the cooperation of the Utah State Division of Indian Affairs; Office of Indian Education, Utah State Office of Education. Illustrated brochure/price list available at above address.

* Dallas is a favorite TV show for some American viewers. We have a TV trivia question for those of you that include yourselves in that group: Is the name Ewing, the family name of the principal characters in Dallas, a fictitious name?
JP

We have the answer ready and waiting! Please refer to the Woodward, Texas, 15-minute topographic quad (U.S. Army Corps of Engineers, 1942) drawn in 1934 with partial revision in April 1942: there it is!, in the lower right corner, a mile-and-a-half from the Woodward junction: "Ewing Ranch". Now you can dazzle your friends, and look good on the Reference Desk when you don't have to look this up.

* **Reviews of Microcartography: applications for archives and libraries**, edited by Larry Cruse with the assistance of Sylvia B. Warren. WAML Occasional Paper No. 6. 1981, EP have appeared in the following publications:

base line: a newsletter of the Map and Geography Round Table, Volume 3, Number 3, June, 1982, p. 73. Reviewed by Mary Larsgaard, Editor of **base line**, (former President of WAML), and many other talents - author of Map Librarianship -: she is very complimentary to Larry Cruse and this Occasional Paper. What is hard to understand, she apparently found "some typos" - which I can't believe, because I never make typos. But thanks for keeping us honest, draagsraL yraM, we'll be more careful! (P.S., I have one of those typewriter covers with a slogan printed on it: "Nobody's Perfect ...but I'm working on ti!")

Bulletin des Bibliothèques de France, Tome 27, no. 11, Novembre 1982, entry no. 1934, reviewed by Monique Pelletier, Bibliothèque Nationale.

Newsletter, New Zealand Map Keepers Circle, Number Thirteen, November 1982, pp. 12-14, reviewed by Philip L. Barton, Map Room, Alexander Turnbull Library, National Library of New Zealand, Wellington, (he is also the Secretary of NZMKC).

* John D. Lines, writing in **The Globe**, Journal of the Australian Map Curators Circle, Number 17, 1982, pp. 11-19, EP "Maps on Microform", discusses the general problems of the durability of paper maps, storage, and retrieval, among others, in his general survey of the literature regarding the subject. He quotes Larry Cruse liberally and adds this note in reference to Larry's contributions in the WAML Information Bulletin: "These are excellent technical notes leavened with astute comments, and are recommended reading for those seeking an up-date on micrographics." He also uses J.B. Post's analysis of Markham's microcartographic products (Post's review of "U.S. topographical maps. Microchart Systems Inc." in Microform Review 9, 1980 pp. 116-117.)

In a subsequent issue of **The Globe**, John Lines reviews OP #6.

* **Map Online Users Group. Newsletter.**

EP MOUG membership is open to all interested persons, and subscriptions to its Newsletter are available.
Individual Memberships: \$5.00. Institutional Memberships: \$10.00, and Subscriptions to the Newsletter Only are \$10.00.
Make checks payable to: Map Online Users Group, and send check with name and mailing address to: David C. McQuillan, Treasurer, Map Library, University of South Carolina, Columbia, SC 29208.
You may phone inquiries to: (803) 777-2802.

* **Oregon Landsat Mosaics; A composite of Landsat-3 RBV images of Oregon.**

JMP ERSAL (Environmental Remote Sensing Applications Laboratory) Oregon State University, Corvallis, OR 97331.

ERSAL Publication 82-1: This mosaic at 1:500,000 has cultural and hydrographic information overlain. Includes marginal map of counties and mosaic index, text. Photos taken in 1978, 1979 and 1980; published in 1982.

ERSAL Publication 82-2: This mosaic has only latitude and longitude printed on the face of the mosaic. Includes marginal map of counties and mosaic index, text. Photos taken in 1978, 1979 and 1980; published in 1982.

The cost of each of these is \$8.00 plus postage and tube; in state postage is \$3.00, out of state postage is \$4.00 for up to 2 maps.

PUBLISHERS' & DEALERS' CATALOGS

- * Daphne Frost, Rare Maps and Illustrated Books, P.O. Box 671, Redondo Beach, CA 90277 (213) 316-6990
Twenty items ranging in price from \$150 to \$3500. Coronelli, Hondius, Chatelaine, Nolin, Aleph, Speed, Adrichomus, Montanus/Ogilby, De Jode, Leo Belgicus, Bunting, Seutter, Lyon, et al.

- * Neil McKinnon Limited, New Zealand Distributor of The Map Collector, antique maps, books and old sea charts. P.O. Box 847, Timaru, New Zealand.

- * Gaston Renard, Fine and Rare Books, 51 Sackville Street, Collingwood, Victoria, 3066, Australia. Postal address: G.P.O. Box 5235BB, Melbourne, Victoria, 3001, Australia.
Catalogue Number 160: Geographical Discovery and Exploration and exploration and its cartographic representation with an emphasis on the Australian Region. 1982.

- * Charles Sessler, Rare maps, books and prints, 1308 Walnut St., Philadelphia, PA 19107 (215) 735-1086. Catalogue #11: A selection of Philadelphia Maps and Prints, Botanicals, Maps from Mathew Carey's General Atlas, American views.

- * Collectors' Circle Ltd., P.O. Box 225, Lemont, Illinois 60439, telephone (312) 257-7376. List 12-82: World maps, Western Hemisphere, North America in general, Alaska and the Arctic, Mexico, Caribbean, West Indies, Pacific and other miscellaneous maps. Prices range from \$25. to \$5,950. There are 34 items (of 107) under \$100.

- * Robert Douwma, Prints & Maps, 4 Henrietta Street, The Piazza, Covent Garden, London WC2 E8QU: New in stock list #8, January 1983. Includes French sea charts, miniature John Speed maps of the British Isles. (Please note that this is a new address - from mid-February 1983.)

- * Elizabeth F. Dunlap, Books and Maps, 6063 Westminster Place, St. Louis, Missouri 63112 (phone 314/863-5068). List No. 35-M. Americana in Maps, with an addenda of atlases and books. 1983.

Duplicate Maps and Publications Available

The following is a list of duplicate maps available from the University of California, Davis. Address your requests along with mailing labels to: Map Collection
Shields Library
University of California
Davis, CA 95616

MAP	SCALE 1:	DATE	MAP	SCALE 1:	DATE
Argentina (4 sh.)	200,000	196-	Asia	13,812,480	1971
Soils of Kent	250,000	1980	Grand Canyon	48,000	1927
Canada	4,055,040	1966	India railways	3,500,000	1966
Trengganu, soils	500,000	1958	Mendota, Calif land use, land cover		
Kelantan, soils	500,000	1960		100,000	1974-76
Idaho, geothermal	1,000,000	1979	Historic Mediterranean	4,730,000	1982
Chico, Calif./Nevada	100,000:		Washington forests	253,440	1936
" census county subdiv.		1970	Canada	8,870,400	1970
" hydrologic units		1978	Kauai federal land	100,000	1979
" political units		1970	Netherlands	325,000	1978?
" land use, land cover		1975-77	Ecuador	1,000,000	1981
Emigrant Road	31,680	18--	Pacific Coast states	1,100,000	1910
Dominican Republic	250,000	1970	<u>Milti-sheet sets:</u>		
Nicaragua	1,500,000	1979	Indochina & Thailand	250,000	196-?
U.S. wild & scenic rivers		1981	Carta militar de Portugal	25,000	
U.S. Nt'l. water network	750,000	1979	Carta agricola e florestal de Portugal		
Costa Rica	1,000,000	198-?		25,000	
Uruguay	500,000	1981?	USGS Hydrologic investigations Atlas		
U.N. Day		1981	HA-606		
New France (facsimile)		1673-4	Brazil geology	1,000,000	1976
Madagascar	3,465,000	1973	(sheets SD-24 & SC-24 & texts)		
Soviet Union	10,140,000	1976	Bolivia geology (text only)		
Maine	1,050,000	1975		1,000,000	1978
India	4,435,200	1950	Nepal ecology	25,000	
South America vegetation (south sheet)			(sheets 1,2, & 4 & texts)		
	5,000,000	1980	U.S. National waterways study		
Greenland, geology (sheets 71Ø.2 nord & 71Ø.3 syd)	100,000			7,500,000	1981
India, 4th ed. (NE sheet)			Minnesota public lands	500,000	1978
	2,534,400	1960	New Zealand	4,000,000	1981
China	10,000,000	1979	Iowa (4 facsimilies)		1900?
Far East	7,500,000	1952	Mississippi River (facsimile)		1811
S.E. Asia	6,000,000	1955	San Francisco port		1973
Region 2 (Calif. & Nevada) transmission system		197-	Arkansas energy resources		198-
Japan	4,000,000	1982	Jordan, Syria, Lebanon & Iraq	750,000	1977
European Community	3,000,000	1980	Calif. natural vegetation (text only)		
Glacial North America	4,555,000	1945	Naturräumliche Gliederung Deutschlands		
			(sheet 37/38 & text)	200,000	

Miscellaneous Old Maps

- Geological Survey of Michigan. Atlas accompanying report on Upper Peninsula, 1869-1873.
- Geological Survey of Michigan. Atlas accompanying report on iron bearing rocks [economic]. 1873.
- Atlas of the battlefields of Chickamauga, Chattanooga & vicinity. 1901.
- Atlas to accompany the report on the geology of New Hampshire. 1878.
- Oil and gas fields of the State of Texas. 1931. 1:750,000.
- Oil and gas fields of the State of Texas. 1938. 1:750,000.
- Battles of Mexico, survey of the lines of operations of the U.S. Army, under the command of Major General Winfield Scott,... 1847.
- Geological Survey of New Jersey, 1887-8. (4 maps).
- Atlas accompanying vols. I & IV, Geological Survey of Wisconsin. 1882.

DUPLICATE MAPS from University of California, Davis, con't.

Military maps illustrating the operations of the Armies of the Patōmac & James,
May 4, 1864 to April 9, 1865...

Atlas containing maps of Chicago River, Illinois and its branches... 1896 to 1899.

Geological Survey of Missouri. Atlas accompanying report on iron ores and coal fields
1873.

Southern Georgia and part of South Carolina. 1865.

Military maps showing marches of the United States forces under command of Maj. Genl.
W. T. Sherman, U.S.A. during the years 1863, 1864, 1865.

Atlanta campaign. 1864.

Miscellaneous Civil War maps. 1860's.

From R.B. Parry, Map Curator, Department of Geography, University
of Reading, Whiteknights, Reading RG6 2AB, England:

"I wish to dispose of duplicate Seventh Series 1:63,360 Ordnance
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82	116	154	190

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Glossary of French Terms commonly appearing on maps and charts.
Provisional Edition. Prepared under the direction of The Chief of
Engineers (by) Army Map Service, Washington, D.C., September 1942.

ii, 91 p., 20 cm.

Glossary of Spanish Terms commonly appearing on maps and charts. Provisional Edition. Prepared under the direction of The Chief of Engineers (by) Army Map Service...January 1943. 200412. iv, 24 p., 21 cm.

Glossary of terms used on maps of Japan. August 1945. Army Map Service. 201106 viii, 96 p. 23 cm.

Glossary of terms appearing on maps of the Netherlands East Indies. Provisional Edition, August 1944. War Department, Army Map Service, Corps of Engineers, U.S. Army, Washington, D.C. 201237. viii, 304 p., 23 cm.

Greek Map Symbols. First edition, January 1948. AMS Technical Manual No. 25. Army Map Service, 204712. viii, 88 p., 21 cm.

Japanese Intelligence Symbols. First Edition. April 1948. Army Map Service. AMS Technical Manual No. 30. 202336. vi, 64 p. 21 cm.

Polish Map Symbols. First Edition. November 1946. AMS Technical Manual No. 18. AMS 204389. iv, 59 p., 21 cm.

Portuguese Map Symbols. First Edition, June 1948. AMS Technical Manual No. 29. AMS 204739. vi, 71 p., 21 cm.

Please inquire, with offer, to: Stan Stevens, Map Collection, University Library, University of California, Santa Cruz, CA 95064.

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*Urgently needed are the following U.S.G.S. Maps, from the MF & I series:

I-345	Shiprock	I-360	Moab	I-560	La Junta
I-591	Salina	I-629	Cortez	MF-761	Montrose

If you are in possession of duplicates of any one or all of the above sheets, please contact the University Map Collection, University of Alberta, Edmonton, Alberta, Canada T6G 2H4."

DUPLICATE MAPS FOR THE POSTAGE

Claren M. Kidd, Geology Librarian, University of Oklahoma, is willing to give the following to any library willing to pay the cost of postage:

These are 1:250,000 map sheets of transportation routes of the States, produced for the U. S. Department of Agriculture, Bureau of Public Roads, or the Federal Works Agency, Public Roads Administration.

(The number of sheets available is indicated, all sets are complete.)

Alabama - 1948 - 8 ; Arizona - 1944 rev ed - 14 ; California - 1947 rev ed - 21 ; Connecticut - 1945 - 1 ; Delaware - 1947 - 2 ; Florida - 1948 - 12 ; Georgia - 1943 - 8 ; Illinois - 1942 - 9 ; Iowa - 1938 - 8 ; Iowa - 1941 - 8 ; Maine - 1940 - 6 ; Maine - 1943 - 6 ; Maryland - 1937 - 3 ; Maryland - 1941 - 3 ; Massachusetts - 1937 - 3 ; Massachusetts - 1941 rev ed - 3 ; Michigan - 1937 - 10 ; Minnesota - 1940 - 12 ; Mississippi - 1949 - 8 ; New Hampshire - 1938 1st ed - 2 ; New Hampshire - 1942 rev ed - 2 ; New Jersey - 1940 rev ed - 2 ; New Jersey - 1943 rev ed - 2 ; New York - 1937 - 7 ; New York - 1943 rev ed - 7 (New York City - same dates - 1) ; Oregon - 1940 rev ed - 12 ; Pennsylvania - 1939 - 6 (Philadelphia - 1939 - 1) ; Rhode Island - 1939 rev ed - 1 ; Rhode Island - 1941 rev ed - 1 ; Rhode Island - 1944 rev ed - 1 ; Tennessee - 1950 - 1 ; Utah - 1941 - 12 ; Vermont - 1939 rev ed - 2 ; Vermont - 1941 rev ed - 2 ; Washington - 1936 - 9 ; Wisconsin - 1939 - 9.

Map Collection, Geology Library, University of Oklahoma, 830 Van Vleet Oval, Rm. 103, Norman, Oklahoma 73019.

DUPLICATE MAPS FOR THE POSTAGE

The State Historical Society of Iowa has the following road maps available, for the cost of postage. Please include a self addressed mailing label. Requests to: Nancy Kraft, Iowa State Historical Society, 402 Iowa Avenue, Iowa City, Iowa 52240.

<u>DATE</u>	<u>AREA</u>	<u>PUBLISHER</u>
---	Long Beach, CA	Western Savings Bank
1950	Los Angeles, CA	Bekins Van & Storage Co.
1955	Los Angeles, CA	Standard Oil of California
1953	San Francisco, CA	Bekins Van & Storage Co.
194-	Colorado	Bay Petroleum Corp.
1946	Colorado-Utah-Wyoming with Idaho-Montana	Texaco Petroleum Co.
1947	Colorado-Utah-Wyoming with Idaho-Montana	Texaco Petroleum Co.
1947	Colorado	Colorado State Highway Dept.
1953	Colorado	Colorado Dept. Highways
1953	Colorado-Utah-Wyoming	AAA
1960	Colorado	Conoco Oil Co.
1965	Delaware, Maryland, Virginia, West Virginia	Humble Oil & Refining Co.
1941	Florida	Baltimore Steam Packet Co.
195-	Florida	Phillips Petroleum Co.
195-	Florida	Pure Oil Co.
1954	Florida	State Road Dept. of Florida

1955	Florida-Coastal Hiways	Ocean Hiway Assoc.
1952	Idaho	Idaho Dept. of Highways
195-	Idaho	Utah Oil Refining Co.
1937	Illinois	Mid-Continent Petroleum Corp.
1947	Illinois	Texaco Petroleum Co.
	with Iowa & Missouri	
1948	Illinois	AAA
195-	Illinois	Cities Service Co.
195-	Illinois	Conoco Oil Co.
1950	Illinois-Iowa-Missouri	Texaco Petroleum Co.
1953	Illinois	Shell Oil Co.
1953	Illinois-Iowa-Missouri	Texaco Petroleum Co.
1954	Illinois	AAA
1955	Illinois-Iowa-Missouri	Texaco Petroleum Co.
1956	Illinois	State of Illinois
1958	Illinois	Shell Oil Co.
196-	Illinois	Skelly Oil Co.
1962	Illinois	Shell Oil Co.
1962	Illinois	State of Illinois
1963	Illinois	Shell Oil Co.
1965	Illinois	Shell Oil Co.
1965 ca.	Illinois	Sinclair Co.
1967	Illinois	Conoco Oil Co.
1968	Illinois	Standard Oil Co.
1951	Kansas	AAA
1958	Kansas	Standard Oil Co.
?	Kentucky & Tennessee	Mid-West Map Co.
1957	Kentucky	Dept. of Public Relations
1962	Kentucky	Ken. Tourist & Travel Div.
195-	Louisiana	Cities Service Oil Co.
1953	Louisiana	Dept. of Highways
1953	New Orleans, La.	Shell Oil Co.
1958	Maine	State Highway Commission
1963	Maine	State Highway Commission
1956	Michigan	Pure Oil Co.
1957	Michigan	Shell Oil Co.
1957 ca.	Michigan, Minn., Wisc., Ontario	No. Great Lakes Area Council
196-	Michigan	Standard Oil Co.
1936	Detroit	Shell Oil Co.
195-	Detroit	Cities Service Oil Co.
1936	Minnesota	Standard Oil Co.
194-	Minnesota	Cities Service Oil Co.
194-	Minnesota	Mid-Continent Oil Co.
1948	Minnesota	Standard Oil Co.
195-	Minnesota	Standard Oil Co.
195-	Minnesota	Conoco Oil Co.
1950	Minnesota w/Dakotas	Texaco Oil Co.
1955	Minnesota	Sinclair Oil Co.
1956	Minnesota	State Dept. of Highways
1958	Minnesota	State Dept. of Highways
1959	Minnesota	State Dept. of Highways
196-	Minnesota	Skelly Oil Co.
196-	Minnesota	Standard Oil Co.
1960	Minnesota	State Dept. of Highways
1962	Minnesota	DX Sunray Oil Co.
1962	Minnesota	Shell Oil Co.

1962	Minnesota	State Dept. of Highways
1963	Minnesota	State Dept. of Highways
1964	Minnesota	Conoco Oil Co.
1967	Minnesota	Shell Oil Co.
1967	Minnesota	Standard Oil Co.
1955	Minneapolis-St. Paul	Mid-Continent Oil Co.
1957	Minneapolis-St. Paul	Shell Oil Co.
1963	Minneapolis-St. Paul	Shell Oil Co.
1964	Minneapolis-St. Paul	Shell Oil Co.
1967	Minneapolis-St. Paul	Standard Oil Co.
195-	Mississippi	Pan-AM Southern Com.
1958	Mississippi	State Highway Com.
1960	Mississippi	State Highway Com.
1963	North Carolina	State Highway Com.
?	No. Car. & So. Car., Georgia, Florida	American Oil Co.
194-	No. Dakota, So. Dakota	Mid-Continent Petro. Corp.
195-	No. Dakota, So. Dakota	Conoco Oil Co.
1956	No. Dakota, So. Dakota	Mid-Continent Petro. Corp.
1957	No. Dakota, So. Dakota	Conoco Oil Co.
196-	No. Dakota, So. Dakota	Skelly Oil Co.
1961	No. Dakota, So. Dakota	Conoco Oil Co.
1962	No. Dakota, So. Dakota	Skelly Oil Co.
1964	No. Dakota, So. Dakota	Conoco Oil Co.
1967	No. Dakota, So. Dakota	Standard Oil Co.
1969	No. Dakota, So. Dakota	Standard Oil Co.
1970	No. Dakota, So. Dakota	Phillips Petro. Co.
194-	Ohio	Hi-Speed Gas Co.
1955	Ohio	Dept. of Highways
1962	Ohio	Dept. of Highways
1966	Ohio	Humble Oil & Refining Co.
195-	Oregon	Richfield Oil Co.
195-	Oregon	State Highways Commission
1960	Oregon	Texaco Petroleum Products
1965	Oregon	State Highway Dept.
1969	Oregon	State Highway Dept.
1956	Pennsylvania	Dept. of Highways
1965	Pennsylvania	Turnpike Commission
?	Pennsylvania (quite old)	First National Bank, Shippenville, Penn.
1954	Rhode Island	Dept. of Public Works
194-	South Dakota	Standard Oil Co.
194-	Black Hills, So. Dak.	Cave Cafe
1947	Black Hills, So. Dak.	Hot Springs Chamber of Com.
1947	Black Hills, So. Dak.	Independent Bindery Co.
1947	Black Hills, So. Dak.	Evans Hotel
1939	Tennessee	Standard Oil Co.
1948	Tennessee	Esso Touring Service
1960	Memphis, Tenn.	Memphis Chamber of Commerce
?	Memphis, Tenn.	Memphis Chamber of Commerce
195-	Texas, Arkansas, Louisiana, Mississippi	Gulf Tourgide (sic.) Bureau
1963	Texas	Rand McNally & Co.
1963	Texas, Arkansas, Louisiana, Mississippi	Gulf Tourgide Bureau
?	Austin, Texas	Austin Chamber of Commerce
1956	Utah	Utah Oil Refining Co.

1958	Utah	State Road Commission
?	Utah	Utah Tourist & Publicity Council
1957	Williamsburg, James-town, Yorktown	Esso/Standard Oil Co.
1936	Washington, D.C.	Cities Service Oil Co.
1956	Washington, D.C.	Esso/Standard Oil Co.
1965	Washington/Oregon	Mobil Oil Company
195-	Wisconsin	Standard Oil Co.
195-	Wisconsin	Conoco Oil Co.
1953	Wisconsin	AAA
1955	Wisconsin	Sinclair Oil Co.
1956	Wisconsin	Shell Oil Co.
1959	Wisconsin	State Highway Commission
196-	Wisconsin	Standard Oil Co.
1962	Wisconsin	Shell Oil Co.
1965	Wisconsin	Shell Oil Co.
1967	Wisconsin	Conoco Oil Co.
1967	Wisconsin	Standard Oil Co.
1970	Wisconsin	Standard Oil Co.
1955	Milwaukee, Wisc.	Shell Oil Co.
194-	Wyoming	Conoco Travel Bureau
194-	Wyoming	Standard Oil Co.

BOOK REVIEWS

Named Highways in California thru 1981, Prepared by Caltrans, Department of Construction, Office of Office Engineer. (Sacramento, 1982). 28 cm. 3 p. text, 61 pp. tables, 16 maps on 5 sheets 28 x 58 cm. (scale not given)

Contents: twenty-seven pages of Subject entries, in alpha order; e.g.: "Border Friendship Route", Route 8, District 11, from San Diego to Arizona St. Line. ; e.g.: "Mark Twain-Bret Harte Trail", Route 108 & 120, District 10, from Modesto to Yosemite. Also included are Named Freeways; Named State Highways and Roads; Blue Star Memorial Highways; Historical Usage Names; and Bridges, Tunnels and Structures Named by Legislature and Other Prominent Structures Not Officially Named.

C. R. "Bob" Krieger (longtime member of WAML) was responsible in large measure for the compilation of this tabulation, its first printing. At the end of October 1982, Bob retired from CALTRANS, and this was his swan song. He was Supervisor of Plans, Maps & Document Research Coordination Unit, Office of Office Engineer, California Department of Transportation, Division of Mass Transportation.

The prefatory information provided in this publication is fascinating and excellent background for the urban historian and others; e.g., "In the Los Angeles area, the freeway system started as spokes radiating outward from the Civic Center, and place names denoting the outer termini became the freeway name. Examples are the Harbor, Santa Ana, and San Bernardino freeways." The Preface also states that "Freeway names have originated from four different sources: the Legislature, Highway Commission, local

jurisdictions and through common usage." In 1962 the Legislature requested a study be made of the criteria for naming freeways, highways, and expressways. Although a report was submitted in November of that year, twenty years later the Legislature has done nothing about adopting the criteria recommended in that report. It has, nevertheless, designated 28 additional names to freeways since that time.

The data available in the tables is very useful. The section "Bridges, Tunnels and Structures Named by Legislature and Other Prominent Structures Not Officially Named" includes the "Year Built". If one needs to know, for example, the year the Golden Gate Bridge was built (1937), that data is available here. All citations are referenced to a map by number, its location by County and Route Number, and the Official Act that created/named it are provided.

The maps are outline maps of the State, with enlargements for Los Angeles and Vicinity, and San Francisco and Vicinity. Each map is clear and easy to relate the map number back to the table. Arrows indicate the beginning and ending points of a highway, and this is especially important on the congested Los Angeles metropolitan area map.

The only information I was not able to determine from this guide is the origin and meaning of "Blue Star Memorial". Some other source of information will reveal this, but it would have been useful to have had a note in the "Some Pertinent Remarks" section, the section on Blue Star Memorial Highways itself, or the Historical Usage Names section.

This publication has served its purpose quite well already in my personal experience. During the Christmas holidays while out shopping I picked up a commercial publication, a real estate promotional piece designed for the potential house buyer; I knew from having looked at it on a previous occasion, that it contained sketch maps to give the reader some idea of the geographic system used by the publication to classify its house listings. As map librarians are known to do, I looked at the map for the Santa Cruz metropolitan area. I spotted a place name which seemed out of place: "Nimitz Freeway". This was used to identify that portion of State Highway #17 that traverses the Scotts Valley area in Santa Cruz County. I knew this designation to be wrong, but I didn't know a source for proving my theory. As I was about to turn the matter over to my resident place name expert, Donald T. Clark (former University Librarian, and now a volunteer in the UCSC Map Collection), **Named Highways in California** came in the mail from Bob Krieger. Well! The answer is right there in the (Subject - Alphabetical section): "Nimitz Frwy / Ala, SC1 / 17 - From Route 101 (San Jose) to Route 80 (SFOBB)". It is also listed in the "Named Freeways" section, where I learned that it was named by the Legislature in Senate Concurrent Resolution 23 (Resolutions Chapter 84, 1958). The interpretation is that the Nimitz Freeway is between Route 101 in San Jose to where Route 80 begins at the San Francisco-Oakland Bay Bridge - not, as the real estate map shows, in Santa Cruz County. (The highway was named for Admiral Chester Nimitz of World War II fame, although one must obtain this information from another source.)

While this publication will, no doubt, be revised as new names are added to the landscape, it will stand as a landmark publication and indispensable reference source for the map librarian in need of information on California highways. We thank Bob Krieger for his valuable contribution to the reference materials available to the map librarian, as well as his support of WAML, and we wish him well in retirement.

It is available from the agency, Office of Office Engineer, 1120 N Street, Sacramento, CA 95814 ATTN: Mr. Gaylord Wilson. Phone (916) 322-5141.

NEWS NOTES

(FOR CONTRIBUTORS, SEE PAGE 179)

Stanley D. Stevens
University of California
Santa Cruz, CA 95064

- * **Bird's Eye Views: Panoramic Maps of North American Cities.** An exhibit at the Library of Congress, Geography & Map Division, through May 1, 1983.
EP

In conjunction with the exhibit, the Library is selling copies of four bird's eye views: Alexandria, Va., Georgetown (Washington, D.C.), New York City, and Washington, D.C. The price is \$5 each for the 12 x 18 inch size; a larger size, approximately 19 x 27 inches sells for \$15. These may be purchased in person only at the Sales and Information Counter on the ground floor of the Thomas Jefferson Bldg.

The exhibit includes 48 cities in the U.S. and three in Canada: e.g., Ardmore, Okla.; Baltimore, Md.; Bar Harbor, Maine; Chester, Pa.; El Paso, Ill.; Guttenberg, Iowa; Helena, Montana; Jacksonville, Fla.; Jefferson, Ohio; Nebraska City, Nebr.; San Francisco, Ca.; and South Bend, Ind.

- * **National Union Catalog.** Library of Congress. Microfiche edition. Library of Congress, Cataloging Distribution Service, NUC Desk, Customer Services Section, Washington, D.C. 20541.
EP

The Library of Congress has announced (LC Information Bulletin 11/5/82, p. 364) that it will convert the publication of **National Union Catalogs (NUC)** to microfiche beginning in 1983.

The **National Union Catalog: Cartographic Materials** catalog will contain records of all single and multisheet thematic maps, map sets, atlases, and maps treated as serials cataloged by the Library of Congress. The first issue of this catalog will contain the entire Library of Congress maps data base.

The microfiche edition will be an index/register format with each register having separate indexes: name index, title index, and

series index. The **Cartographic Materials** catalog will also have a geographic classification code index. The name and title indexes will include the following elements: index heading, main entry, uniform title, title, place of publication, publisher, date of publication, LC-assigned call number, LC or NUC card number, and register number. While the indexes by themselves will have many uses without reference to the register, the register, which contains the full bibliographic record, is accessed only by the register number found in the indexes.

* **Optical Disk Pilot Project.** The Library of Congress has awarded two contracts for a pilot project to use laser optical disk technology for information preservation and management.

EP Teknekron Controls, Inc., of Berkeley, Calif., has been awarded a contract to provide a system which will use digital optical disks for computerized mass storage, preservation, and retrieval of printed materials, including text and halftone illustrations.

SONY Video Communications Products Co., of Lanham, Md., has been awarded a contract to deliver 50 copies of each of five analog optical disk productions of films, video tape, photographs, and graphics and 50 digital compact audio disks of two audio productions over the next 18 months.

The Teknekron pilot system will provide archival-quality document storage of 500,000 images of pages from frequently used periodicals, rapid access and display of the images, and reproduction of single or multiple copies of specified pages or entire documents. Display will be on special high-resolution terminals (2,200 lines per screen) and will take advantage of existing Library of Congress computer indexing and abstracting systems. Reproduction will take place on associated terminal printers or through off-line batch printing facilities.

Seven work stations for accessing the system will be installed at various locations throughout the Library's three-building complex. Each work station will consist of a display terminal and a medium resolution terminal printer for production of hard copy images.

Materials to be converted to analog disks by SONY include 35mm and 16mm motion pictures, two-inch and three-fourth-inch video tape, 90,000 motion picture stills, 30,000 glass plate negatives from the Detroit Publishing Co. Collection, 4,000 original illustrations from the Cabinet of American Illustration, 4,000 images from the American Cartoon Drawing Collection, 66 photo albums from the Abdul Hamid II Collection, and 1,500 color slides from the Farm Security Administration Collection. Two concerts in the Library's regular series of chamber music programs will also be selected for transfer to digital compact audio disk.

In addition to offering attractive features for preservation, disk storage may offer the public unparalleled high-speed access to some of the most fragile and important materials in the Library's vast collections. As many as 54,000 images can be stored on one

analog disk, for example, any one of which can be examined in a matter of seconds. With collections now totaling more than 80 million items and increasing at the rate of 7,000 a day, the Library of Congress will closely evaluate each part of this pilot project with an eye toward expanded applications in the future.

* **Library of Congress 32nd Special Project, Summer '83**
Ralph E. Ehrenberg, Assistant Chief, Geography and Map
EP Division, has issued an invitation for applicants to submit their requests to participate at the earliest possible date.

In the 31st annual summer special project concluded in August 1982, eleven map librarians and students sorted and screened 145,000 map sheets recently transferred from Government agencies, keyed 21,200 place name cutters, and assisted in miscellaneous atlas and map processing projects. In return, the 11 sponsoring institutions received 33,643 maps and atlases from the duplicate collection.

The 1983 Project will begin on Tuesday, July 5 and terminate Friday, August 12. For maximum benefit to the participant's institution and its representative, the full six-week period is recommended. However, in view of current budgetary restrictions, a limited number of four-week participants will be accepted.

Sponsoring institutions are responsible for salaries and transportation costs of participants. Project members work with regular staff on various tasks related to technical processing, and bibliographic and reference services. In exchange for services rendered they select, from surplus duplicate stocks, maps, charts, and atlases, for transmittal to their sponsoring institutions. A selection of up to 1,000 maps (or their equivalent in atlases) is made for each week of participation.

Although Projects are not designed as workshops or training sessions, participants benefit from experience gained by working in a large map library with highly qualified professionals. A series of weekly lectures by senior staff members will deal with specialized aspects of map librarianship and introduce participants to distinctive segments of the cartographic collections.

Interested applicants may address inquiries to Ralph Ehrenberg, Assistant Chief, Geography and Map Division, Library of Congress, Washington, D.C. 20540.

* **Geography and Map Division, Special Libraries Association,**
EP Annual Conference, Detroit, June 5-10, 1982.

Richard W. Stephenson has reported a summary of these sessions in the LC Information Bulletin for August 6, 1982, pp. 228-229.

- * **Map and Geography Round Table, American Library Association, (MAGERT), Annual Meeting, Philadelphia, EP July 10-15, 1982.**

Charles Peterson has reported a summary of the MAGERT meetings in the LC Information Bulletin for October 1, 1982, pp. 314-315.

- * **Defense Mapping Agency**

EP The DMA depository shipment received by depository map libraries about February 1, 1983, was the first shipment received via the U.S. Geological Survey. This is in response to the new agreements reached by DMA, USGS, and the Joint Committee on Printing (U.S. Congress). The Cartographic Users Advisory Council (CUAC), which is composed of WAML, MAGERT, G&MD, and GIS, has been working for the past two or three years for improvements in government map distribution. It is hoped that depository libraries will see regular shipments of DMA maps arriving in the USGS packages.

Among the items received are:

Defense Mapping Agency Hydrographic/Topographic Center.
Africa 1:2,000,000 Sheet 15 : Al Khurtum Edition 7
-DMA. 9-82. Compiled in 1979 from the best available
sources. Washington, D.C. Stock No. 2201X15.

(Before the arrival of this, Sheet 15 of this Series was a 1968 compilation, 6th Edition.)

Defense Mapping Agency Hydrographic/Topographic Center.
World. Large Scale Graphics. DMA Series 1146.
1:7,000,000 at the equator. United States sheet
1:4,500,000. 4th Ed. Received 30
sheets of this outline map, some of
which have "Cell Designators for
DTED2" (which I believe means Digital
Terrain Data", or something close.)
The set has notation "Base Map
Information as of May 1982", and some
"Series Indexed on this Base Digital
15' Cells"

In a separate shipment, from DMA Philadelphia, received Feb. 14, 1983:

Gazetteer of Ethiopia. Names approved by the United States Board on Geographic Names, published by the Defense Mapping Agency, Washington, D.C., August 1982. Stock No. GAZGNETHIOPIA "Research for this publication was completed in March 1979." Included is an "Index to 1:250,000 maps of Ethiopia JOG Series 1501.

1:250,000 Unified Hemispheric Mapping Series
Pan American Institute of Geography and History.
EP Newsletter No. 6, 31 January 1983.

Robert L. Senter, PAIGH Program Manager, DMA IAGS, Bldg. 144, Fort Sam Houston, Texas 78234 (telephone 512/ 221-4622 or 7074), has distributed this Newsletter to keep subscribers to the Series abreast of the program. To quote him:

"I have the pleasure of informing you that the remaining map sheets of Mexico have been completed. They are either in the process of shipment or have arrived at the DMA Distribution Center, Clearfield, Utah. Mexico has also published for Haiti its first PAIGH map sheet (NE 18-4) and shipped it to Clearfield. The DMA Distribution Center is in the process of distributing to subscribers 39 of those Mexican maps and 3 additional maps from Peru (SB17-7 Piura, SD18-6 Pisco, SD18-10 Ica).

For planning purposes, I am giving the rule of thumb figure of 100 map sheets for this year. This figure includes the remaining maps from Mexico plus additional production from Colombia, Peru, Ecuador, Bolivia, Uruguay, Costa Rica, Panama and Haiti for 1983. Argentina has promised to initiate the program this year; however, I am not sure that we will have maps for distribution until next year.

I regret the delay we had in getting the PAIGH billing automated here at Fort Sam Houston. Our computer people were busy with higher priority items and were unable to work on our program. However, the first billing was mailed on 17 January.

In conclusion I would like to share a personal observation from my recent trip to South and Central America, that there is a renewed interest and enthusiasm for the Unified Hemispheric Mapping Program. Many Latin mapping institutions now believe it will be successful."

(EDITOR'S NOTE: Ordinarily this much space would not be devoted to an item that most map librarians would receive due to their participation as subscribers, but I know there are a few of you that were taking a "wait and see" attitude for budgetary considerations. This newsletter will indicate the progress of the program, and at a per sheet price of \$2.25, if you have a need for this coverage, you can't find a better deal for high quality topographical coverage of Latin America.)

(EDITOR'S POSTSCRIPT: Dateline - Santa Cruz - Feb. 14, 1983 - Arriving in today's mail from DMA, Clearfield, Utah: 39 sheets of Mexico 1:250,000 PAIGH Americas series (maps compiled by DETENAL) and 3 sheets of Peru (same series). Cost: \$2.25 ea. = \$94.50, plus the shipping charges of \$2.35, total \$96.85.)

* U.S. Customs Service 1:25,000 Scale US/Mexican
EP Border Color Image Maps. 1982-

New Publications of the Geological Survey List 890, Publications issued in September 1982, p. 28, announced the release of the first eighteen sheets of this set of a projected 200 maps. While it is usually sufficient for the announcement to speak for itself, there is the burning question: Will Depository Libraries receive these maps automatically?

The answer to that question lies somewhere in the great beyond, and there are two approaches a map librarian might take that will be outlined below. First, the question of whether we will get this new set automatically was asked of Gary North, U.S. Geological Survey, at our meeting in San Antonio on January 8th (the Cartographic Users Advisory Meeting, details of which will be published in due course).

The answer given was a guarded "maybe". The situation is that this set was produced in cooperation with the Mexican Government (it was its high altitude color infrared photography used for compilation), and the printing contract did not specify a sufficient quantity for distribution to USGS Depository Libraries.

While map librarians wait for an answer to the automatic distribution question, the need of some librarians to acquire these maps will not be satisfied so easily. Those libraries with ongoing academic projects in the US/Mexican border area may want to proceed with the placement of purchase orders, and at \$2.00 per sheet the \$400 outlay will be well spent. If you should end up with two sets of these maps, the use will justify the expense. Others may just wait and hope for the best. Inter-library loan may be a viable option for an occasional use.

If an answer is forthcoming from USGS, it will be reported in the Information Bulletin. Let's hope that the answer will mysteriously appear in the next shipment of maps from USGS.

Stan Stevens, WAML Representative
Cartographic Users Advisory Council

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MADISON, WISCONSIN--Library Dedication Honors Robinson

EP Cartographers and geographers from the United States and Europe joined Walter Ristow, former Chief of the Geography and Map Division of The Library of Congress, in honoring Emeritus Professor Arthur Robinson, at the Thursday, November 4, 1982, dedication of the Robinson Map Library at the University of Wisconsin-Madison.

Robinson, 67, retired Lawrence Martin professor of cartography, was on hand for the ceremony. His wife, Mary Elizabeth Robinson, unveiled a portrait of her husband that will hang in the Map Library, which is located in 180 Science Hall. Mary Galneder is the Map Librarian.

Robinson was Chief of the Map Division in the Office of Strategic Services (OSS) during World War II and an advisor to President

Roosevelt during the "Big Three" conference at Malta.

After going to the UW-Madison in 1946, Robinson served as President of the Association of American Geographers and of the International Cartographic Association. He chaired the geography department and was director of its Cartographic Laboratory. He retired in 1979. He was an Honorary Consultant to the Library of Congress from 1974 to 1980, and in 1981 was awarded the International Cartographic Association's Carl Mannerfelt Medal.

The Robinson Map Library is in a new facility at UW-Madison, with 4,500 square-feet of floor space - more than twice the area in its previous location in Science Hall. The library has a collection of more than 200,000 maps and 135,000 aerial photos.

* Geogroup Corporation, 2437 Durant Ave., Berkeley, CA 94704.

Geogroup serves a broad spectrum of public and private organizations and provides a wide array of services. Much of Geogroup's work has involved analysis of planning and development issues in the San Francisco Bay region. Its geographic data system, BASIS (Bay Area Spatial Information System), provides a framework for these projects. BASIS has been in operation since 1976 and has steadily gained in capability as new data sets have been added to the system; it is particularly useful in complex projects where the relationship among many different types of data must be established. Several regionwide projects involving earthquake hazards mapping have been implemented for the Association of Bay Area Governments (under a U.S.G.S. contract). Other large-area projects included an analysis of flooding from a hypothetical rise in sea level. The system is also used to focus on smaller geographic areas within the region.

Geogroup also provides computer systems development, examples of which include the plotting of land capability maps. The firm also writes software for other computer systems, usually in applications which involve graphics.

The region that Geogroup includes in its databases encompasses the counties of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma. BASIS is the only comprehensive source of geographic data and spatial analysis for the entire nine-county region. BASIS can handle any type of mappable data, from physical and environmental features to socioeconomic characteristics. The real power of the system is its ability to interrelate many different types of data, using a common coordinate system. Using BASIS it is possible to find, for example, the number of people subject to high earthquake risk in each city or to determine the best location for a business facility.

The system will represent geographic data in many forms, depending on the nature of the data and its proposed use. Each geographic feature (schools, highways, geology) is represented in the most appropriate way (points, lines, areas). Much of the existing data

is represented as one-hectare grid cells: coverage of the entire region requires two million of these cells. A composite of many data sets can be produced through an overlay process, and can include distance searches and slope/aspect calculation. Maps include any number of data sets, and can be plotted at any scale.

Examples of BASIS applications include environmental assessment, natural hazards mitigation, site selection, mapping of population change, and airport noise analysis.

The Geogroup hardware system contains a 16-bit processor, up to one megabyte of memory, and peripheral controllers. Color or monochrome graphics are available. A large format digitizer allows for encoding map data. Map output is produced on a variety of hard copy devices: these include electrostatic plotters of several sizes, high resolution impact dot-matrix printers, or pen plotters.

Software, which is written in standard FORTRAN 77, is adaptable to the needs of the user.

* A software review by Russ Adams appears in the November 15, 1982 issue of InfoWorld, pp. 54-58. The product reviewed is Micro-Map 2.

Micro-Map 2 is a computer program in the Computer-Assisted Cartography series from Morgan-Fairchild Graphics. It is designed to aid in the organization, planning and drafting steps of map making for those professional cartographers with access to an APPLE II.

System Requirements: Apple II with Applesoft BASIC, DOS 3.3, 48K RAM, one disk drive minimum, graphics tablet, game paddles, color monitor. Price: \$650. Morgan-Fairfield Graphics, 4224-A University Way N.E., Seattle, WA 98105.

For those who are interested in this product, it is best to read the full review, but a synopsis of Russ Adams' remarks appear in the "Report Card" which accompanies the article: "Performance - Good", "Documentation - Fair", "Ease of Use - Good", and "Error Handling - Good". His summary is quite to the point: "The maps this program produces are beautiful. But if you think trilateration is writing words in a different alphabet, you probably won't find this program easy to use."

"The biggest problems with this product are the cartographic jargon used throughout and the lack of a program to print the maps you generate. These, coupled with its list price of \$650, made Micro-Map 2 a viable addition only to the professional map maker's library."

(EDITOR'S COMMENT: If a cartographer had reviewed this product, I wonder if we might not read a more enlightened picture of Micro-Map 2?).

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- * "Maps for Business; accessing an untapped information source" is an article by Barbara Shupe (Member of WAML) and Colette O'Connell. It appears in *Special Libraries*, April 1982, pp. 118-134. The article is a description of the services offered by the National Cartographic Information Center. There are four appendixes that list sources of map acquisition. (Barbara Shupe is map librarian at State University of New York, Stony Brook.)

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- * Peter Stark, Map Librarian, University of Oregon, Eugene, (formerly of Central Washington University, Ellensburg) compiled a map acquisitions list for the period July 1982 - December 1982 (issued in Jan. '83) that cites the "Total maps in collection" at 68,149, and provides, in call-number sequence, descriptions of the new maps cataloged. Map Services, Documents Department, Library, Central Washington University, Ellensburg, WA 98926.

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- * Phil Hoehn, Map Librarian, University of California, Berkeley, issues a monthly list of Maps Newly Cataloged Items, which includes atlases. It is computer generated from the central computer that produces similar lists for other units of the UC Berkeley library system. The list includes items which are in process, but not yet cataloged.

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- * The Library of Congress Geography and Map Division has a four page handout available for those who request a copy, entitled "Selected Map and Atlas Accession Lists", it is compiled by Donald A. Wise, and is dated 1979. (Some items are available free, other are not; the list does not specify.)

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- * "Maps for All Time" is the title of an article in the January 1983 issue of *Esquire* magazine, p. 31 ff. The article is placed under the page banner, "Man At His Best; a gentleman's guide to quality and style", and Smart Money. The article focuses on the value of maps as investments. (citation courtesy of J.B. Post)

INTRODUCTION TO MAP LIBRARIES

A slide/tape presentation for library personnel and library science students interested in map librarianship.

Prepared by the Geography and Map Division of the Special Libraries Association, the 24-minute, 80-slide introduction gives

an informative overview of map libraries and briefly discusses unique aspects of acquiring, cataloging, processing, and servicing cartographic materials.

Introduction to Map Libraries is available on loan for a fee of \$10.00 or may be purchased for \$85.00.

The loan period is not to exceed two weeks, and inquires regarding a loan should specify the two week period desired. Checks should be made payable to the order of the "Geography and Map Division, Special Libraries Association".

For orders and or further information contact: Anita K. Oser, Hunter Library, Western Carolina University, Cullowhee, NC 28723.

* **PERUVIAN MAPS** is taking reservations for Peruvian Road and Relief (topographical) sectionals. The relief maps are at EP the scale 1:100,000 and sell for \$9.00 each. Various other scales and types available, including the famous Kinzl - Schneider Cordillera Blanca Relief map at 1:200,000. Please let us know of your needs.

PERUVIAN MAPS

c/o Bill Stewart

119 Grandview

Ann Arbor, Michigan 48103

Phone: 313/665-5073

NEWS NOTES

Forthcoming Book Review

* Travel in Asia: A Guide to Information Sources, Edited by Neal L. Edgar, & Wendy Yu Ma. Detroit, Gale Research, 1983. (Volume 6 in the Geography and Travel Information Guide Series, part of the Gale Information Guide Library.) xviii + 413 pages. Annotations. Author, title, subject indexes. CIP. LC # 82-24271. ISBN 0-8103-1470-3. \$42.00.

This title will be reviewed in a forthcoming Information Bulletin.

Non-traditional Map Cataloging Information Sought

Charles A. Seavey, a graduate student at the University of Wisconsin, Member of WAML, former Map Librarian at the U. of New

Mexico, and many other credits, solicits the following from you:

"I am currently collecting information on 'non-traditional' cataloging/listing/filing methods used for map collections. I've got a good handle on Dewey, LC, Boggs & Lewis, AGS, et al. What I'm interested in are the various 'home grown' systems out there, particularly those using a computer in any way, shape or form. Please send samples, or explanations, or whatever you can. Many thanks. Please contact me at:

Charles A. Seavey, Library School
Helen C. White Hall, 600 North Park St.
University of Wisconsin, Madison, WI 53706

Space Shuttle May Have Spotted Gold in Mexico

This is the title of a United Press article that appeared in the San Francisco Chronicle, December 10, 1982. To summarize -

"An Earth-watching instrument carried in the space shuttle last year spotted the mineral clues to what may be a potentially rich gold and silver deposit in a remote Mexican desert, the National Aeronautics and Space Administration reported yesterday."

NASA said a team of geologists flown into the Baja California site by helicopter verified the presence of the indicator minerals, primarily iron oxides plus a clay called kaolinite. The announcement claimed that "The finding marks the first time that a group of minerals typical of metal-rich areas and been pin-pointed from space". NASA said areas containing these minerals are high-priority exploration sites for gold, silver, copper, lead and zinc deposits.

Similar surface minerals are found in areas of the Western United States. The agency cautioned that considerable exploration will be needed to confirm that the ores themselves are there.

New Mapping Systems Widen Knowledge of Seas

Walter Sullivan, writing in The New York Times (a Sunday issue, either Dec. 26th or Jan. 22nd, 1983 - according to the supplier of this clipping), reports the work of scientists at the Jet Propulsion Laboratory, Pasadena, California, and at the Columbia University Lamont-Doherty Geological Observatory in Palisades, New York, and their success in mapping the world's ocean floors. These undersea features have been sensed remotely from earth orbiting satellites.

For an example, Sullivan refers to the work of Timothy Dixon at JPL who has analyzed data that discloses a submarine plateau in the Southwest Pacific as large as California and more than a mile high.

It is possible, Sullivan reports, to derive the large-scale topography of the sea floor because hills and valleys, measured horizontally in miles and vertically in hundreds of feet, modify gravity at the top of the ocean sufficiently to produce tiny variations in elevation of the water surface. These were measured over all oceans by a radar altimeter carried in 1978 by the Seasat.

"Maps of all the major ocean basins have been made by the Lamont group, under Dr. William Haxby. The gravitational attraction of a deeply submerged seamount draws enough water together above it to produce a bump in the sea surface several inches high. The trenches that rim the western Pacific produce tiny valleys in the covering of water. The Seasat altimeter traced variations as small as two to five inches, after averaging out the effects of waves.

While the flight path of the satellite was itself subject to variations in gravity, it was orbiting so high, 500 miles aloft, and at such high velocity that its orbit responded to gravitational effects only on a scale of hundreds of miles.

"When Dr. Haxby showed his color-coded maps of the various ocean basins at this month's fall meeting of the American Geophysical Union in San Francisco, they created a sensation. In a few weeks Dr. Haxby hopes to have completed a single map showing all the world's ocean basins."

The balance of Sullivan's article indicates plans for the launching of additional satellites that will provide additional data useful to these investigations.

Maps: Who Uses Them?

Gary North, Assistant Chief of the National Mapping Division, U.S. Geological Survey, has compiled an article with the title cited above, which should be required reading of all map librarians.

It appears in Bulletin No. 130, December 1982, Geography and Map Division, Special Libraries Association.

The article analyses the production of map by U. S. federal government agencies, and who uses them. It also cites some statistics of the two largest commercial firms, Rand McNally and Denoyer-Geppert. North also presents the results of a survey conducted by the Cartographic Users Advisory Council on map use.

Campus Maps Wanted

J. B. Post, Map Librarian, Free Library of Philadelphia, Philadelphia, PA 19103-1157, is seeking donations of maps of your campus.

"Once again this is the season for a rush on campus maps. While one usually refers such questions to college catalogs for the maps one doesn't have right on hand, this can be tedious for the user - and disappointing if the map is torn out.

Why not an atlas of campus maps?

And, so, this is the next project here at FLOP. I am asking for the help of all map colleagues to send copies of campus maps for campuses (campii?) in North America (that includes Canada & Mexico) and in outlying U. S. territories. A cheap production is envisioned, but plans may change. The first step is to gather the material. As to what institutions would be included, The World of Learning is a starter for candidates, but the real criteria is going to be what is collected. Copyright will be a problem (unless published by Fly-by-Night Press), and some maps may not be able to be reproduced.

Any help from the map community will be appreciated."

University of Washington Map Preservation Grant

Gary L. Menges, Associate Director of Libraries for Public Services, University of Washington Libraries, Seattle, has announced that his institution has been awarded a \$250,000 grant from the U. S. Department of Education to preserve maps and newspapers important to the historical study of the Pacific Northwest region, and to make the materials more accessible to scholars.

The 15-month project will include preservation of approximately 5,000 historically significant map sheets produced between the years 1552 and 1939. Each map will be individually inspected and treated with such preservation measures as cleaning, deacidification, mending of tears, mylar encapsulation, storage in acid-free folders and housing in modern metal map cases. The need for the preservation of historic maps was established in 1981 following an evaluation of the physical condition of the Libraries collections.

The newspaper component of the project will include microfilming back files of Pacific Northwest newspapers, cataloging the microfilm, indexing articles of regional importance and compiling a bibliography of the Libraries' Pacific Northwest newspaper holdings.

Director of the project is Mr. Menges, and assisting him in the

map preservation project will be Steve Hiller, Map Librarian, and Sandra Kroupa, Rare Books Specialist. The preservation work will be done in the Libraries' in-house repair unit under the direction of a preservation specialist hired for the project.

Brittle Maps

The October 30, 1982 issue of *Science News* includes a report by Cheryl Simon entitled "Brittle maps: Cause for alarm". It relates to the annual meeting in New Orleans of the Geological Society of America:

"At the end of a year-long moratorium on binding of books (because of the high cost), librarians at Lamont Doherty Geological Observatory in Palisades, N.Y., turned their attention to the growing backlog of materials needing repair. What they saw alarmed them: Not only was the backlog of books, monographs and serials needing binding enormous, but much of the material was too brittle to be rebound. In light of the special features - foldouts and maps needing pockets - of many geological texts, the librarians embarked on a three-part preservation survey designed to clarify the extent of the problem and find possible solutions. A sample group of 3,474 items, about 3 percent of the total collection at Lamont Doherty, was examined, reported Susan Klimley, geology librarian. (WAML Associate Member)

"Based on the sample, 43 percent of the collection needs repair or rebinding, and 13 percent is beyond repair. A subset consisting of one-third of the sample shows that monographs have survived pretty well, probably, Klimley says, because most of them are bound when received. Only 11 percent need preservation. Eighty-nine percent of sets of multivolume titles need preservation, she says, and of these 24 percent simply cannot be repaired.

"All libraries face similar problems, both because collections have been poorly maintained and because acid in paper speeds deterioration. Lamont Doherty's plight, Klimley says, may differ slightly from that of other libraries because of specific conditions, such as poor air circulation and lack of air conditioning, both of which hasten acidification. But she adds, the prevalence in geology collections of foldout maps, many of which are so brittle that they cannot be handled, presents special problems. Oversized maps could be photographed in sections, but when piecing them together, would the user lose scale around the edges? Would color maps be as useful if microfilmed in black and white? Is it plausible to store maps separately from the texts they accompany? 'It's going to happen to everybody,' Klimley says, referring to deterioration of collections. The problem is particularly grave in the earth sciences, she says, because 'geologists tend to use historical literature more than scientists in most other disciplines,' building on existing maps rather than starting each time from scratch."

Royal Geographical Society decides not to Publish

Sometime in 1980, the Royal Geographical Society, 1 Kensington Gore, London, England, made inquiries of potential subscribers:

EP "RGS Map Accessions List: In the event of the RGS deciding to publish a map accession list from 1981 at six-monthly intervals at an approximate cost of (one Pound Sterling) per list, I would wish to order...."

In a letter dated March, 1981, Miss S. J. Camp of the Royal Geographical Society Publications Department indicated that "it has been decided by the Library and Maps Committee of the Society, that because of the small interest in this list, it would be too costly to publish. We regret therefore, that this publication will not be available."

* Canadian Heritage Publications. Facsimile Editions of Maps
DL and Rare Canadiana. P.O. Box 3794, Station C, Ottawa,
Canada K1Y 4J8 (Telephone 613/ 729-0579).

This company has published eighteen facsimiles of towns and counties of Ontario, ranging in price from \$2.50 for individual items plus post and handling, to \$25.00 for the set and \$4.25 postage in Canada, \$5 for US or other countries.

* Minnesota Department of Transportation, John Ireland Blvd.,
Room B-20, Transportation Building, St. Paul, MN 55155
DL (telephone 612/ 296-2216).

Minnesota Bikeways Three sets of maps: Twin Cities Metro, a set of eight maps; Duluth, a set of two maps; State of Minnesota, a set of 44 maps. Each map contains the following information: road analysis for bicycle usage, off-road bikeways, historical, social and cultural attractions, public parklands and facilities, bicycle touring equipment list. Each map is \$1.26 (tax included), plus \$1.00 per order postage and handling. Checks payable to: "Commissioner of Transportation". All maps folded to 6 x 9 inches.

* Boston Redevelopment Authority. Photogrammetric Map Sheets.
Scale 1" = 100', based on photography taken 1965, 71, 77.

DL Various sizes of reproductions are available in blackline prints and sepias. The entire metropolitan area of Boston has been indexed on 329 sheets, covering the 22 Wards and 12 named communities within Boston, e.g.: Boston Proper, South Boston, South Dorchester, Hyde Park, etc. Then each of the 329 index areas has 5 different types of maps, making a total of 1,645 maps for coverage of the entire area at all levels of information. Map Sheet 1 shows Blocks & Street Names; Map Sheet 2 adds Topography (to data for sheet 1); Map Sheet 3 adds Parcels (to data for sheet 1, but no topography); Map Sheet 4 adds Buildings & Street Addresses (to data for sheet 1, and no topography); and Map Sheet 5 combines the data of Map Sheet 4 with Parcel Areas & Block Numbers added.

The Agency also publishes a series of Research Department Publications, (#1 dated March 1974, #97 dated March 1981) these cover a wide range of economic, social, and physical characteristics of planning. Research Department, Boston Redevelopment Authority, City Hall, Boston, MA 02201.

* **Geothermal Gradient Map of the United States, exclusive of Alaska and Hawaii**, by Andrea Kron and John Stix.
EP 1982. Scale 1:2,500,000. Map produced by the National Geophysical Data Center, National Oceanic and Atmospheric Administration, for the Los Alamos National Laboratory, University of California. (Los Alamos National Laboratory, Los Alamos, New Mexico 87545). Map prepared by Ronald H. Smith, Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado/NOAA, Lawrence W. Miller, Jr., and Joy A. Ikelman, NGDC/NOAA, Boulder, Colorado. Map and digital data available from: NOAA/NGDC, Data Mapping Group, Code D62, 325 Broadway, Boulder, Colorado 80303. Inquires about this project should be directed to: Hot Dry Rock Geothermal Program Office, Los Alamos National Laboratory, Los Alamos, New Mexico, 87545. Map distributed by the Government Printing Office to depository libraries.

* Documents Index, Box 195, McLean, VA 22101 (telephone 703/356-2434. **Guide to USGS Geologic and Hydrologic Maps**.
EP 1983. 644 p. \$75 (\$70, cash with order).
The new edition of this title (formerly the Guide to U.S. Government Maps, Geologic and Hydrologic Maps, also known under the compiler's name - Laurie Andriot) is now available. It covers over 7,200 thematic maps published by the U.S. Geological Survey from 1879 thru 1981. The entries include series number, title, author, date of publication, latitudes and longitudes, scale, contour intervals, map sheet size, and annotations for selected maps.

Documents Index indicates that they have "enlarged the coverage of the area-subject and subject-area indexes and made them both more detailed in nature."

This edition has been printed in hardback in a very limited number of copies. Once the supply is exhausted, the publisher will fill orders received in a microfiche edition only. The 1983 edition will serve as a basic volume to be updated by annual, cumulative supplements. Subscribers will be notified each year prior to publication of the price and date of publication.

Documents Index does not have an automatic standing order service for its publications. The publisher urges to place your orders for the new edition soon. (Editor's Note: One might order the Microfiche edition only if that's what you want, but the publisher does not indicate if there is a difference in price.)

Another publication that map librarians may know of, also from Documents Index, is its Township Atlas of the United States,

published in 1979. As a companion volume, Documents Index will release on March 1, 1983, its **Population Abstract of the United States**. 2 volumes, 1,316 p. maps. \$95 per set (\$90 cash-with-order; \$125 per set, \$115 cash-with-order, after March 1, 1983).

This new publication will include all available historical totals for the 50 States, 3,064 counties, and 2,217 incorporated places with a 1980 population of 10,000 or more. Each State section contains a brief history of the formation of the State; a map and index showing names and locations of counties; historical population totals for the State, counties, and cities from 1980 back to the earliest census; and a comparative table showing the 1970 and 1980 population for all minor civil divisions for each county. There are some unique features to this work, and will save searching through individual state reports for data.

* **The Nova Scotia Fisheries Atlas.** Amherst, Nova Scotia, EP Maritime Resource Management Service, 1982.
\$12.50 + postage. A factual and graphic publication depicting the Nova Scotia fishing industry. The Atlas contains 14 easy to read, colourful maps covering: landings and species, the fishing fleet, employment, onshore facilities and infrastructure, fish product exports. NRMS is an agency of the Council of Maritime Premiers, its address is P.O. Box 310, Amherst, Nova Scotia B4H 3Z5. Add \$1.20 post within Canada, \$2.00 to U.S.A., and \$4.00 to other countries, a C.O.D. charge is \$1.50 + postage. It may be ordered by Purchase Order as well as by VISA OR CHARGEEX.

* Harold Otness, Reference Librarian at Southern Oregon State College, Ashland, Oregon 97520, and former President of WAML, has sent the following note:

"The 1981 Annual Report of the Hong Kong and Shanghai Banking Corporation has as its theme the historical importance of maps as a stimulus to trade. Numerous beautiful examples of historical maps are reproduced throughout and there is an essay by Paul Theroux (author of *The Great Railway Bazaar*, *The Patagonia Express*, etc.) entitled "Mapping the World". This is a most extraordinary annual report. I doubt that an American corporation would ever think of doing such a thing. The Hong Kong and Shanghai Banking Corp. is a very British concern.

Most academic libraries maintain annual report files...", so map librarians might seek this out in their own collections.

* **Gazetteers:** Official Standard Names Approved by the U.S. LC Board on Geographic Names. The following are on a Nov. 81 list recd. June 1982) as "Copies Currently Available".
Direct requests to Defense Mapping Agency, Office of Distribution Services, ATTN: D01, 6500 Brookes Lane, Washington, D. C. 20315.

Afghanistan, 1971; Africa & S.W. Asia Supplement, 1972; Albania,

1961; Algeria, 1972; Americas Supplement, 1971; Angola, 1956; Antarctica, 1969; Argentina, 1968; Asia Supplement, 1972; Australia, 1957; Australia, New Zealand and Oceania Supplement, 1972; Austria, 1962; Bahrain, Kuwait, Qatar, and the United Arab Emirates, 1976; Bangladesh, 1976; Belgium, 1963; Bolivia, 1955; Brazil, 1963; British Honduras, 1956; British Solomon Islands, 1974; British West Indies and Bermuda, 1955; Bulgaria, 1959; Burma, 1966; Burundi, 1964; Cambodia, 1971; Central African Republic, 1962; Ceylon, 1960; Chad, 1962; Chile, 1967; China, Mainland (Vols I & II), 1968; China, Republic of, 1974; China, People's Republic of: Pinyin to Wade-Giles, Wade-Giles to Pinyin, 1979; Colombia, 1965; Conventional Names, 1977; Cameroon, 1965; Canada, 1953; Congo (formerly French), 1962; Congo, Republic of (formerly Belgian), 1964; Costa Rica, 1956; Cuba, 1963; Czechoslovakia, 1955; Dahomey, 1965; Denmark, 1961; Dominican Republic, 1972; East Germany, 1959; Ecuador, 1957; Egypt, 1959; El Salvador, 1956; Europe & U.S.S.R. Supplement, 1971; Fiji, Tonga, Nauru, 1974; Finland, 1962; France (Vols I & II), 1964; French Guiana, 1974; French West Indies, 1957; Gabon, 1962; Gambia, 1968; Ghana, 1967; Greece, 1960; Guatemala, 1965; Guinea, 1965; Guyana, 1976; Haiti, 1973; Hawaiian Islands, 1956; Honduras, 1956; Hong Kong & Macao, 1972; Hungary, 1961; Iceland, 1961; India (Vols I & II), 1952; Indian Ocean Islands, 1957; Indonesia, 1968; Iran, 1956; Iraq, 1957; Ireland, 1950; Israel, 1970; Italy, 1956; Ivory Coast, 1965; Japan, 1953; Jordan, 1971; Kenya, 1978; Laos, 1973; Lebanon, 1970; Liberia, 1976; Libya, 1973; Luxembourg, 1951; Madagascar, 1955; Malawi, 1970; Malaysia, Singapore and Brunei, 1970; Mali, 1966; Malta, 1971; Mauritania, 1966; Mexico, 1956; Mongolia, 1970; Morocco, 1970; Mozambique, 1969; Netherlands, 1950; Netherlands Antilles, 1952; New Caledonia, 1974; New Hebrides, 1974; New Zealand, 1954; Nicaragua, 1976; Niger, 1966; Nigeria, 1971; North Korea, 1963; North Vietnam, 1964; Norway, 1964; Oman, 1976; Pakistan, 1978; Panama, 1969; Paraguay, 1957; Peru, 1955; Philippine Islands (Vols I & II), 1953; Poland (Vols I & II), 1955; Poland Supplement, 1958; Portugal, 1961; Portuguese Guinea, 1968; Rumania, 1960; Rwanda, 1964; Saudi Arabia, 1978; Senegal, 1965; Sierra Leone, 1966; South Africa (Vols I & II), 1954; South Atlantic Islands, 1957; South Pacific Islands, 1957; Southern Rhodesia, 1973; South Korea, 1966; South Vietnam, 1971; Spain, 1961; Spanish Guinea, 1962; Spanish Sahara, 1969; Sudan, 1962; Surinam, 1974; Sweden, 1963; Switzerland, 1950; Syria, 1968; Tanzania, 1965; Thailand, 1966; Togo, 1966; Tunisia, 1964; Turkey, 1960; Uganda, 1964; Undersea Features, 1981; United Kingdom, 1950; Upper Volta, 1965; Uruguay, 1956; U.S. Possessions in the Caribbean, 1958; U.S.S.R. (7 Volumes), 1970; Venezuela, 1961; West Germany (2 Volumes), 1960; West Pacific Islands (including Guam), 1957; Yemen, Arab Republic of (Sana), 1976; Yemen, Peoples Democratic Republic of (Aden), 1976; Yugoslavia, 1961; Zambia, 1972.

* New Map Pinpointed Danger Zone for Avalanche
 A news article under this banner, by Pat Murkland,
 DL Sacramento Bee correspondent, appeared in that paper on
 Friday, December 3, 1982, p. E9.

"AUBURN - After one of the season's first avalanches rolled down a slope near Alpine Meadows Road Tuesday, Placer County's emergency services coordinator went to a new set of maps he'd received Monday. The avalanche, which had buried two unoccupied cars under 12 feet of snow but caused no injuries, was in an area mapped red - "high hazard" - emergency coordinator Jim Armstrong said. High hazard means there is one chance in 20 each year an avalanche will hit buildings and vehicles, according to an avalanche study being reviewed by Armstrong and other county officials. Officials from Nevada and Placer counties asked avalanche expert Norman Wilson this summer to map Sierra snowslide areas and recommend ways to reduce their danger. As part of Placer's \$9,900 study, Wilson examined past weather patterns, walked ridge tops and took aerial photographs of North Lake Tahoe that included an area near the Alpine Meadows ski resort, where a March 31 avalanche killed seven people. However, the study excluded private ski areas such as Alpine Meadows and back country trails. Named as most avalanche-prone are a stretch of Highway 89 along the Truckee River about a mile from Tahoe City; a site that includes houses in the Alpine Meadows area; and a region near Sugar Bowl ski resort. Other high-hazard zones include the Onion Creek Campground and a spot below Ice Lakes in the Soda Springs area. In Nevada County, the west end of Donner Lake is marked as a dangerous avalanche zone. Planners intend to use Wilson's maps to see whether avalanches could hit a 50-acre subdivision proposed for the area. In Placer County, an informal committee that includes sheriffs, planning and public works staffs has been reviewing Wilson's report and will suggest ways it can be used, Armstrong said. One possible use is to help plan emergency evacuations, he said. The study names the weather conditions that cause different kinds and sizes of avalanches. For example, if 36 inches or more of snow falls in a day and the wind is between 15 and 30 miles per hour, residents in high hazard zones should be evacuated, the report recommended. Sierra slopes facing north and east frequently have the snow and wind conditions that cause avalanches, according to Wilson. Along with avalanches come deadly side effects such as "wind blast," which is caused when snow slides great distances quickly, the report said. Another danger is "snow creep," a "massive, nearly incalculable force of snow" settling down a slope. Wilson recommended that warning signs be posted in avalanche areas. Statements should be attached to property deeds and renters should be notified, Wilson said. Armstrong said the committee agrees that warning signs should be posted but hasn't decided if they should be posted at the beginning of snow season or after the snow reaches a certain height. He said he expects the committee's recommendations to go to the Board of Supervisors within the next few weeks. "Its going to have to be soon," he said. "Nobody expected at this time of year we'd have slides already occurring."

(EDITOR'S NOTE: I almost didn't print this article. It was copied, word for word, but without the paragraph breaks that appear in the original - just to save a little space -. Those of you who have read it should have recognized its major flaw, and this is why I chose to take the space to print it. The reporter fails to tell the reader where the maps may be seen, or enough about the maps that one might order a map or set of maps. Are

they done on the 7.5-minute topo base or the 15-minute topo base, or some other base map possessed by the County of Placer, or the County of Nevada? Are they available for viewing by the public? All well and good - thanks, Pat Murkland, but I want to know if my house is in the path of the potential avalanche! Where do I see these maps, how can I get ahold of them?

What should we do, as Map Librarians and citizens interested in putting information in the hands of the public, about the Pat Murklands of the world? How about a letter to the Editor of the Sacramento Bee? How about a letter to the reporter himself, encourage him to do a follow-up story on this! He could describe the maps, and if he doesn't know how to describe them, or what a map looks like - here's the opportunity to educate him too! There must be examples of this type of reporting taking place throughout the United States and other countries. Map Librarians! Arise! Stamp out map-less reporting!)

USGS Topo Maps Limited to One Copy

* Riley Moffat, WAML President, and Map Librarian at Brigham Young University, reports that the U. S. Geological Survey has changed its practice with respect to the distribution of topographic quadrangles. The following is an excerpt from a letter dated February 9, 1983, from Frank A. Ouseley, Chief, Office of Product Distribution Policy, Information and Data Services, National Mapping Division:

"We regret to inform you that we must reduce our sendings of Utah topographic quadrangles from two copies to one"

BYU was receiving two copies of each Utah topo, as justified by the heavy use the quads received. In addition, the number of replacement maps (damaged or lost after receipt) is being limited to one-hundred items per year. Therefore, Riley suggests that if map libraries lose more than one-hundred maps a year they will need to prioritize or pay for replacement copies.

NCIC Newsletter

The Winter 1982, Newsletter No. 13, of the National Cartographic Information Center (NCIC), was received on February 23, 1983, and indicates an administrative change for the EROS Data Center. It is now administered by the USGS National Mapping Division.

NEW MAPPING OF WESTERN NORTH AMERICA

Contributions by:

MB = Mary Blakeley, University of Arizona, Tucson

- JC = Jim Coombs, Southwest Missouri State Univ., Springfield
 JW - Jim Walsh, University of Wyoming, Laramie
 SH = Steven Hiller, University of Washington, Seattle
 ML = Mary Larsgaard, Colorado School of Mines, Golden
 EP = The Editor, from Publisher's blurbs, or items in hand
 PS = Peter Stark, University of Oregon, Eugene
 RS = Robert Sathrum, Humboldt State University, Arcata, CA
 RW-S = Ronald Whistance-Smith, University of Alberta, Edmonton

ALBERTA

- * Alberta Advanced Education and Manpower.
 Population of Alberta: Distribution; population growth; births and deaths; migration; sex and age; education and labour force. Edmonton, 1980. 6 posters, each with 4 to 7 maps and graphs, each 88 x 56 cm. Free: Alberta Advanced Education and Manpower, Planning Secretariat, Devonian Building, 11160 Jasper Ave., Edmonton.
- RW-S
- * Alberta Bureau of Surveying and Mapping.
 Alberta Landsat mosaic. Edmonton, 1981. Scale 1:1,500,000. It appears to be a reprint of the 1979 edition. 89 x 53 cm.
- RW-S \$2.00: Alberta Bureau of Surveying & Mapping, 4949 94 B Ave. Edmonton, Alberta T6B 2T5 (phone 427-6467).
- * Government of Alberta.
 This is Kananaskis Country. Calgary, 1981?
- RW-S Scale 1:150,000. 56 x 48.5 cm. Brochure with map and much descriptive text of a controversial recreational area. Free: Kananaskis Country, 412, 1011 Glenmore Trail S.W., Calgary, Alberta, Canada T2V 4R6 (phone 403/ 261-3362).

ARIZONA

- * Bureau of Indian Affairs (U.S.)
 Highway system map, Papago Indian Agency, Arizona. Phoenix, 1978. Set of 9 sheets, 1:125,000. 43 x 50 cm.
- MB Free: U.S. Bureau of Indian Affairs, Phoenix Area Office, Branch of Roads, 3030 No. Central Av., Phoenix, AZ 85012.
- * Bureau of Land Management (U.S.)
 State of Arizona wilderness status map. Washington, D.C., 1981. 1:1,000,000. 66 x 58 cm. Free: U.S. Bureau of Land Management, 2400 Valley Bank Bldg., Phoenix, AZ 85703.
- MB
- * Bureau of Land Management (U.S.)
 Surface Management Status, and, Mineral Management Status. Holbrook NE/4. 1982. 1:100,000. 56 x 85 cm. \$3.25:
- MB

U.S. Bureau of Land Management, Arizona State Office,
2400 Valley Bank Center, Phoenix, AZ 85073.

- * Bureau of Land Management (U.S.)
Intermediate Scale Maps 1:100,000. 76 x 107 cm. Each
sheet covers one-degree of longitude x 30-minutes of
latitude. Maps in this series show township, range, and
section lines; road; streams; towns; and some other
cultural and physiographic features. BLM prints inter-
mediate scale maps in two editions, the Surface Management
edition and the Surface Minerals Management edition. The
distinction is that Surface Management shows land status
(Public Lands managed by BLM and other Federal lands,
State lands, and private lands), Surface-Minerals Manage-
ment has the extent of Federally-owned mineral rights
overprinted on the Surface Management edition.

EP

Each map is \$3.25, specify the edition. Available from 3
locations: State and District Offices in each State, or
areas west of the Mississippi River from: Branch of Dis-
tribution, Central Region, U.S. Geological Survey, Box
25286, Denver Federal Center, Denver, CO 80225. Prepay-
ment required and must accompany orders. Check or money
order made payable to the "U.S. Geological Survey".

New ARIZONA sheets, from the July 1, 1982 Intermediate
Scale Map Index:

Glen Canyon Dam, 1980; Holbrook, 1980.

- * Forest Service (U.S.), Southwestern Region.
Mazatzal Wilderness, Tonto National Forest, Arizona.
Albuquerque, NM, 1978. 1:65,000. 100 x 63 cm. Includes
location map. GPO Depository Item: A13.28:T61/4.
Forest Supervisor, Tonto National Forest, 102 South 28th
St., P.O. Box 29070, Phoenix, AZ 85038. OCLC: 8711798

JC

- * Geological Survey (U.S.)
Annual summary of ground-water conditions in Arizona,
Spring 1980 to Spring 1981. Tucson, 1982. 1:1,000,000.
89 x 58 cm. Includes descriptive text, list of recent
publications, maps showing status of ground water in-
ventory and estimated ground-water pumpage in Arizona in
1980. Free: U.S.G.S., Water Resources Division, 301 West
Congress, Box FB-44, Tucson, AZ 85701.

MB

- * Geological Survey (U.S.)
State of Arizona base map with highways and contours.
Washington, revised 1981. 1:500,000. 155 x 125 cm.
\$3.25 U.S.G.S., Branch of Distribution, Box 25286 Federal
Center, Denver, CO 80225.

MB

- * Grand Canyon Natural History Association.

- MB Geologic map of the Hurricane Fault Zone and vicinity, Western Grand Canyon, Arizona. Grand Canyon, AZ, 1981. 1:48,000. 133 x 94 cm. \$8.00 (rolled), Plateau Mapping Project, P.O. Box 3681, Laramie, Wyoming 82071
- * Keith, Stanton B. (compiler)
MB Map of known nonferrous base and precious metal mineral occurrences in Arizona. Tucson, March 1969, reprinted 1978. 1:1,000,000. 65 x 58 cm. \$.75 cents: Arizona Bureau of Geology and Mineral Technology, 845 North Park Avenue, Tucson, AZ 85719.
- * Phoenix Mapping.
MB Metropolitan Tucson street atlas. Phoenix, 1981. 28 x 21 cm. Includes school districts, central business district, University of Arizona campus and street index. \$2.50: First Interstate Bank, Tucson Main Office, 150 North Stone Ave., Tucson, AZ 85701
- * Pima County Division of Elections.
MB Pima County Division of Elections 1982-83 precinct map. Tucson, 1982. 1:43,000. 101 x 145 cm. Shows precinct boundaries, congressional district boundaries and legislative district boundaries. \$5.00: Pima County Division of Elections, 115 North Church, Tucson, AZ 85701
- * R. A. Drafting Service.
MB Tucson 1980's major street and area guide. Tucson, 1980. 53 x 63 cm. Shows Tucson basin and the mountains surrounding the city. Also available in smaller and larger sizes. \$2.15: Associated Technologies of Arizona, 928 West Grant Road, Tucson, AZ 85705 (tel: 602/ 792-4644)
- * Stulik, R. S.
ML Maps showing groundwater conditions in the Waterman Wash area, Maricopa and Pinal Counties, Arizona--1982. Phoenix, June 1982. Hydrologic Map Series report #8. 1:125,000. 3 sheets. Free?: Dept. of Water Resources, 2810 S. 24th St., Suite 122, Phoenix, AZ 85034.
- * Witcher, James C, Claudia Stone, and W. Richard Hahman, Sr.
MB Geothermal resources of Arizona. Tucson, 1982. 1:500,000. 155 x 125 cm. Free over the counter; \$1.00 charge for mail: Arizona Bureau of Geology and Mineral Technology, 845 N. Park Ave., Tucson, AZ 85719.

CALIFORNIA

- * Bureau of Land Management (U.S.)
EP Intermediate Scale Maps 1:100,000. 76 x 107 cm. Each sheet covers one-degree of longitude x 30-minutes of latitude. Maps in this series show township, range, and section lines; road; streams; towns; and some other

cultural and physiographic features. BLM prints intermediate scale maps in two editions, the Surface Management edition and the Surface Minerals Management edition. The distinction is that Surface Management shows land status (Public Lands managed by BLM and other Federal lands, State lands, and private lands), Surface-Minerals Management has the extent of Federally-owned mineral rights overprinted on the Surface Management edition.

Each map is \$3.25, specify the edition. Available from 3 locations: State and District Offices in each State, or areas west of the Mississippi River from: Branch of Distribution, Central Region, U.S. Geological Survey, Box 25286, Denver Federal Center, Denver, CO 80225. Prepayment required and must accompany orders. Check or money order made payable to the "U.S. Geological Survey".

New CALIFORNIA sheets, from: July 1, 1982 Intermediate Scale Map Index:

Cape Mendocino, 1979; Eureka, 1979; Garberville, 1979.

* California Department of Forestry.

Geologic-landslide maps. Sacramento, 1979. 1:62,500. 46 x 61 cm. Set of 65 blue-line prints covering CDF's Region 1 (Northwestern California) which were developed to aid in geologic review of timber harvest plans. Using USGS 15' quads as a base, landslides, rock types, and faults are mapped. Standard sources of geological information were utilized in map compilation but "...not all areas have been uniformly mapped with the same thoroughness or intensity". Includes separate "Index to Geologic Mapping" and "Description of Units" for the north and south areas of the region. \$1.00 each, \$65 set: Resource Inventory Maps, Room 1342-5, California Dept. of Forestry, 1416 9th St., Sacramento, CA 95814.

* California Highway Patrol.

California highway travelers map. (s.n., s.l.) 1982? 1:1,330,560 Shaded relief. Insets: San Francisco Metropolitan Area; Los Angeles Metropolitan Area; Sacramento Metropolitan Area; San Diego Metropolitan Area. Usual classification of highways: State Highways (freeways, 2 lane highways, other multi-lane highways); Interstate; U.S. Highways; California Highway Patrol Offices; Roadside rests; commercial airports; and, hospitals with 24 hour emergency service. The verso of the map (104 x 56) has basic driving laws, descriptions of road signs, and photos of CHP vehicles. The folded cover (21 x 14 cm) has a photo of and caption: "Yosemite National Park", with map title: California. A small map (21 x 14 cm) on verso indicates distance in miles, and driving time in hours and minutes for major points in California and adjacent places

in neighboring States. The map came us us via our Calif. Documents Depository, but there is no indication on the map of who is responsible for it, or the date, etc.

- * Coordinating Committee on Pesticides.
The Chemical State. Albany, California, 1981. (no scale)
RS 92 x 72 cm. "This map is a picture of five major sources of chemical threats to the health and environment of Californians: air pollution, water pollution, pesticides, hazardous wastes and manufacturing industries." Includes 23-page booklet. \$10.: Coordinating Committee on Pesticides, 1057 Solano Avenue, Room 106, Albany, CA 94706 (phone 415/526-7142).

- * Forest Service (U.S.)
CALVEG; mosaic of existing vegetation of California.
San Francisco, 1979. 1:1,000,000. 104 x 112 cm. Includes
RS 27-page booklet (dated May 1980) describing the "Classification of California vegetation" system. Map "Prepared with the financial assistance of: BLM, Calif. Dept. of Fish and Game, and USFS". Free: Regional Ecology Group, U.S. Forest Service, 630 Sansome St., San Francisco, CA 94111 (telephone 415/ 265-4531).

- * Molenaar, Dee (compiler)
PS Pictorial landform map, Point Reyes National Seashore and the San Andreas Fault, California. Compiled by Dee Molenaar. Berkeley, Wilderness Press, 1982. 64 x 53 cm. \$3.95 (folded or rolled): Wilderness Press, 2440 Bancroft Way, Berkeley, CA 94704-1676. (Also available in bookstores and sporting goods stores.)

Point Reyes National Seashore covers an area of about 100 square miles and offers something for every outdoor enthusiast. This "map" was drawn in multi-colors as an aerial perspective of the Point Reyes Peninsula, and clearly shows roads and trails, with mileage between points. To further enhance the map, Molenaar has added complete descriptions of all the trails, an explanation of the extraordinary geology, an index of all the names on the map, and eight original watercolor scenes. It has information for visitors, including facilities, safety regulations, climate, and natural history.

COLORADO

- * Colorado State University, Earth Resources Department.
State of Colorado Landsat satellite image mosaic. Fort
Collins, 1982? 1:500,000. 89 x 124 cm. Imagery obtained
June 26--July 10, 1976. Color composite of MSS Bands 4,5,7.
JC \$10.00: Earth Resources Department, Colorado State University, Fort Collins, CO.

* Bureau of Land Management (U.S.)

Intermediate Scale Maps 1:100,000. 76 x 107 cm. Each sheet covers one-degree of longitude x 30-minutes of latitude. Maps in this series show township, range, and section lines; road; streams; towns; and some other cultural and physiographic features. BLM prints intermediate scale maps in two editions, the Surface Management edition and the Surface Minerals Management edition. The distinction is that Surface Management shows land status (Public Lands managed by BLM and other Federal lands, State lands, and private lands), Surface-Minerals Management has the extent of Federally-owned mineral rights overprinted on the Surface Management edition.

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New COLORADO sheets, from: July 1, 1982 Intermediate Scale Map Index:

Colorado Springs, 1981; Fort Collins, 1980; Pueblo, 1981.

IDAHO

* Bureau of Land Management (U.S.)

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New IDAHO sheets, from: July 1, 1982 Intermediate Scale Map Index:

Hamilton, (Idaho, Montana), 1980.

- * Forest Service (U.S.). Intermountain Region.
Challis National Forest, Idaho: east half. Ogden, 1982.
1:130,000. 113 x 105 cm. Compiled in 1965. Includes key
map and source diagram. GPO No. A13.28:C35/east.
JC \$1.00?: Forest Supervisor, Challis National Forest, Forest
Service Bldg., Challis, ID 83226. (phone 208/ 879-2285).
OCLC: 8734187.

- * Forest Service (U.S.). Intermountain Region.
Challis National Forest, Idaho: west half. Ogden, 1982.
1:126,720. 102 x 97 cm. Compiled in 1975. Includes key
JC map, topographic map index, and recreation site directory.
GPO No. A13.28:C35/west. (acquisitions data above).
OCLC:8745472.

- * Forest Service (U.S.). Intermountain Region.
Travel plan, Caribou National Forest and Curlew National
Grassland, Idaho. (Ogden), 1982. 1:170,000. 2 maps on
sheet 94 x 58 cm: 90 x 43 cm. & 73 x 43 cm. Includes text
JC and illus., shows where motor vehicles are restricted.
GPO No. A13.28:C19/5. Price ?: Forest Supervisor, Caribou
National Forest, Federal Building, Suite 294, Pocatello,
ID 83201 (telephone 208/ 236-6700). OCLC: 8678001.

- * Forest Service (U.S.). Intermountain Region.
White Cloud-Boulder Mts., Sawtooth National Recreation
Area, Sawtooth National Forest, Idaho. Ogden, 1982.
1:126,720. 57 x 42 cm. Compiled in 1974. Text, vicinity
JC map, and illus. on verso. GPO No. A13.28:W62. Price ?:
Forest Supervisor, Sawtooth National Forest, 1525 Addison
Ave., Twin Falls, Idaho 83226. OCLC: 8657212.

MONTANA

- * Bureau of Land Management (U.S.)
Intermediate Scale Maps 1:100,000. 76 x 107 cm. Each
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areas west of the Mississippi River from: Branch of Dis-

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New MONTANA sheets, from: July 1, 1982 Intermediate Scale Map Index:

Alzada, 1981; Baker, 1981; Birney, 1980; Broadus, 1980; Hardin, 1981; Lodge Grass, 1980; Miles City, 1980; Missoula West, 1981; Terry, 1980; Yaak River, 1980.

- * Cole, Gary A. , et al.
Energy resources of Montana. (Geologic Map 28). Butte, Montana Bureau of Mines & Geology, 1982. 1:500,000. Not free?
ML

- * Forest Service (U.S.). Northern Region.
Bitterroot National Forest, Montana & Idaho : Forest Visitor Map. Missoula, 1981. 1:126,720. 142 x 97 cm. on sheet 79 x 102 cm. Includes key map, source diagram, recreation site directory, and index to USGS topographic maps. GPO No. A13.28:B54/981. \$1.00? Forest Supervisor, Bitterroot National Forest, 316 North 3rd st., Hamilton, MT 59840. (telephone 406/ 363-3131). OCLC: 8623125
JC

- * Forest Service (U.S.). Northern Region.
Gallatin National Forest Travel Plan (Montana). (Missoula), 1982. 1:168,000. 2 maps, 82 x 100 cm. and 82 x 76 cm., on sheet 104 x 87 cm. Includes text. Shows where motors are allowed, restricted or prohibited. GPO No. A13.28:G13. Price ?: Forest Supervisor, Gallatin National Forest, Box 130, Bozeman, MT 59715. (telephone 406/ 587-5271, ext. 4233).
JC

NEVADA

- * Forest Service (U.S.). Intermountain Region.
Mt. Charleston Travel & Vehicle Guide, Las Vegas Ranger District, Toiyabe National Forest, Nevada. Ogden, 1981. 1:126,720. 21 x 18 cm. on sheet 46 x 41 cm. Includes text. Winter use guide and illus. on verso. GPO No. A13.28:T57/3. Price ?: Forest Supervisor, Toiyabe National Forest, 111 North Virginia St., Reno, NV 89501. OCLC: 7657585
JC

- * Forest Service (U.S.). Intermountain Region.
Off-road vehicle plan, Carson Ranger District, Toiyabe National Forest, (Nevada and California). (Ogden), 1981. 1:126,720. 124 x 31 cm. on sheet 68 x 74 cm. Includes text and illus. Shows where motor vehicles are restricted. GPO No. A13.28:T57/7. Price ?: Forest Supervisor, Toiyabe National Forest, 111 North Virginia St., Reno, NV
JC

89501. OCLC: 8444764

- * Forest Service (U.S.). Intermountain Region.
 Toiyabe National Forest, Carson and Bridgeport Ranger Districts, Nevada and California. Ogden, 1982. 1:202,752
 JC 2 maps on sheet 81 x 56 cm. Compiled in 1968, map content current as of April 1969. GPO No. A13.28:T57/8. Price \$1
 Forest Supervisor, Toiyabe National Forest, 111 North Virginia St., Reno, NV 89501. OCLC: 8471767
- * Forest Service (U.S.). Intermountain Region.
 Vehicle travel plan, Austin & Tonopah Ranger Districts, Toiyabe National Forest, (Nevada). Ogden, 1981.
 JC 1:126,720. 74 x 79 cm. Includes location map, text and illus. on verso. GPO No. A13.28:T57/2. Price?: Forest Supervisor, Toiyabe National Forest, 111 North Virginia St., Reno, NV 89501. OCLC: 7646521.
- * Forest Service (U.S.). Intermountain Region.
 Vehicle travel plan, Bridgeport Ranger District, Toiyabe National Forest, (Nevada and California). (Ogden), 1981.
 JC 1:126,720. 66 x 50 cm. Text and illus. on verso. Shows where motor vehicles are restricted. GPO No. A13.28:T57/4
 Price?: Forest Supervisor, Toiyabe National Forest, 111 North Virginia St., Reno, NV 89501. OCLC: 7639552.

NEW MEXICO

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New NEW MEXICO sheets, from: July 1, 1982 Intermediate Scale Map Index:

Mosquero, 1980.

OREGON

- * Bureau of Land Management (U.S.)
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New OREGON sheets, from: July 1, 1982 Intermediate Scale Map Index:

Bend, 1980; Condon, 1981; Corvallis, 1980; Eugene, 1980; Monument, 1980; Reedsport, 1980; Waldport, 1980; Yamhill River, 1980.

- * Forest Service (U.S.). Pacific Northwest Region.
Oregon Dunes National Recreation Area, Siuslaw National Forest, Oregon. Portland, OR., 1982. 1:63,360. 141 x 63 cm. on sheet 91 x 66 cm. Relief shown by 80 ft. contour interval and spot heights. Includes text, illus., key maps, and recreation site directory. GPO No. A13.28:Or3/2 \$1.00?: Forest Supervisor, Siuslaw National Forest, 545 S.W. 2nd, P.O. Box 1148, Corvallis, OR 97339. OCLC: 8549438.

JC

- * Forest Service (U.S.). Pacific Northwest Region.
Winema National Forest, Oregon: forest visitors map. Portland, OR., 1982. 1:126,720. 2 maps, 62 x 78 cm. and 62 x 77 cm. on sheet 66 x 101 cm. Compiled 1973, revised, 1980, recreation data updated 1981. Includes text, col. illus., recreation site directory, and index to USGS topo, graphic maps. GPO No. A13.28:W72. \$1.00?: Forest Supervisor, Winema National Forest, P.O. Box 1390, Klamath Falls, OR 97601. OCLC: 8678020.

JC

- * Oregon. Department of Geology and Mineral Industries.
Geothermal resources of Oregon. s.l., 1982. 1:500,000.

ML Another in the series of geothermal maps of the States.
Distributed on GPO Depository.

UTAH

* Bureau of Land Management (U.S.)
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New UTAH sheets, from: July 1, 1982 Intermediate
Scale Map Index:

Delta, 1981; Hite Crossing, 1980; Price, 1980; Wah Wah
Mountains North, 1980; Westwater, 1980.

* Forest Service (U.S.). Intermountain Region.
High Uintas Primitive Area, Ashley and Wasatch National
Forests, Utah. Ogden, 1980. 1:75,000. 1 map, both sides
of sheet, 102 x 115 cm. Relief shown by 200 ft. contour
interval and spot heights. Includes location map, index
to USGS topographic maps, trail head listing, text and
illus. GPO No. A13.28:Ui5/2. \$1.00?: Forest Supervisor,
Wasatch National Forest, 8226 Federal Bldg., 125 S. State
St., Salt Lake City, UT 84138. OCLC: 8423065.

* Forest Service (U.S.). Intermountain Region.
Wasatch-Cache National Forest Travel Plan, (Salt Lake
Ranger District, Utah). Ogden, 1982. 1:140,000. 2 maps
on one sheet: 88 x 40 & 33 x 21 cm. Includes text and
illus. Shows where motor vehicles are restricted. GPO No.
A13.28:W26. Price?: Forest Supervisor, Wasatch-Cache
National Forest, 125 South State, Salt Lake City, UT 84138
OCLC: 8516293

WASHINGTON

- * Bureau of Land Management (U.S.)
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New WASHINGTON sheets, from: July 1, 1982 Intermediate Scale Map Index:

Walla Walla, 1980.

- * Forest Service (U.S.). Pacific Northwest Region.
 Olympic National Forest and Olympic National Park, Washington. Portland, 1982. 1:126,720. 98 x 118 cm. on sheet 102 x 66 cm. Recreation data updated and base revisions made in 1981. Includes recreation site directory and index to USGS topographic maps, text, and illus. GPO No. A13.28:OR9/3. \$1.00?: Forest Supervisor, Olympic National Forest, P.O. Box 2288, Olympia, WA 98507. (phone 206/ 753-9534). OCLC: 8566792.

JC

- * Hooper, Peter R
 Geology of the Pullman, Moscow West, Colton and Uniontown 7.5-minute quadrangles, Washington and Oregon. Olympia, Washington State Division of Geology & Earth Resources, 1982. 1:62,500. 58 x 85 cm. Includes column, and references. Free: (Publisher), Olympia, WA 98504.

PS

- * Pacific Northwest River Basins Commission.
 Columbia's Gateway: narrative and map set. Vancouver, WA, 1981? A 31 x 22 cm. boxed set of 45 maps, 56 x 42 cm. Subtitle: "A history of the Columbia River Estuary to 1920." Thirty-nine reproductions of early map sheets, 1792 to 1915, plus six original maps. Free: Pacific Northwest River Basins Commission, 1 Columbia River, P.O. Box 908, Vancouver, WA 98666.

RW-S

- * Washington State Department of Natural Resources.

SH Washington's major public lands. Olympia, 1982. Scale: 1:1,000,000. 43 x 61 cm. \$2.00: Washington State Department of Natural Resources, Resource Inventory Section, QW-21, Olympia, WA 98504.

WYOMING

* Bureau of Land Management (U.S.)
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New WYOMING sheets, from: July 1, 1982 Intermediate Scale Map Index:

Kinney Rim, 1980; Lander, 1981; Medicine Bow, 1980; Red Desert Basin, 1980; The Ramshorn, 1981.

* Wyoming Geological Survey.
A false-color photomosaic map of Wyoming is currently available from the Geological Survey of Wyoming. The image is approximately 3' x 4' and is produced at a scale of 1:500,000, making it compatible with the U.S.G.S. state topographic map. To purchase the map contact: The Geological Survey of Wyoming, University Station, Box 3008, Laramie, WY 82071. The map costs \$9.00, which includes first class postage; or \$5.00 over the counter at the Survey.

JW

EDITOR'S POSTSCRIPT

Those of you who have keen eyes might see a misplaced letter here and there, and other minor errors - spacing problems, etc. This is my first issue completely produced by computer, and I'm still working the bugs out of this thing. Inputting the data is no problem, but learning the techniques of formatting is a real trick. The computer is like a large mass of baker's dough -- as you poke here, it moves there -- as you adjust there, it pokes here -- just where you don't want it, etc. I am making progress, and the next issue will be better. I would appreciate the report of any errors so that they may be corrected in the next issue.

One problem that I encountered as the printer spit this one out: it seems the electronic zapper failed to register the data that I input for the News Notes feature. Therefore, I have the pleasure of adding this information here. As Editor, I like to have readers know to whom they might turn for the source of the information in these columns, especially if one seeks more information beyond what appears herein. I certainly appreciate the contributions, I hope all of you readers do!

Contributors to News Notes, beginning on page 146:

LC = Larry Cruse, University of California, San Diego
DL = David Lundquist, University of California, Davis
EP = The Editor, from publishers' blurbs, items in hand, etc.
JP = J. B. Post, Free Library of Philadelphia

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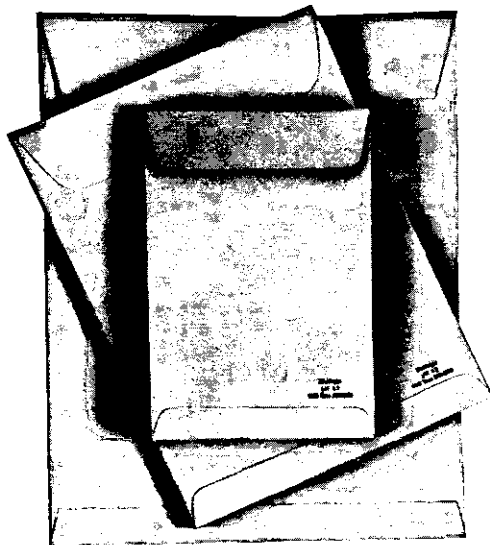
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