WESTERN ASSOCIATION OF MAP LIBRARIES

"... to encourage high standards in every phase of organization and administration of map libraries ..."
Western Association of Map Libraries

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The Information Bulletin is published 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 (to encourage high standards in every phase of the organization and administration of map libraries).

Membership Dues: Individual Members residing within the Principal Region may participate by serving as an Officer, vote, attend meetings, and receive the Information Bulletin. $5.00 per fiscal year (July thru June); mid-year joiners will receive back issues of the Information Bulletin for that year.

Principal Region

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British Columbia

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

Associate Members are those who reside outside the Principal Region, and may participate by attending meetings, serving in an advisory capacity on a committee, and receive the Information Bulletin. $5.00 per fiscal year.

Lifetime Individual Membership is open to individuals only for a onetime payment of $200. All Lifetime Members may participate with the same rights as Individual Members, but in addition to the Information Bulletin will receive a copy of each Occasional Paper.

Institutional Members are commercial firms or educational organizations. The Institution may designate one of its staff to be the official representative for attendance at meetings. The official representative has all the rights of Individual Membership, but may not hold office. The Institution will receive one copy of each issue of the Information Bulletin and each Occasional Paper issued during the year of membership. $25.00 per fiscal year.

Back issues of the Information Bulletin are available for $5.00 per volume, or portion thereof, from the Editor.

Subscriptions to the Information Bulletin are available at $5.00 per volume-year: three issues per volume-year: November, March, June.

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University Library
University of California
Santa Cruz, CA 95064 (phone 408/429-2364) (ATSS 529-2364)

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COPY DEADLINES: 1 - October 1st; 2 - February 1st; 3 - May 1st.
Tentative Program

FALL MEETING - WESTERN ASSOCIATION OF MAP LIBRARIES

The Commons - California State University, Fullerton
October 24 & 25, 1975
Opening 9 a.m. Friday, closing noon Saturday

Theme: HISTORICAL MAPS

"Welcome" - Mr. Ernest W. Toy, Jr., Library Director, California State University, Fullerton.

"Carto-Bibliography" - Prof. Coolie Verner, University of British Columbia.

"Preservation of Maps" - Mr. Richard Engeman, Photo and Map Librarian, Oregon Historical Society.

"The Royal Engineers' Mapping of British Columbia" - Ms. Francis Woodward, Map Librarian, University of British Columbia.

"Landmark Maps" - Prof. Norman J. W. Thower, University of California, Los Angeles.

"A Sheet Catalog" - Roy V. Boswell, Collection for the History of Cartography, California State University, Fullerton.

Exhibit of cartographic reference books.

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Friday, lunch will be available in The Commons, on the second floor, the same floor as the meeting room.

Friday, following the close of the afternoon session, there will be a no host cocktails and dinner at the La Paz Restaurant which is ten minutes from the University. This is a Mexican restaurant in an early California setting, famous for its margueritas.

The Collection for the History of Cartography, a special collection of the University Library, California State University, Fullerton, will have an exhibition, on the ground floor of the Library, sponsored by the Patrons of the Library, of maps of the American Revolutionary Era. The Library is adjacent to The Commons.

Disneyland and Knott's Berry Farm are a few minutes drive from the University.

EDITOR'S NOTE: Host and coordinator of the Fullerton meeting is Roy V. Boswell, P.O. Box 278, Gilroy, CA 95020.
Minutes

Western Association of Map Libraries/Association of Canadian Map Libraries
Meeting, May 8, 9 and 10, 1975
University of British Columbia, Vancouver

The meeting was called to order at 9:20 am on May 8 by Frances Woodward, ACML President and WAML member. Ms. Woodward welcomed the group on behalf of the UBC Library and School of Librarianship. She announced that most of the papers presented would be published either in the ACML Bulletin or in the WAML Information Bulletin.

The first speaker was Dr. Coolie Verner of the University of British Columbia. Dr. Verner delivered a paper on John Thornton, an important although somewhat neglected 17th Century English chart maker. Don Pearson, Research Officer of the British Columbia Surveys & Mapping Branch, spoke on the availability of mapping of B.C. by the federal and provincial governments.

The afternoon program included a talk by R.M. Sandilands of the Canadian Hydrographic Service. He spoke on the history of the Survey and the methods it employs to chart the waters off Canada. He showed examples and discussed the availability of the many items produced by the Survey. A paper entitled, "Crater Hunting, a Cartographic Game for any Number of Players," was presented by Lee Hubbard, Map Librarian, University of Washington. Mr. Hubbard discussed the evidence which indicates that some of the earth's physical features, such as circular basins, are in fact the result of impact craters. The first day's meeting was recessed at 5:00 pm.

The conference reconvened on May 9 with a paper by Dr. I.J. Evenden of the Dept. of Geography, Simon Fraser University. Dr. Evenden spoke on the teaching of urban studies in B.C. Betty Kidd, Head of the National Map Collection, Public Archives of Canada, discussed the history, current activities and future plans of Canada's largest map collection. Frances Woodward spoke briefly on the history, purpose and accomplishments of the Association of Canadian Map Libraries. Betty Kidd described a newly begun project which hopes to produce an historical atlas of Canada.

In the afternoon, Ms. Kidd gave a paper and slide presentation on the uses of maps in genealogical research. It was complimented by Ms. Woodward's reading of a paper, prepared by Wendy Tece of the Provincial Archives of British Columbia, on genealogical research in B.C. through the use of maps and other archival documents. The joint ACML/WAML meeting was concluded at 3 pm. It was followed by the WAML business meeting.

The business meeting was called to order at 3:35 pm by Vice President Mary Larsegaard. The minutes of the previous meeting were approved as printed in the March 1975 issue of the Information Bulletin. Stan Stevens presented a Treasurer's and an Editor's report. These will be published in final form for 1974/75 in the November issue of the Information Bulletin. The meeting approved the Editor's suggestion that charges for postage and packaging should be added to all orders for back issues. Action on raising the subscription rate or membership dues was deferred. An exchange of the Information Bulletin with the Australian Map Collectors Circle for its publication The Globe was approved. Phil Hoehn reported that the Sanborn union list, originally scheduled for publication in June, had become a larger undertaking than was anticipated, and that a December publication date was now planned. The report of the
Nominating Committee was presented by its Chair, David Schacht. Mary Hoeber and Mary Ansari were members of the Committee. The Committee's nominees were: Philip Hoehn for Vice President President Elect; David Lundquist and Dorothy Newshaw for Secretary; and Stan Stevens for Treasurer. Ms. Larsgaard, currently President Elect, will assume the Presidency. Ed Thatcher nominated Anna Chiong for Vice President, but Mr. Schacht reported that she had already been asked and had declined. Elizabeth Al-Hazzam had accepted nomination for Vice President, but later withdrew because she will be leaving for Saudi Arabia. Nominations were closed, and the Secretary was instructed to send out a mail ballot to all members in WAML's Principal Region.

Ms. Larsgaard reported on the schedule of future meetings.
- Fall 1975: October 24 & 25, California State University, Fullerton. Roy Boswell, coordinator. Topic: Historical maps.
- Fall 1976: University of Oregon, Eugene; Oregon State Univ., Corvallis.
- Spring 1977: Tentatively planned for San Jose, Calif.
- Fall 1977: To be held in WAML's Southern Region (Ariz. or So. Calif.).
- Spring 1978: University of Washington, Seattle.

A discussion urged that WAML members begin to work on or think about future projects suitable for publication as Occasional Papers. Among the suggestions made were a union list of unique or unusual locally held maps. Herb Fox agreed to outline the parameters of the project and present them to the Fall meeting. Other suggestions included a list of equipment for map libraries; a union list of topographic series; a union list of USGS quads; a union list of non-Sanborn insurance maps (WAML has some data already collected); a union list of gazetteers; a union list of county histories. Stan Stevens asked that members volunteer to become reporters for the section of the Information Bulletin, "New Mapping of Western North America." Don Haacke (for Idaho), Mary Blakely (for Arizona) and Anna Chiong (for Washington) have agreed to be reporters. Members from other states and provinces are encouraged to volunteer their services. It was decided to include a list of current WAML members and their addresses as an insert in a future issue of the Information Bulletin. Janet Rudd, UC Berkeley, was appointed to succeed Sheila Dowd as WAML's Archivist. Frances Woodward was officially thanked for the work she did in arranging the conference. The meeting was adjourned at 4:45 pm.

May 10th activities included a WAML/ACML tour of the Archives of the City of Vancouver, conducted by R. Lynn Ogden, City Archivist, and a tour of the Simon Fraser University Library given by Robert Malinski and Brian Phillips.

Respectfully submitted,
Philip Hoehn, Secretary

Attendance List

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<thead>
<tr>
<th>NAME</th>
<th>AFFILIATION</th>
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<tr>
<td>Dennis Baird</td>
<td>University of Idaho</td>
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<td>Larry Bartis</td>
<td>Arizona State University</td>
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<tr>
<td>R. Batchelder</td>
<td>University of Calgary</td>
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<td>Roy V. Boswell</td>
<td>California State University, Fullerton</td>
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<tr>
<td>Geraldine Callahan</td>
<td>Oregon State University, Corvallis</td>
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<td>Anna Chiong</td>
<td>University of Washington</td>
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[Continued on p.16]
"Bench Marks!"

JAMES O. MINTON, WAML Associate Member, formerly Map Librarian, University of Kentucky, appointed Map Librarian, University of Michigan, Ann Arbor.

ELIZABETH AL-HAZZAM, WAML Member, Map Librarian, Hayden Library, Arizona State University, Tempe, is moving to Saudi Arabia to assume a post at the College of Petroleum & Mining, Dhahran; Larry Bartis will become head of the ASU Map Service. We wish Elizabeth - farewell and good luck!

JANET RUDD, Map Librarian, University of California, Berkeley, appointed WAML Archivist. [The WAML Archives is located in the Map Room, General Library, UC Berkeley.]

JANET RUDD, and STANLEY STEVENS, will each present a one-hour workshop on maps stressing collection development to participants in the Special Topics Discussion Groups at the American Libraries Association annual meeting, San Francisco, July 1, 1975.

IRENE KUPFER, WAML Member, Supervisor, Irvine Map Library, Armacost Library, University of Redlands, Redlands, California, "has become a casualty of necessary budget cutting" and is no longer at Redlands. Alice Beaver, Public Services Librarian in Special Collections (which includes the Irvine Map Library) is now in charge of the map collection.

BARBARA CHAPPELL, WAML Associate Member, formerly Geology Librarian, University of Texas at Austin, has been appointed Reference Librarian, U.S. Geological Survey Library, Reston, Virginia.

LORNE B. LEAFLOOR, Head, Departmental Map Library, Department of Energy, Mines & Resources, Ottawa, Canada, is a new Associate Member of WAML. [Please note a new address for the Map Library: 580 Booth Street, Ottawa K1A 0E4.]

CINDI EVERITT, new Associate Member, WAML, is in charge of the Map Section, Library, University of Texas at El Paso, TX 79968. She sends the following description of her collection: "The Map Section was created in May, 1973, for the purpose of centralizing all maps in the Library System. Presently some 30,000+ sheets of maps have been cataloged and organized. It is estimated that the entire collection will approach 60,000+ sheets. A card catalog is available in the Maps Room to help locate specific maps. The collection includes: topographical maps of the U.S.; world, geologic, meteorological, demographic, aerial, oceanographic, and historic maps & facsimilies. Our big emphasis at present is to acquire Mexican maps from various government agencies and subscribe to the "CETENAL" mapping project. Location: West end of the Library, top stack level of the old Library building. Enter from Second Floor through Microforms Section."

LYNN S. MULLINS was presented the 1975 Honors Award for outstanding achievement in Geography and Map Librarianship by the Geography and Map Division of Special Libraries Association at its 66th Annual Conference in Chicago. A distinguished librarian, bibliographer and editor, Ms. Mullins is the Librarian of the American Geographical Society. During the past 5-years she has served as Editor of the SLA Geography and Map Division Bulletin. [Word has just reached us that Ms. Mullins has resigned her Editorship. WAML offers its congratulations on her Honors Award, and best of luck in her "retirement" from the Bulletin.]
THE MAPS OF THE AMERICAN AUTOMOBILE ASSOCIATION

Harold M. Otness
Southern Oregon College Library

Introduction

The value of the common roadmap as an information source and as a teaching aid has long been recognized by librarians, geographers, and school teachers, and the professional literature of these fields is sprinkled with reminders and advice concerning the use of them (Allison, Harper, McCoy, Vuicich, etc.). Because these maps lack what librarians like to call "bibliographic control," and perhaps because of their commonality, these articles seem to fill a need.

While most roadmaps have been free and abundant in the past, their availability today is becoming greatly restricted. Most of the major oil companies have cut back or eliminated completely their distribution of free maps, and it is not unusual now to be charged twenty-five cents per map--when you can find them. With scarcity and expense comes value, and the lowly roadmap's days as a throw-away item may be coming to an end.

Oil companies have been the major distributors of roadmaps, having given away an estimated 220,000,000 copies annually as recently as 1968 (White, 7). An excellent article has been written concerning the history and development of oil company maps (Ristow). But other organizations have also distributed roadmaps and there has been little in the literature concerning them. This paper is an attempt to shed some light on the maps of the nation's largest travel organization - the American Automobile Association.

Background of the American Automobile Association

The A.A.A. is an affiliation of 235 automobile clubs in the United States, each of which carries a distinctive name and is governed locally (see appendix for list of clubs in the W.A.M.L. primary area). The national organization was formed in 1902 by several clubs, mostly in the northeastern states, with the objectives of encouraging legislation favorable for the motorist, the construction and improvement of public

This is an enlarged and updated version of a paper presented at the Fall, 1974 meeting of the Western Association of Map Librarians in San Francisco.
highways, and to provide counsel and cooperation between the various local motoring organizations. Its impact on the highway building programs, both national and state, and its later efforts to promote motoring safety, were widely acknowledged and its growth in membership was dramatic (see Partridge for a more complete account of the early days of the A.A.A.). Today the organization provides a large number of services for its more than 15,000,000 members, ranging from insurance, to emergency road service, to the dissemination of travel information.

The Maps

The cornerstone of the travel information is the popular roadmap. The first roadmap published in America is thought to have appeared in the Chicago Times Herald in 1895. It depicted the route of an automobile race (Ristow, Am..., 397). Soon after the roadmap began showing up as a supplement in guidebooks and by 1902 it appeared as a separately published item (Ristow, 620). The earliest A.A.A. roadmap may have been one of Staten Island which appeared in 1905. The following year there was a map of north and central New Jersey (Ristow, 620). By 1909 the A.A.A. was known to have published at least twenty roadmaps (Ristow, 622).

As motoring became more popular and the organization grew, its output of roadmaps increased. One source has stated that it was largely due to the A.A.A.'s free map program that the oil companies began giving away maps (Lehman, 92). By 1952 the A.A.A. was distributing in the neighborhood of 40,000,000 maps yearly (Kirkland, 124). Current distribution has been estimated to be around 180,000,000 copies yearly (Soule and Norbut).

Where They Come From

The A.A.A. maps are from a variety of sources and take on many different forms. Most of the state and interstate maps are compiled and published by the parent organization in the Cartographic Division of the national office in Rockville, Maryland. These are more or less standard in format.

A few of the larger local clubs, most notably the two California clubs, maintain their own cartographic staffs which produce some outstanding maps of their own regions. The California State Automobile Association, for example, has an annual budget of $225,000 and a staff of nine. They issue almost a hundred different maps, most of which are revised annually, and distribute 2,600,000 copies of them each year. They make maps of cities and towns, counties, and recreation areas in Northern California, and cooperate with their southern counterpart, the 1,250,000 member Automobile Club of Southern California, in jointly issuing some of their maps. The C.S.A.A. cartographers draft their maps on Scribacoat and have their printing done commercially. Most of their maps are printed in four colors and they rate highly for readability (Solloway).
The Automobile Club of Washington has also made some of its own maps. In the early 1900's it produced single color hand-lettered maps of such recreation areas as Mt. Rainier and the Olympic Peninsula. These efforts were expanded over the years. In the early 1950's their mapping activities were contracted to Northwest Mapping Service. In 1970 a cartographer was hired and now the Seattle office produces a number of attractive special maps. A series of "travel-recreation maps" is being developed. Other map series include the "explore and enjoy driving maps" and the "mini tour maps." Scibing technique is used and a computer helps keep track of placenames and other information that goes into the maps (Campbell).

Another local club that makes some of its own maps is the Automobile Club of Michigan. Many of the local clubs contract with private mapping organizations to provide them with maps of their own area. These maps usually bear the imprint of both the maker and the A.A.A. club. The Automobile Club of Oregon, for example, distributes a map of Portland which it gets from the national organization (which in turn gets it from Gousha) and also another map of the city which is acquired under contract from Oregon Blueprint Company. Their map of Eugene, Oregon, is currently acquired from the Eugene Chamber of Commerce, which has it made for them by a local mapping firm. The Medford office of the A.C. of O. contracts with another local mapmaker for maps of Medford and Ashland. Thus the A.A.A. maps may be from any number of different sources. The policy is to acquire or compile the best possible map of the area for the club members. Many of the local maps carry advertising which helps to pay for the cost of compiling and printing them.

How They Are Distributed

As an affiliation of more-or-less independent clubs, each local organization has the responsibility of supplying the others with maps of its area, while the national organization supplies the state, interstate, and many of the city maps to all the clubs. Thus all of the A.A.A. maps are available, theoretically, from any of the clubs, regardless of their source of origin. The Seattle office has, or can get for its members, maps of Boston, for example. The coordination of this rather complex exchange system is handled by the national office. Each club periodically orders, either from the national office or the appropriate affiliated club, the maps it expects to need. The maps are given at no charge to members of any A.A.A. club, but each club must pay for the maps it gets and the price is based upon the actual cost of production or acquisition. Those maps published in volume have a lower unit cost; those printed in color cost more, etc. The costs of single maps to the clubs may range from five cents to well over a dollar. The entire map distribution system, as with other operations of the A.A.A., is based upon mutual trust and cooperation between the local clubs and the national organization. That it works well is obvious from the satisfaction of its members: the maps are one of the most popular services the organization provides.
Type of Maps

There are essentially four kinds of maps issued under A.A.A. auspices: the general state and interstate maps, the city plans, strip or "Triptik" maps, and various special maps of recreation areas, counties, and other intrastate areas. In addition, other A.A.A. material, most notably the popular tour books, include maps which are simplified to facilitate specific uses.

1. The general highway maps cover the entire U.S., regions within it, and individual states. The state maps usually have two or more states per sheet, with both sides of the paper being used. These maps concentrate on showing highways and thus ignore some topographic detail found on the better oil company maps. For example, if relief is shown, it is depicted by very generalized shading which does not indicate gradation or a high level of detail. However, the national parks and forests, Indian reservations, and military lands are colored in, county and city boundaries are indicated, and major lakes and rivers are depicted. There are insets at smaller scales showing metropolitan areas and location indexes to communities which provide map coordinates, but no population figures (which appear in the companion tour books).

The strength of these maps is in their highway information. Roads are classed according to quality, mileage is given between all points, locations of A.A.A. offices are shown, toll facilities and charges are provided in the legend, and communities with approved accommodations have their names printed in red. In addition, there are insets showing distances between major points along with average driving times.

These are attractive maps, relatively uncluttered and easy to read. They are compiled by the Cartographic Division of the national office in Rockville, Maryland, and printed by Fawcett Printing Corporation of the same city.

2. Most of the streetmaps of the large cities are the work of H. W. Gousha Company of San Jose and are very similar to those distributed by the oil companies. They index all streets, have insets of downtown districts and the greater metropolitan areas, and some have separate indexes to "major attractions" or important buildings such as government offices, hospitals, and hotels. In addition, the two California clubs compile their own maps of urban areas and other clubs distribute city maps from a wide variety of sources. There are special freeway maps which show tourist attractions and main routes leading to them. The A.A.A. has map coverage in one form or another for most communities in the U.S. of 25,000 or more population, and some coverage of smaller communities as well.
3. The Triptik maps are strip maps which are oriented to major highway routes. Each sheet is approximately 3" x 6" and covers anywhere from 100 to 300 miles, depending upon the amount of detail that needs to be shown for the area. These sheets open up to reveal additional information such as simplified city plans, maps of recreational areas, and descriptive text. The maps themselves indicate mileage between points, approved facilities such as motels and restaurants, and directional information.

Triptik maps are gathered together to form itineraries for individual members. They are held together by plastic spiral bindings. Pages for records of expenses are added. The projected route is traced on each map using a felt-tip pen.

The small size and handy format make the Triptik maps popular with travelers, but their personalized compilation and concentration on highway information limit their usefulness for other purposes. They are very helpful in planning a trip and carrying it out, and they make nice souvenirs when the journey is over. But one is not likely to find them in map libraries.

4. The special use maps come in all sizes and shapes and some of them are very interesting to the cartographer. Most are produced by the larger local clubs which have cartographic departments. The two California clubs compile some of the most noteworthy maps of the West. The Automobile Club of Southern California, for example, publishes county maps in booklet form which are veritable atlases. The edition for Orange County has almost seventy pages, including complete indexes to the streets and highways, strip diagrams of freeways which show every interchange, and other information helpful to the motorist. Their "Desert Area" map covers Death Valley to Lake Mead and is designed for recreation use. It shows backroads, campsites, scenic attractions, against a background of very effective shaded relief.

The California State Automobile Association publishes sectional maps for Northern California which are excellent for shunpiking.

**Updating the Maps**

The A.A.A. takes pride in the accuracy of the motoring information on its maps and particularly on its program of updating and revising. Most maps are revised yearly, some more often, and they are dated so the user will know how current they are. Field checking is done by local staffs and data is continually received from various sources concerning the state of the roads. The Portland office, for example, receives the monthly reports of the Oregon State Highway Department indicating new roads, construction sites, detours, and other matters of concern to the motorist. If of a permanent nature, this information will be incorporated into the next edition of the map; if temporary, it is mentioned as verbal travel advice when handing out the maps.
A Note on Foreign Maps

In addition to providing maps of the United States, the A.A.A. also compiles and distributes some maps of foreign countries. It has good map coverage of Canada and Mexico in particular. Some of its Canadian city maps are made by Gousha, just as they are for the U.S. The Automobile Club of Southern California produces some excellent maps of Baja California for its members.

The A.A.A. is itself an affiliate of an international organization of motor clubs and as such there is some exchange of travel information between the many national organizations of the world. However, the exchange of maps is still on a limited basis and there appears to be a trend towards charging the members for these maps.

Summary

The American Automobile Association and its many local affiliates are major compilers and distributors of road maps. Perhaps no other nongovernmental organization in the country produces so many different maps, or sends out so many copies of them. While designed primarily for the needs of motorists, most of them have other uses as well, which is true of all good maps.

Because so many of their maps find their way into map libraries, a word of warning is in order. These maps are made for the members of the various clubs, who pay yearly dues for the privilege of owning and using them. Unlike many government-made maps, they are not public property. They are protected by copyright legislation. Permission must be received for reproducing them in quantity for any purpose.

Membership in the A.A.A. is open to anyone willing to pay the fee, which ranges from $20.00 to $30.00 per year, depending upon the local club. This provides full access to the maps, a service which the map lover may find well worth the cost.

BIBLIOGRAPHY


[Bibliography, continued]


Solloway, Irwin. (Manager, Cartographic Department, California State Automobile Association). Remarks made in interview at the San Francisco Office, October 25, 1974.

Soule, James F. (Manager of the Motor Touring Department of the Automobile Club of Oregon) and Charles A. Norbut (Manager of Travel Services of the Automobile Club of Oregon). Remarks made in interviews at the Portland Office, June 15, 1974.


APPENDIX

HEAD OFFICES OF THE AFFILIATES OF THE

AMERICAN AUTOMOBILE ASSOCIATION IN THE W.A.M.L. REGION

ARIZONA
Arizona Automobile Association
748 E. McDowell Road
Phoenix 85006
602 252-7751

CALIFORNIA
Automobile Club of Southern California
2601 S. Figueroa Street
Los Angeles 90051
213 746-3111

California State Automobile Association
150 Van Ness Avenue
San Francisco 94101
415 565-2012

COLORADO
Rocky Mountain Motorists
4100 E. Arkansas Avenue
Denver 80222
303 756-8811

HAWAII
Automobile Club of Hawaii
150 Kalulani Avenue
Outrigger East Hotel Lobby
Honolulu 96815
808 923-7345

IDAHO
Idaho State Automobile Association
414 Main Street
Boise 83702
208 342-9391

MONTANA
Montana Automobile Association
607 N. Lamborn Street
Helena 59601
406 442-5920

NEVADA
See California State Automobile Association

NEW MEXICO
New Mexico Division, A.A.A.
2201 San Pedro Blvd., N. E.
Building 111
Albuquerque 87110
505 265-7611
OREGON
Automobile Club of Oregon
600 S. W. Market Street
Portland 97201
503 227-7777

UTAH
Automobile Club of Utah
560 E. 5th Street, S.
Salt Lake City 84102
801 364-5615

WASHINGTON
Automobile Club of Washington
330 6th Ave. N.
Seattle 98109
206 682-0707

Inland Automobile Association
W. 1717 4th Avenue
Spokane 99204
509 455-3400

CANADA

ALBERTA
Alberta Motor Association
109th Street and Kingsway Ave.
Edmonton
403 474-0461

BRITISH
COLUMBIA
British Columbia Automobile Ass'n.
999 W. Broadway
Vancouver 9
604 732-3911

DATE-CODING OF AUTOMOBILE CLUB MAPS

Some years ago (about the early 1930's & 1940's) the automobile clubs found that their patrons were discarding maps that were still current because the date on them showed that they had not been remade for several years. To save the expense of unnecessary replacements, they devised a coding system which was simple, yet effective:

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11 83 11
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day month reverse for year

Bernice Kimball
Historical Map Section
Street Opening & Widening Division
City of Los Angeles
Stanford University is disposing of the following maps, first come-first served:

Approximately 1800 World Aeronautical Charts (1:1,000,000) of the 1st & 2nd Series, dating from the mid-1940's in some cases, through the 1960's in others. The coverage is world wide, with many editions of some sheets.

Approximately 175 U.S. Coast and Geodetic Survey charts of Alaskan waters, Atlantic and Gulf coasts and some California and other west coast areas. Most of these are from the late 1960's. Stanford University's Map Collection is keeping only charts of the San Francisco Bay area.

A set of British Columbia Forest Service, Forest Surveys and Inventory Division index maps to the interim forest cover series and forest inventory reference system, Victoria, B.C., 1958- . B.C. Dept. of Lands and Forests.

Each of the 149 sheets is folded into an envelope.

Contact: Karyl Tonge, Map Librarian, Central Map Collection, General Reference Department, Stanford University Libraries, Stanford, CA 94305.

Free Library of Philadelphia is disposing of all older quads other than the most recent edition for all states other than Pennsylvania, Maryland, West Virginia, New Jersey, Delaware, and the border quads for Ohio and New York. Available on a first-come/first-served basis to any library willing to take a whole state and pay the postage. Replies only to those who are lucky, so if you hear nothing, please just assume the other library's request reached Philadelphia sooner.

In addition to the USGS quads, the following duplicate folios of the USGS Geologic Atlas of the United States are available on an individual basis; i.e., select only those you need:

Geologic Folios # 1 thru # 227 [in some case, several copies of each]
Topographic Folios # 1, # 2, # 3.

Contact: Jeremiah Post, Map Librarian, Free Library of Philadelphia, Logan Square, Philadelphia, PA 19103.

Bancroft Library, University of California, Berkeley has about 100 copies of exhibition catalogs available for the asking:

1. Cartographie Door De Eeuwen. Uitgegeven ter Gelegenheid van de Cartographische Tentoonstelling in de Bijenkorf te den Haag van 23 T/M 30 Juni 1937. 16 pp. 15 cm. illus.

2. Cartographie Door De Eeuwen. Door Alfred H. De Vries. Uitgegeven ter Gelegenheid van de Cartographische Tentoonstelling (uit de Collectie A. H. De Vries) in de Bijenkorf te Amsterdam van 23 April T/M 4 Mei 1938. 16 pp. 15 cm. illus.

Contact: Phil Hoehn, Map Librarian, The Bancroft Library, University of California, Berkeley, CA 94720

[Continued from p. 5 ]

[Attendance List, Vancouver Meeting]

Mary Lou Derwing
Ann Dodd
Jeannette Fish
Herb Fox
Georgina J. Getty
Gwen Gregor

University of Alberta
Vancouver Public Library
Vancouver Public Library
California State University, Fresno
Vancouver, B.C.
University of British Columbia

WAML-ACML
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-
WAML
B.C.G.S.

[Continued on p. 21 ]
MAP CURATOR POSITION AVAILABLE. Department of Geography, University of British Columbia, Vancouver.

The Geography Department has a Junior Technician position available on July 1, 1975 for a person to be in charge of the departmental map library and air photo collection. Salary is about $950 per month, depending on qualifications. This is a union position, with annual increments. Preference will be given to persons with previous experience in a geography department, or other map library; and/or with previous experience with filing air photos. Some drafting skill will be helpful, and elementary typing to prepare index cards. Suitable personality to deal with students and faculty, and knowledge of B.C. or Canada to answer questions related to map information. Ability to mount and repair maps desirable.

Please send inquiries and applications stating experience and background to: Dr. J. Lewis Robinson, Department of Geography, University of British Columbia, Vancouver, B.C., V6T 1W5.

CAPTAIN JAMES COOK AND HIS TIMES

The Department of History, Simon Fraser University, Burnaby, British Columbia, Canada, V5A 1S6, will present an international and interdisciplinary Symposium in mid-April 1978 on the occasion of The Bicentenary of Captain James Cook's Landing at Nootka Sound, March-April, 1778, during his Third Voyage of Exploration and Discovery (1776-1780).

This symposium is designed to offer a forum for the presentation of papers, panels, and discussions of new research and reappraisals by scholars in many fields. The symposium will focus on the impact on British Columbia, the North West coast of North America and the North Pacific littoral of Cook's third voyage, as well as the impact on Oceania, North America and the European world of Cook's life of exploration and discovery.

Please direct any inquiries, suggestions, or comments to: Chairman (Captain Cook Symposium), [to the departmental address given above]; [announcement courtesy of Professor P. Auty, Chairwoman, Department of History].

PRACTICAL COURSE IN MAP CURATORSHIP, EDINBURGH 1976

The National Library of Scotland, Edinburgh University Library and the British Cartographic Society are jointly organising a practical course in map curatorship to be held at the Map Room of the National Library of Scotland, 31 March - 4 April 1976. The course, for twenty participants, is intended for individuals who look after map collections of all types and will deal with practical problems by demonstrations and group projects. It will embrace some of the problems encountered in setting up a map collection. Acquisition, the identification and evaluation of cartographic materials, the use of cartobibliographies, and the conservation of maps will be among the subjects covered.

Accommodation will be arranged in the University of Edinburgh Pollock Halls of Residence. The course fee and accommodation charges will be announced later. Enquiries should be sent to Miss J. M. Wilkes, Map Room, National Library of Scotland Anneexe, 137 Causewayside, Edinburgh EH9 1PH. [Announcement courtesy of Merle Abbott, Convenor, British Map Curators' Group.]
THE MANAGEMENT OF MAP COLLECTIONS

A course intended for map curators and librarians responsible for map collections was held June 17-19, 1975 at Aslib Headquarters, London. Jointly sponsored by Aslib and the Map Curators' Group, British Cartographic Society, the program included the following:

"What I do and what my management problems are" - participants described their organisations and their management problems, which developed into a discussion among the panelists: Helen Wallis, British Library, Map Library; Peter Clark, Mapping and Charting Establishment, R.E.; Elspeth Buxton, Librarian and Map Curator, School of Geography, Oxford; and Merle Abbott, Department of Geography, Birkbeck College, London.

"Organizational problems: the jobs there are to do; work flow; relating staff to jobs", by Peter Clark.


"Physical planning of map libraries", held at the Map Library, Department of the Environment, Prince Consort House:

"Moving a map library: the organisation of the move and the problems encountered", by Tony Grove, Map Librarian, and Christine Stringer.

... at the Guildhall Library, Aldermastonbury: "General problems of moving the library", by Godfrey Thompson, Librarian; "Problems of moving maps and prints", by J. L. Novgago, Keeper of Prints; and, "Conducted tour of the department", by Ralph Hyde, Assistant Keeper of Prints.

"Staff Management", by Helen Wallis, and Elspeth Buxton.

"Education and training of map librarians", by G.W. Burston, School of Librarianship, Ealing Technical College, and Grian Candy, Mapping and Charting Establishment, R.E.


"International developments in map librarianship", by Helen Wallis

"General discussion on the course", with lecturers and organizers present.

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ASIAN HIGHWAY ROUTE MAP

A practical guide to motorists/Asian highway route map, is the title of an October 1973 map sent to Larry Cruse, UC San Diego, by the Tourist Organization of Thailand, 510 West Sixth Street, Suite 1212, Los Angeles, CA 90014 ph.: (213) 627-0386. The map is subtitled: Singapore-Vientiane Route A-2/R-12 via Bangkok & Kuala Lumpur. The main map @ 1:1,250,000 and has text and photos on verso, advice to motorists, and distance chart. There are detailed city maps of Kuala Lumpur, Singapore, Vientiane, and Bangkok @ 1:32,500, 1:26,500, 1:25,000, 1:28,500, respectively. The text cites Exit and Entry Procedures, Climate, Hotels and Youth Hostels, YMCA & W Hotels, Outline of the Asian Highway Project, and general tourist information. The map is of classic "Harold Gones" interest; i.e., two maps 39 x 107 cm., folded accordion style to a single map 21 x 14 cm. back to back mounting, with a built-in index and gend on facing panel when opened. Published by the Bridgestone Tire Co; Ltd; it is distributed by the U.N. Economic Commission for Asia and the Far East.
DEACIDIFICATION, LAMINATION AND THE USE OF POLYESTER FILM ENCAPSULATION AT THE LIBRARY OF CONGRESS

by

Peter Waters
Restoration Officer
Preservation Office
Library of Congress

February 1975

At the Library of Congress the lamination of manuscripts having archival value, i.e., documents which should be preserved indefinitely, as distinguished from those which need be preserved for 50-75 years or less, has been almost entirely abandoned in favor of techniques which are much less damaging to the originals and which leave them completely accessible for future treatments if needed. In other words, we have adopted a much more cautious attitude toward any process which might render future treatment either impossible or economically unfeasible.

When the Barrow process [Barrow, William J./Deacidification and Lamination of Deteriorated Documents, 1938-1963. American Archivist 28: p.285-290 (Apr 1965)] is correctly used and precisely monitored the life expectancy of laminated documents may be archival, although we do have some reservations about this. As you know, there is ample evidence that lamination without deacidification and alkaline buffering is nearly worthless as an archival preservation technique. We consider it absolutely essential, therefore, that all materials be laminated, deacidified, and buffered with an alkaline salt leaving approximately 3% reserve in the paper. However, most presently used aqueous treatments for deacidification and buffering cannot be depended upon to leave this degree of alkaline reserve in all papers, papers which may differ widely in kind and condition and thus in their receptivity to the treatment. For example, the rather commonly used Barrow "one-shot" method, using two grams of dissolved magnesium carbonate per liter, does not leave an adequate alkaline reserve in treated paper. Hopefully, future investigations will make it easier to predict the percentage of alkaline reserve left in the sheet by a given treatment. This is an area in which L.C. scientists are presently conducting research.

For documents of limited value, which can be categorized as requiring less than archival preservation, we see no reason why cellulose acetate lamination should not be used, and we continue to use lamination for such materials. However, since L.C. places most documents in the "archival preservation" category, in practice we now laminate very little except a few maps. On the other hand, for documents requiring archival preservation, i.e., those documents which should be expected to last at least 500 years, we believe there is sufficient evidence of the inadequacy of lamination to eliminate it as an acceptable technique in such cases.

We prefer to use, instead, techniques like polyester film encapsulation which cannot physically damage documents in any way. Polyester film is by far the strongest physical support medium we have found. Moreover, it is instantly reversible, whereas the lamination process can be reversed (i.e., the film and
tissue can be removed) only with great difficulty and sometimes not at all. Thus, with polyester film encasement the option for additional treatment is left open.

We believe also that many documents undergo significant deterioration as a result of the 340°-360°F heat of the laminator, even though they may be subjected to such heat and pressure for the relatively short period of 20 seconds - 40 seconds. It is an observable fact that many documents darken or yellow significantly in the process. Further, there is evidence in our own collections that many materials laminated from 15-20 years ago are now turning brittle within the lamination. It is impossible to discover all the reasons for this because we cannot perform destructive analytical tests on the actual artifacts. However, the evidence is enough for us to adopt a much more cautious approach to lamination. We are certain, however, that one reason for the deterioration of the laminated documents is the unpredictability of aqueous deacidification and buffering treatments. Another reason may be that the cellulose acetate used did not conform to the suggested specifications set forth by Wilson and Forshee in N.B.S. monograph no. 5, 1959. [William K. Wilson and B. W. Forshee, Preservation of Documents by Lamination, U.S. National Bureau of Standards, Monograph no. 5, 1959.]

W. J. Barrow, the pioneer of the whole process, left adequate guidelines for the testing and control of his deacidification solutions. We know, however, that some of his most specific recommendations are not being carried out in a consistent manner by restoration workshops in this country. As an example, titration of deacidification solutions is a very important and fundamental method for checking such solutions both before and during the treatment process. This is, in fact, almost the only practical way to monitor the percentage of saturation which, in turn, indicates the degree of buffering capacity. When I first came to L.C. several years ago, I found no knowledge of this method of checking the effectiveness of deacidification solutions and, in fact, no real control of such solutions. Even today, few workshops know anything about the proper control of deacidification solutions.

Although our own Restoration Office now has far more precise methods for controlling aqueous deacidification and buffering procedures, these controls are not yet foolproof, simply because the documents themselves are so variable. As noted above, techniques are needed which predict, with a reasonable degree of accuracy, the full effect of a given treatment. There is, for example, no easy and convenient way, at the moment, of measuring the alkaline reserve in a treated artifact. Unfortunately, and this is not generally recognized, there is no correlation between pH and alkaline reserve. Only by soaking test papers having a similar composition and water receptivity to the documents being treated can one test for alkaline reserve by destructive titration, and only on that basis can one assume that the documents will be similarly treated.

As for polyester encasement, the film and the acrylic double-coated tape used to seal the edges of the envelope have been successfully aged in our laboratory for 60 days—the equivalent of about 500 years natural aging, with little to no deterioration. Further, we have aged a variety of papers, both those which have been deacidified and buffered and those without treatment, for similar periods of time. In the case of newsprint, folding endurance of the encapsulation was in excess of 6500 folds. On this basis alone, the strength of a laminated document is simply not in the same class with polyester film encasement. Polyester film encasement provides additional protection to the treated document in that no matter how brittle the paper it is nearly impossible to fracture the document after it has been encased in polyester film, if
a four-edge seal is used.

A comprehensive research program into all aspects of cellulose acetate and other types of lamination is needed before any final pronouncements can be made. We know, however, that there are enough unexplained problems with lamination to suggest that it should be used cautiously and only under precisely controlled conditions. On the other hand, there are almost no problems with polyester film encapsulation. Of course, most techniques can be faulted in some way. Polyester film is heavier than lamination; it also has a high gloss. The question is one of judgment between several factors.

We do not presume to advise others to change their techniques because we have broadened the scope of techniques for the treatment of our own collections. This Library is very fortunate in having several techniques for preserving artifacts, from microfilming, to "phased preservation", to "partial stabilization treatments", to the very careful and time consuming work of preserving single artifacts of great rarity. Other institutions will have fewer options.

We do suggest, however, that those interested in the archival preservation of their collections should: 1) evaluate their present procedures in terms of their potential for damage to the documents being treated, and 2) seriously consider some of the newer procedures available. No single treatment is a panacea for every preservation problem. Obviously, however, the best treatment is that which does as little harm to the document as possible.

We are now preparing for publication a pamphlet on the technique of polyester film encapsulation and will be glad to send this to you when it is available. This pamphlet suggests that polyester film encapsulation is a new and valuable preservation tool which may service better than lamination in many instances. Which process should be used on a given document, however, is a decision for the librarian or archivist, and is dependent upon the nature of the materials, their preservation category, and other factors, many of which differ from situation to situation.

EDITOR's NOTE: We are indebted to Richard W. Stephenson, Head, Reference and Bibliography Section, Library of Congress, from whom I requested a description of this new method, for securing this important contribution from Mr. Waters.

The polyester film cited herein is Mylar, manufactured by Dupont. One vendor of this material is Transilwrap Corp., 2741 No. 4th St., Philadelphia, PA 19133. The "acrylic double-coated tape" is transparent polyester film, No. 415, 1/4\"w x 36 yards long, manufactured by the 3M Corp., St. Paul, MN 55101.

When an answer is received from these manufacturers, quantities and prices will be published in the Information Bulletin, WAML.

[Continued from p.16 ]

Don Haacke
Marjorie R. Henry
Phil Hoehn
Eugene Hoehrauf
Lee Hubbard
Carolyn Hughes
LaVonne Jacobsen

Boise State University
Seattle Public Library
Bancroft Library, Univ. Calif. Berkeley
Bellingham, WA.
University of Washington
E.L.U.C. Secretariat, Victoria
San Francisco State University

[Attendance List, Vancouver]

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[Continued on p.29 ]
catalogues

GEOLOGIC MAP SERVICE/Telberg Book Corp. Sag Harbor, New York 11963 [P.O. Box Drawer N]

Recent additions to their "Detailed Catalog" via supplemental pages lists worldwide coverage. Of these, the Geological map of the Pacific mobile belt and Pacific is the most beautiful geological map seen recently. Nine sheets, printed in 292 colors, represents the 1970 compilation by the Russia, Ministerstvo Geologii SSSR. Scale 1:10M. $60.

AUSTRALIA. DIVISION OF NATIONAL MAPPING.


The first is an index to air photos of Australia. Includes satellite photos, yr. of photos, etc. 1:84,000 & 1:250,000 photomaps, & 1:63,360. The second is also an index, to topographic coverage, for Australia @ 1:100,000 & 1:50,000 & 1:250,000 & 1:1M (IMW) as well as Australian Antarctica at both 1:250,000 topo and 1:1M (IMW). Ordering information & prices.

free P.O. Box 667, Canberra City, 2601, Australia.

ALASKA. DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS.

List of reports [some incl. maps] issued by .... Information Circular 11, rev. May 1, 1975. 11 pp., 28cm. Cites which items are OP & those avail.

free P.O. Box 80007, College, AK 99701

BRITISH COLUMBIA. ENVIRONMENT AND LAND USE COMMITTEE SECRETARIAT. RESOURCE ANALYSIS UNIT.

Semi-annual list of available publications. October 1974. Text and index maps, covering land inventory, recreation, soils, etc. of B.C.

free c/o Parliament Buildings, Victoria, B.C. V8V 1X4, Canada.

ROYAL GEOGRAPHICAL SOCIETY.

Publications and Maps 1975.

free 1 Kensington Gore, London SW7 2AR, England.

CALIFORNIA. DIVISION OF MINES AND GEOLOGY.

List of available publications, 1975. Prices, ordering information, etc.

free P.O. Box 2980, Sacramento, CA 95812

CANADIAN HYDROGRAPHIC SERVICE.


free 116 Lisgar, Ottawa K1A 0H3, Canada

Describes nautical chart production for the year, programs undertaken by the agency. The Addendum cites New Charts Released during 1974, New Editions Published in 1974, Information Bulletins and Chart Indexes Published 1974; Natural Resource maps Published in 1974.
CANADIAN HYDROGRAPHIC SERVICE.


free both from: Marine Sciences Directorate, Room 512, Federal Building, Victoria, B.C., V8W 1Y4, Canada.

BRITISH COLUMBIA. DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES. LANDS SERVICE.
1974 Key [index maps] 1, 4 to 7: Departmental Mapping; Key 2: British Columbia air photo mosaics; Keys 8 to 14: Published Maps; Keys 15 to 18: Air Photo Cover; Keys 19 to 22: Land Acquisition Maps.
Each Key, or index map, cites methods of ordering maps and aerial photos.

free Director, Surveys and Mapping Branch, Victoria, B.C., Canada

L.S. STRAIGHT
free P.O. Box 106, New York, NY 10016

Catalogue 286: Americana. April 1975. 89 items, includes Canada.

WESTERN ECONOMIC RESEARCH CO.

free 13437 Ventura Blvd., Sherman Oaks, CA 91403

TABULAE NOVAE TERRAE/Capt. K.S. Kapp
Catalogue XII: Antique and Decorative Maps and Prints. 963 items, Western Hemisphere. illus. Inside back cover lists recent map ref. books.

free Box 121, North Bend, Ohio 45052

RICHARD "DICK" HANSEN
A Catalog of Maps & Charts 1840's to 1880's: Catalog Number 7. 400 items covering Western Hemisphere.

free 12410 New Airport Road, Auburn, CA 95603

HISTORIC URBAN PLANS
Historic City Plans and Views, 1975 Spring Supplement. Includes new plans and views added to stock during past six months.

free Box 276 Ithaca, NY 14850

TEJAS GALLERIES
Rare Maps: Catalog 16. 346 items, worldwide. illustrated.

free 601 Rio Grande, Austin, TX 78701
C. BROEKEMA, Antiquarian Book and Mapseller
Catalogue 52: Old Maps of America. 394 items, Western Hemisphere, nearly all of which were published before the Revolutionary War. Prices quoted in U.S. Dollars.
An insert lists original works and reprints pertaining to the history of cartography.
free 28 Titiaanstraat, 1009 Amsterdam, The Netherlands

ACQUISITIONS LISTS

CALIFORNIA STATE UNIVERSITY, FRESNO. THE LIBRARY.
Atlas and Map Acquisitions, 1974. by Herbert Fox, Map Librarian. Fresno, March 1975. CSUF, Fresno, CA 93726

CALIFORNIA STATE UNIVERSITY, LONG BEACH. THE LIBRARY. Business, Economics & Geography Reference Department.
New Acquisitions to the Map Room, No. 15: April, 1975. Compiled by Sandra J. Lamprecht, Map Librarian. 6101 E. 7th Street, Long Beach, CA 90840

UNIVERSITY OF ARIZONA. TUCSON. LIBRARY, Map Collection.
Vol. 6, No. 9, May 1975, Books and Atlases, and new maps [added to the collection]
Map Collection, University of Arizona Library, Tucson, AZ 85721

ILLINOIS STATE UNIVERSITY. NORMAL. MILNER LIBRARY. MAP ROOM.
Normal, IL 61761

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN. GEOLOGY LIBRARY.
Acquisitions received during March, 1975; ...during April, 1975.
223 Natural History Bldg., Urbana, IL 61801

UNIVERSITY OF MINNESOTA LIBRARIES. O. MEREDITH WILSON LIBRARY. MAP DIVISION.
Map Librarian Mai Treude laments in this issue: "Current Announcements will never be the same. Its enthusiastic caretaker and editor has left us to join the Newberry Library in Chicago. Therefore, no Pat Moore -- no March issue -- and who knows about future Current Announcements!"
S76, O. Meredith Wilson Library, Minneapolis, MN 55455

UNIVERSITY OF OREGON LIBRARY.
Map Room Missive/Selected New Atlases and Maps, Number 12, July to December, 1974. May 1975.
165 Condon Hall, University of Oregon, Eugene, OR 97403

UNIVERSITY OF SOUTH CAROLINA. DEPARTMENT OF GEOGRAPHY. MAP DEPOSITORY.
Recent Accessions: Jan.-Feb.-March 1975, No. 3. Items 477 thru 733.
David C. McQuillan, Map Curator, Dept. Geography, USC, Columbia, SC 29208
Each of the forty-eight "readings" in this compilation are reprinted from other sources; i.e., from thirteen journals: seven American, three British, two Canadian, and one German. More than 35% of the articles (17 items) are from the Bulletin of the Geography and Map Division, Special Libraries Association. Another large selection (18.7%, or 9 items) are from Special Libraries.

An extensive bibliography, 18 pages with 214 entries, cites additional readings. These citations are grouped together, chapter by chapter, and cover each of the major topics selected by the compiler: i.e., Introduction to Maps, Elements of Maps, Map Classification and Use, Map Bibliographies/Acquisitions, Map Processing and Cataloging, Map Storage and Preservation, and Map Librarianship/Map Collections.

Just about every aspect of the work of the map librarian is covered by the selection of articles in this compilation, although some topics are only mentioned in-passing by the individual authors; e.g., the importance of aerial photographs to the map collection (and their handling), the importance of finding aids, gazetteers, carto-bibliographies, travel guides, etc. Nor is there to be found an article stressing the need to collect variant editions of older topographic maps. The compiler cannot be faulted for these omissions, however, if articles covering these topics have not been published. Furthermore, every compiler/author is limited by a cut-off date. Much important new information has been published since 1972, the most recent date of any of the reprinted articles; e.g., Peter Water's article in this issue of the Information Bulletin re: "Deacidification, lamination, and the use of polyester film encapsulation"; and, Peter T. Johnson's "Sources and methods to Latin American flat map procurement", which appeared in Bulletin No. 95 (March 1974) of the Geography and Map Division, SLA.

A comparison of this work to a copy of Dr. Drazniowsky's course syllabus for 1970-71 [Map Resources and Map Librarianship (Columbia University, School of Library Service, LS K8207 x) which is held each Autumn Term, Sept. thru Dec.]] indicates that more than two-thirds of the articles in the present work appear in that syllabus. This means that Drazniowsky, obviously concerned that his students had no convenient readings-volume or course text available, created this volume with updated material and new selections that expanded his earlier recommendations. Fifteen of the items included here are new to his earlier syllabus; although some date from 1960, he has chosen new items that cover subjects of map librarianship that are essential to an understanding of the complexities of this field; e.g., "Maps, charts, and copyright", by Abraham L. Kaminstein; and, "Maps: their deterioration and preservation", by Richard Daniel Smith (an example of recent developments in preservation knowledge and techniques).

One fact should be noted for those who are cautious about purchasing books of reprints, there is some overlapping if the present work is compared to two earlier works. One of the present reprints appears in Kuofo's work, which is one of four in that work touching on map librarianship [Readings in Nonbook Librarianship, edited by Jean Spealman Kuofo, Scarecrow Press, 1968].
In 1971 SLA's Geography and Map Division published Recent Practices in Map Libraries. Of the six articles published therein, all of which appeared first in Special Libraries, five are reprinted here.

The principal use of the present work, I suggest, is designed for instructors and their students — precisely the origin of Drazniowsky's need. It is a convenient format for them.

However, it has its limitations for the sophisticated map librarian. If one is looking for a specific topic, a search of each article is required. The index is somewhat too limited; e.g., if one is looking for map folders, and other types of equipment for the map library, the index offers no assistance. The searcher cannot go directly from the index to the required information.

All things considered, Drazniowsky's Map Librarianship: Readings must be included among the few important books on our profession. It is to his credit that he put it together. It will, no doubt, remain a classic tool for generations of instructors in map librarianship.

Stanley Stevens

New Titles, BRIEFLY NOTED

by

Edward P. Thatcher
Map Librarian
Univ. of Oregon, Eugene


A single page of text precedes each major section: physical landscape, climate, the state, SMSAs, farming and voting patterns. Most maps are at 1:500,000 and thus employ more paper than needed, or desirable. Maps of demographic factors are unfortunately separated by such as distribution of venomous snakes and museums, and others of little interest. The principal intent of some plates is unclear to me; lettering styles employed on maps are inconsistent. These and other uneven features are unfortunate costs of a self production. Not recommended, even at this low price.


Too few maps but a pleasing blend of color illustrations and abundant text on the physical environment, history, social institutions, natural resources, transportation, communications, manufacturing and the future. Three scales employed, without indication of magnitude. A pleasing variety of pie and bar charts. Does not lend the same pleasing unified impression as does the Atlas of Alabama, 1973.

Recommended as an urban area, urban subject atlas. Major subjects of this are those expected for an urban treatment. Cartographically bright and bold with enormous variety of symbols and colors used. Some symbols are too complex for quick appreciation and tones of some colors used for variable factors are indistinctly graded. A favorable purchase price.


The area, 5260 sq. miles of old Barataria and Terrebonne, and more, stretches along the Mississippi River from Empire to Donaldsonville. Scale of 1:400,000 throughout. This should be extremely useful as a contemporary coastal study; includes oyster culture, oil and gas fields and lines, urban land use, land management and local conflicts on its uses. Libraries whose patrons number friendly geographers using USGS sheets of the Miss. delta to teach geomorphology must have this. An attractive, simple, well-done job.

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**SACRED TEXT:** A review of the *Atlas of Jerusalem*

by

Murray Baumgarten

Jerusalem. Hebrew University. Dept. of Geography.
1 box ([8] p., 53 fold. sheets of col. maps) 54 cm.
At head of title: The Israel Academy of Sciences and Humanities.
The Israel Exploration Society.
English and Hebrew. Added t.p. [in Hebrew]
------- ------- Urban geography of Jerusalem; a companion volume.
173 p. maps 29 cm. Laid in box.

The *Atlas of Jerusalem* comes in a box twenty-one inches long, fourteen and a half inches wide, and two inches deep. Along with a hundred and seventy page expository narrative volume, this handsome set includes ten map sets, accurately and brilliantly reproduced with remarkable care. The colors do not seep into each other; the maps are easily legible; and they present a spectacular wealth of information ranging from the eight town plans developed for Jerusalem from 1918 through 1968, to the history of the city from pre-Davidic times to our own, with other sections devoted to the region of Israel in which Jeru-

*EDITOR's NOTE: Professor Baumgarten is affiliated with Stevenson College, University of California at Santa Cruz. He teaches literature and Judaic studies, and in July 1975 assumes the post of Director, Study Center of the University of California in Jerusalem.*
salem is located, its quarters and streets, urban structure, land use, public institutions, transportation, population, and changes since 1967 when the city was re-united.

The atlas expresses the devotion with which secular Israeli culture regards the Holy City, thereby reflecting its central place in Jewish tradition. Modern computer techniques have been brought to bear and, in the service of an almost religious vision, have made it possible for a group of distinguished Israeli scholars to articulate on paper the ways in which mere factual detail about Jerusalem takes on a special meaning. This Atlas is both a remarkable scholarly enterprise and a crucial reference work; it also takes its place as a holy book comparable to the Jerusalem Bible. Its editors have realized that the topography of Jerusalem expresses some of the profoundest cultural values of Christian, Islamic and above all Jewish life and have been able, by allowing the material to speak for itself, to create an atlas as in effect a sacred text.

My remarks will be obvious to anyone who merely glances at Section 2, Quarters and Streets, or 3, History, which present in loving detail the Jerusalem whose multiple cultural levels present a veritable history of humankind from 1,000 BCE to our own time—that is to be expected—but the same purpose is at work in such a statistically-bound subject as those presented in Section 8, Population. Consider the first map of Section 8, Distribution of Population by Religion, 1944.

While the general population is grouped according to religion, with the Jews the majority of West—and Arabs the majority of East—Jerusalem, and Christians dominating the southwest, it is yet clear that all of the groups intermingled. Arabs and Christians lived in the western part of Jerusalem, Jews lived in the eastern and southwestern areas where the other groups dominated. The map is thus an eloquent testimony to the abilities of all three groups to live together. Even though there had been great disturbances, riots, and threatening behavior (notably in 1929-1930 and 1938-1939) the various groups by 1944 managed to accommodate to each other's presence and articulate a common convivencia as the Spaniards term the pluralistic society of Arabs, Jews, and Christians that functioned (with interruptions) for several hundred years in Spain until 1492 and the expulsion of the Jews. The Spanish word means literally a "living-together" and this is what map 8.1 of the Jerusalem Atlas points to in its demographic charting of the population distribution by religion in 1944, the first years for which significant data seems to have been available.

Another example is to be found in 4.2, Urban Structures—Building Materials, which portrays the different materials used in Jerusalem's buildings. Not only does this map graphically illustrate some of the history of construction in Jerusalem, it also explores some of the aesthetic aspects of the city. Visitors to Jerusalem are always struck by the special characteristics of the natural stone which is the dominant building material. Clearly, throughout the centuries, this local material has been readily available and thus provided a continuous architectural fabric for the city. Furthermore, one of its most startling qualities is its ability to reflect the sun's rays at sunset, when these stones glow pink and orange and red, producing an uncanny effect able to bring religion even to non-believers and infidels. Map 4.5, Type of Roof, displays the distribution of historic building styles and functions even more clearly, outlining the ways in which ecclesiastical buildings have clustered and yet are also found scattered throughout the city.
It is appropriate to note how maps 3.1 through 3.8 reveal the steady growth of the city from King David's time through the first century as it became increasingly one of the major cities of the Middle East. From the time of the Hasmonaeans (second century before the common era) the city is regularized, showing increasing Hellenistic influence until, during the reign of Herod (early first century, common era), Jerusalem becomes a model of urban order and rationality. The eruption of the Romans into the Middle East and their conquest of the city in the second century, when they razed it and renamed it Aelia Capitolina (banishing all Jews from within the city walls) reveals the sterility brought by Roman order, as the city shrank to a fourth of the size it had been before the legionnaires did their cruel work. Jerusalem did not regain its previous size and importance until the twentieth century, as the maps 3.9 - 3.14 detailing its history reveal, thereby graphically illustrating the shift in importance that began with the Roman conquest of the city and continued under its subsequent history under Byzantine, Arab, Crusader, Mameluke, and Ottoman rulers - only to be dramatically reversed by the explosion of energy of modern Israeli life.

This Atlas is a monumental work for which its editors deserve our special thanks. It is a veritable feast. To the eyes of this beholder, it would be appropriate to designate a small room in any map collection the Jerusalem room and display these marvellous maps on its walls. That would surely be a holy room indeed, encompassing as it would the whole experience of this unique city, and thereby providing a rare treat for the eye and mind.

[Continued from p.21] [Attendance List, Vancouver]
American Geographic, Inc.
Map of metropolitan Tucson with all of Pima County. Fenton, Mich., 1975. 1:21,120

Arizona Oil and Gas Conservation Commission

Arizona State Highway Dept. Photogrammetry and Mapping Division.

Dyer, C. J.

Gelderman, Frederick W.

Pinal County, Arizona. County Engineer.
Map of Pinal County, Arizona. Blue line print. Florence, Ariz., 1974. 1:130,000

Arizona satellite image map. Prepared and published by the U.S. Geological Survey in cooperation with National Aeronautics and Space Administration (ERTS-1, Proposal SR 211) Denver, Colorado, U.S.G.S. 1:500,000 $1.75

Folio of the Phoenix area, Arizona. Reston, Va., 1973-1974. 1:250,000 (Miscellaneous geologic investigations [series]):
Map I-845-F Chemical quality of ground water for public supply in the Phoenix area, Arizona.
Map I-845-G Dissolved-solids content of ground water in the Phoenix area, Arizona.
Map I-845-H Land subsidence and earth fissures in alluvial deposits in the Phoenix area, Arizona.
Map I-845-I Vegetation in the Phoenix area, Arizona.

Map I-844-H Map showing vegetation in the Tucson area, Arizona.
Map I-844-I Dissolved-solids content of ground water in the Tucson area, Arizona.
Map I-844-K Ground-water velocities in the uppermost saturated alluvial deposits of the Tucson area, Arizona.
Map I-844-L Chemical quality of ground water for public supply in the Tucson area, Arizona.

U.S. Soil Conservation Service.
General soil map, Mohave County, Arizona. Prepared by the U.S. Department of Agriculture, Soil Conservation Service, in cooperation with the Natural Resources Conservation Districts in Mohave County, by D. L. Richmond and M. L. Richardson. Portland, Oregon, 1974. 1:600,000

The Marine Exchange of the San Francisco Bay Region recently published the third Golden Gate Atlas, a completely new version of the 1971 reference.

This 97-page atlas is the only complete maritime and world trade publication of its kind. It presents up-to-date detailed reports on all the shipping facilities in the region, with indexed maps for each, including the Ports of San Francisco, Oakland, Alameda, Richmond, Redwood City, Stockton, Sacramento, Benicia and the San Pablo-Suisun Bays complex. It also highlights all government and commercial services involved in world commerce, details ship anchorages, lists ocean routes, and has a cross-indexed shipowners and agencies directory. This is the only source where all this information can be found in one publication.

Copies of the Golden Gate Atlas are available from the Marine Exchange, 303 World Trade Center, San Francisco, CA 94111. A special net price for libraries of $2.00 is available (post-paid; which is a 70¢ reduction from the regular price.) (Phone: (415) 982-7788)

U.S. Geological Survey is making available to the public 1973 and 1974 color aerial photography of flat land areas around San Francisco Bay including an area from Oakland and San Francisco to San Jose and Hollister, Livermore and San Ramon Valley, Monterey Bay region, Napa Valley, Sacramento Delta, Suisun and San Pablo Bay, Santa Rosa to Cloverdale, and coastal areas from Monterey to Point Arena. Most of the photography is at 1:20,000 scale and some is at 1:36,000. An index map showing the location of each photo as well as negatives from which color prints can be ordered are on file at Keith Cole Photography, 604 Price Street, Redwood City, CA 94063, tel. (415)369-7383. Please note that these photographs are not available through U.S.G.S. but only are available through the above firm.

"Geology of the San Francisco North Quadrangle, California", by Julius Schlockler has been recently released. Number 782 in the U.S.G.S. Professional Paper series, this 109 page paper discusses in detail the geology of the northern half of the San Francisco County and the extreme southeastern tip of the Marin Peninsula. Several maps accompany the report. $4.80

Tommy Thompson, owner of the Map Centre, 2611 University Ave., San Diego, CA 92104 (714) 291-3830, now has in stock topographic maps of Mexico (1:50,000 CETENAL) covering Baja California Norte. Some sheets are final printed editions while others are black and white advance copies. For those of you that would prefer dealing with someone other than the Mexican government agency, the Map Centre is offering the final editions @ $2.00 each; ask for quote on advance copies. Indexes and other information offered free.
PUBLICATIONS OF RELEVANCE

Contributors:

AB = Anna Bluestein - University of California, Los Angeles
EP = The Editor, via Publisher, or item in hand
LC = Larry Cruse, University of California, San Diego
SJ = Sheila Johnson, Map Librarian, Texas A&M University

BARKER, HAROLD J.


BELISLE, HAROLD J. and RON JOSSELET.
An analysis of Texas waterways. Austin, Texas Parks and Wildlife Dept. (1975) 240 pp. Free (1 copy per request) Address: Texas Parks and Wildlife, John H. Reagan Building, Austin, TX 78701. "An attempt has been made to cover all of the rivers, streams, and bayous in the State of Texas that are capable of supporting normal waterway recreational activities, such as canoeing, kayaking, and rafting." The detailed text is accompanied by many maps.

BLAIR, CALVIN L.
The American landscape, map and air photo interpretation / C. L. Blair,

[ii], 62 p. : ill. (some col.), maps (some col.); 32 cm.

BODECHTEL, JOHANN

AB 176 p. : ill. (some col.), maps (some col.) ; 31 cm. Translation of Weltraumbilder der Erde.

THE BLATHWAYT ATLAS

EP Brought together in the 17th C. for the use of the Lords of Trade and Plantations, the Blathwayt collection of manuscript and printed maps has been called the first atlas of the British Empire. It is now in the John Carter Brown Library, and this facsimile is prepared by Miss Black, for many years the Curator of Maps. 33 of the maps are of areas in North America or the West Indies, eight are of South American territories, three are of Africa, and there is one each of Bermuda, Bombay, North and South America, and the World. Maps are by John Thornton, Robert Morden & William Berry, John Seller, William Fisher, Nicolas Sanson, Joann Jansson, et al.
CALIFORNIA. DEPT. OF TRANSPORTATION.
California city and unincorporated place names, A to Z; July 1, 1973 /
AB State of California, Business and Transportation Agency, Dept. of Trans-
ca. 150 p. Earlier eds. by California Division of Highways.

CALIFORNIA. DIVISION OF MINES AND GEOLOGY.
Fault Hazard Zones in California; Alquist-Priolo Geologic Hazard Zones
$1.00 Publications Sales, P.O. Box 2980, Sacramento, CA 95812

CALIFORNIA. UNIVERSITY. BERSLEY. BANCROFT LIBRARY.
Catalog of Manuscript and Printed Maps in the Bancroft Library (A supple-
ment to Index of Printed Maps). Boston, G.K. Hall, 1975. 1 vol. $75.00
EP This supplement contains the 14,000 maps, 200 atlases and 1,000 maps in
books added to the map catalog since publication of the Index in 1964,
most of which has been done by WAML's Phil Hoehn, Map Librarian at Bancroft.

CANADA. PUBLIC ARCHIVES. NATIONAL MAP COLLECTION.
Catalogue of the Canadian Section. Boston, G.K. Hall, 1975?
EP To be published late 1975, early 1976, in 16 volumes. Pre-pub. price, U.S.
and Canada: $990.; elsewhere: $1,089. After January 31, 1976: U.S. and
Canada, $1,250.; elsewhere: $1,375. Prices do not include ship. & hand.

CENTER FOR CALIFORNIA PUBLIC AFFAIRS
California legislative and Congressional Districts for 1974-1980; Official
LC maps, descriptions and statistics. Claremont, Center for California Public
Affairs, 1974. $6.50 226 W. Foothill Blvd., Claremont, CA 91711

CHEVRIER, EMILE D.
Topographic map and air photo interpretation [by] Emile D. Chevrier and
AB D. F. W. Aitkens. Toronto, Macmillan Co. of Canada [c1970]
184 p. illus., (part col.), maps (part col.) 31 cm. $6.50 MARC 72-176686

COMMISSION OF THE EUROPEAN COMMUNITIES. DIRECTORATE GENERAL OF INFORMATION.
The European Community in Maps. 1974 ed. $.75¢ from Office for Official
Publications of the European Communities, Case Postale 1003, Luxembourg 1.
LC List of maps: 1. Regions and Administrative Units; 2. Population distri-
bution and conurbations; 3. Land use and agriculture; 4. Coal and elec-
trical energy (except Nuclear); 5. Nuclear industry; 6. Oil and natural
gas; 7. Working population in the agricultural, industrial and tertiary
sectors; 8. Metal, chemical and textile industries; 9. Inland waterways &
seaports; 10. Railways and sea links; 11. Motorways, main roads and tour-
trade of the European Community.

[Papers of the] Fifth Conference of Southern African Surveyors, Salisbury,
Rhodesia, 3 February - 9 February 1974. [Salisbury, 1974]
AB 2 v. (loose-leaf) illus., maps. At head of title: CONSAS 74. Sponsored
by the Rhodesian Institute of Surveyors. M.O. Collins, chairman.
FELZER, RON.
AB 86 p. illus., maps (1 fold. col. in pocket) 16 cm. (High Sierra hiking guide #6) $1.95 MARC 76-141989

FELZER, RON.
AB 85 p. illus. (part fold.) 16 cm. (High Sierra hiking guide 12) $1.95 MARC 72-89914

FELZER, RON.
 ix, 86 p. illus. 16 cm. (High Sierra hiking guide, 8) $1.95

INTERNATIONAL DICTIONARY OF AIDS TO MARINE NAVIGATION.
-- 1st ed. -- Paris : International Association of Lighthouse Authorities, 1970-
AB v. : ill. ; 30 cm. Each chapter is published in a separate booklet, one for each language (English, French, German, etc.) On cover: AISM-TALA. 9 chapters to be published, UCLA Map Library only has 3 thus far (Apr. 75).

JENKINS, JIM C.
AB 90 p. illus., maps (1 fold. in pocket) 16 cm. (High Sierra hiking guide no. 13) $2.95

JOHNSTON'S GAZETTEER OF SCOTLAND.
.... including a glossary of the most common Gaelic names. -- 3d ed. /

KELSA Y, LAURA E.
v, 36 pp. Prepared by the Cartographic Archives Division. free

KEUNING, J.
x, 164 p. with illus. 23 cm. f136.00 MARC 74-152925

LYNAM, EDWARD, 1886-1950.
The Carta marina of Olaus Magnus, Venice 1539 & Rome 1572. Jenkintown [Pa.]
AB Tall Tree Library, 1949. (Tall Tree Library publication 12)
40 p. illus., maps (some fold.) 26 cm.
MAY, BETTY.

NEVADA. DEPT. OF HIGHWAYS. CARTOGRAPHIC SECTION.
AB 192 p. ; 3 fold. col. maps (in pocket) "Nevada county map index and price list" also in pocket.

PIERCE, BOB.
AB ix, 86 p. illus., map (fold. col. in pocket) 16 cm. (High Sierra hiking guide, no. 9) $1.95 MARC 78-186761

PIERCE, BOB.

POST, JOYCE A.

The Hexamer General Surveys have been microfilmed. for information on their availability, communicate with the Free Library of Philadelphia, Logan Square, Philadelphia, PA 19103.

EP The Surveys were prepared by Ernest Hexamer between 1866 and 1895 and consists of, as near as can be determined, 2855 numbered plates depicting various industrial and commercial properties in Philadelphia and immediately adjacent areas, and Erie, Lewisburg and Steelton in Pennsylvania, Gloucester County in New Jersey and Richmond, Virginia.

These Surveys, derived from the earlier Hexamer and Locher fire insurance atlases of Philadelphia, concentrate on a single property, rather than a block or several square blocks. A brief statement of business activities on the premises is also included, names of owners, tenants, operators and number of employees (including boys and girls and women). Supplementing the diagram is a colored view of the building(s).

Prowse, George Robert Parrar, 1860-
AB xxviii p. illus. 36 cm. Reproduced from typewritten copy.
UCLA Map Library [Call Number] E 129 CLP94
RENDER, J.

This is an instruction booklet compiled from a series of articles which appeared in the Society of University Cartographers Bulletin, Summer 1970, Winter 1970/1971 and Summer 1971. It introduces the reader to some basic techniques in cartography and includes descriptive chapters on linework, symbols and compilation and plotting. There are fifteen figures in the text and three detailed appendices; with a colored card cover and a half-tone double page spread showing a selection of drawing instruments.

The booklet is available for purchase (plus postage) at the following prices: single copies 30p each, 25-49 copies 29p each, 50-99 copies 27p, and 100+ copies 24p each. Due to variations in postal charges, prices for bulk overseas purchases will be given on application. Order from: Mr. G.K. Kingdon, Department of Geography, Portsmouth Polytechnic, Lion Terrace, Portsmouth, PO1 3HE, England. Please note that all orders must be pre-paid. Checks to be made payable to the Society of University Cartographers.

ROBINSON, JOHN W.

SALT LAKE COUNTY PLANNING DEPARTMENT.

This report provides 1970 census tables for the 42 subregional areas within San Diego County. Two additional tables are included which present the population change between 1960 and 1970 for the subregional areas and the California counties. Selected data items from each table are displayed using five different computer mapping techniques. A brief description explains each of the mapping techniques.

SHELLEY, MICHAEL H.

"Genealogical research is facilitated by the use of a ward map to identify the ward in which a particular street address was located when a given census was taken; this obviates the necessity for a time-consuming search of the census records for the entire city. This selective checklist of maps illustrates the evolution of city wards in certain United States cities from 1790 through 1899." The following cities, within WAML's principal region, are included: Denver, and San Francisco.

SMET, ANTOINE DE, 1909-
TIDE AND WATER LEVEL BENCH MARKS.
7 v. : ill. "Compiled by the staff of the Predictions and Publications Unit of the Tides and Water Levels Section."
CONTENTS: v. 1: Atlantic Coast and Bay of Fundy. --v. 2: Gulf of St. Lawrence. --v. 3: St. Lawrence and Saguenay rivers. --v. 4: Arctic and Hudson Bay. --v. 5: Juan de Fuca and Georgia straits. --v. 6: Barkley Sound and Discovery Passage to Dixon Entrance. --v. 7: Great Lakes and St. Lawrence River (non-tidal).

UNESCO
UNESCO/Geological Institute of Dionyz Stur (GUDES), Bratislava.
Tectonic map of the Carpathian-Balkan Mountain system and adjacent areas
EP @ 1:1,000,000. 1974? Ten sheets, $66.00
UNIFOB, Box 433, Murray Hill Station, New York, NY 10016

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
British Solomon Islands Protectorate and Gilbert and Ellice Islands Colony, official standard names approved by the United States Board on Geographic Names / Prepared by the Defense Mapping Agency Topographic Center. -- Washington, DC, 1974.
AB vi, 202 p. : maps ; 22 x 28 cm. (Official standard names gazetteer) Supersedes names in all previous Board lists for the areas concerned.

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
ix, 789 p. : map ; 22 x 28 cm. -- (Official standard names gazetteer)
AB Supersedes names in all previous Board lists for the area.
1. Taiwan - Gazetteers. 2. Quemoy - Gazetteers.

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
AB vi, 231 p. : maps; 22 x 28 cm. -- (Official standard names gazetteer) Supersedes names in all previous Board lists for the areas concerned.

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
AB v. 62 p. : map ; 22 x 28 cm. -- (Official standard names gazetteer) Supersedes names in all previous Board lists for the area.

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
AB v. 100 p. : maps ; 22 x 28 cm. -- (Official standard names gazetteer) Supersedes names in all previous Board lists for the area.
U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
AB v. 76 p. : map ; 22 x 28 cm. -- (Official standard names gazetteer)
Supersedes names in all previous Board lists for the area.

U.S. DEFENSE MAPPING AGENCY. TOPOGRAPHIC CENTER.
AB iv, 65 p. : map ; 22 x 28 cm. -- (Official standard names gazetteer)
Supersedes names in all previous Board lists for the area.

UNITED STATES. DEPT. OF THE ARMY.
Universal transverse Mercator grid tables for latitudes 0°-80°, Bessel spheroid (meters) / Headquarters, Department of the Army. -- Washington : 1958-
AB v. : fold. maps. -- (Its Technical manual ; TM 5-241-5/1)
CONTENTS: v. l. Transformation of coordinates from geographic to grid.

UNITED STATES. DEPT. OF THE ARMY.
Universal transverse Mercator grid tables for latitudes 0°-80°, Clarke 1880 spheroid (meters) / Headquarters, Department of the Army. -- Washington : 1958-
AB v. : fold. maps. -- (Its Technical manual ; TM 5-241-6/1)
CONTENTS: v. l. Transformation of coordinates from geographic to grid.

U.S. FOREST SERVICE.
LC Available from: U.S. Forest Service, Forest and Range Experiment Station, 507 25th Street, Ogden, UT 84401

U.S. GEOLOGICAL SURVEY. TOPOGRAPHIC DIVISION.
Topographic instructions of the United States Geological Survey. [Rev. ed.] Washington, 1951-
5 v. (loose-leaf) illus. "Describes the standards, methods, and procedures used by the ... Division in producing topographic quadrangle maps."
AB Parts and chapters are issued in loose-leaf or pamphlet editions which are kept up-to-date with revision.

U.S. GEOLOGICAL SURVEY.
Worldwide directory of national earth-science agencies. Geological

U.S. GEOLOGICAL SURVEY. WATER RESOURCES DIVISION, CALIFORNIA DISTRICT OFFICE.
EP The maps are listed alphabetically for the entire state as well as by County - by quadrangle name.
THE NEWBERRY LIBRARY RECEIVES A GRANT

According to AB Bookman's Weekly, April 21, 1975 (p.1869) the National Endowment for the Humanities has awarded a grant of up to $130,000 to the Newberry Library and eight midwestern historical societies to prepare a catalogue of approximately 14,500 maps and atlases of the Middle West printed before 1900. The two-year project, which began on February 1, 1975, is directed by Dr. David Woodward, Program Director of the Hermon Dunlap Smith Center for the History of Cartography at the Library. Project Coordinator is Robert W. Karrow, Jr., Curator of Maps, The Newberry Library, Chicago.

In addition to The Newberry Library, the following institutions are involved: Chicago Historical Society, Illinois State Historical Society, Indiana Historical Society, State Historical Society of Iowa, Michigan State Archives, Minnesota Historical Society, Ohio State Historical Society, and the State Historical Society of Wisconsin.

Each state historical agency is responsible for compiling a complete card catalogue of maps and atlases of their respective state printed before 1900. These include state, county and township maps and atlases as well as city plans. The Newberry Library is cataloguing the maps of the Great Lakes region as a whole. In addition to coordinating the project, the Newberry has compiled a manual of map cataloguing that it hopes to publish.

The project is intended to help raise the general level of professionalism in map cataloguing and curatorship in the Middle West, and to foster cooperation between the rich but underused collections of historical maps in the area.

[Citation courtesy Phil Hoehn, The Bancroft Library, UC Berkeley.]
The Moon's nearside, an area similar in size to North America, displays 17 impact craters over 200 miles in diameter and innumerable smaller ones. The major basins were formed by impacting planetesimals early in the Moon's history; other planetesimals have been gradually broken up into smaller and smaller asteroids which mostly now orbit in a belt between Mars and Jupiter. Studies of meteorites suggest that the iron ones are derived from not over 11 planetesimals; the more common chondritic ones, from six. Some 42,000 asteroids over a mile in diameter are still in orbit, but only a dozen are as large as the undifferentiated 62 to 124 mile one which produced the Imbrium basin on the Moon.

If so many chunks of rock and nickel-iron have hit the Moon, surely more have hit the Earth, which has a land surface area 4 times as great. The famous Meteor Crater in Arizona, produced by a 200-foot meteorite less than 30,000 years ago, is only 3/4 of a mile across. Where are the scars of the bigger impacts on Earth?

Through 1968, geologists and astronomers looking for impact structures had found 127 possibilities. Subsequently satellite photos have suggested dozens more. Most, however, look nothing like Meteor Crater. They are more likely to resemble one I visited last summer, the Sierra Madera structure in West Texas. The main feature visible there today is a thousand foot central peak, produced by rock rebounding after an asteroid impact in the late Cretaceous or early Tertiary, around 65 million years ago. The original crater was some 8 miles across, and traces of its largely worn-away synclinal structure still show up as a low rim-like circular feature. The shock waves from the impact produced large amounts of breccia, deformed quartz grains, and left many shatter cones whose orientation indicates shock waves originating above rather than below the surface. It is this mechanical evidence which is the basis for accepting an impact origin for the Sierra Madera structure. In a few other structures such evidence is supplemented by high pressure and high temperature minerals which could be produced only by the immense shock created by an impacting asteroid.

The most spectacular shatter-coned structure found so far is the Vredefort Ring in South Africa, where 1.97 billion years ago an asteroid a mile or more in diameter punched a hole 30 miles wide and 10 miles deep, the surrounding rocks peeled back, and a plug of the underlying granite rose to the surface, surrounded by a synclinal ring 130 miles across.

The largest structures in Canada for which substantial evidence of impact origin is available are Sudbury Basin in Ontario and Manicouagan Lake in Quebec. Sudbury Basin was formed 1.75 billion years ago when an asteroid some 2 to 3 miles in diameter blasted out a circular crater 30 miles across and 2 miles deep. Ore deposits around its margin supply 75% of the Western World's nickel.

* Presented May 8, 1975 to the joint meeting of the Western Association of Map Libraries and the Association of Canadian Map Libraries, Vancouver, B.C.
At Manicouagan a large central peak is surrounded by a synclinal ring 40 miles in diameter. Like a number of other large circular structures, Manicouagan has a major iron deposit outside its margin, where remnants of an asteroid exploding on impact would most likely be concentrated.

Good field evidence for an impact origin has been found at half a dozen other Canadian circular features, though some Canadian geologists refuse to accept an impact origin for any of them. Some other features have been so heavily eroded by Pleistocene and perhaps earlier erosion that an initial failure to find evidence on the surface is not decisive. One possible impact crater isn't even discernible on the surface—the Steen River structure in Alberta, a brecciated basin found 600 feet below the muskeg by oil drilling.

Our increasing knowledge of extraterrestrial geology helps explain why so few major impact craters have yet been found on Earth. We now have a geochemical chronology for the impact events which produced the 29 major lunar basins. The latest of these, which produced the Mare Orientale with scarps ranging from 224 to 904 miles in diameter, occurred not less than 3.8 billion years ago. Asteroids have continued to hit the Moon, but with a continual decrease in average size. Most post-maria lunar craters are still visible, but any terrestrial structures older than a few million years are likely to have been repeatedly eroded, buried beneath later deposits, or altered by terrestrial tectonic activity.

But even impact craters which are now greatly changed and deeply buried can show evidence of their existence—not proof, but still something worth speculating about in the light of what we know about extraterrestrial impact structures. Major lunar basins are underlain by deep breccia beds and surrounded by extensive zones of concentric and radial faults. On Earth, such impact features could be expected to leave long-term circular zones of crustal weakness, marked today by ancient basins, fault-block mountains, volcanoes, lava sheets, and intrusions of granitic and ultrabasic rocks from far below the surface.

The location of major iron, nickel, and chromite deposits adjoining such circular structures could also suggest extraterrestrial origin, although unfortunately the chemical composition of the commonest meteorites is similar to that of the mantle material from beneath the 30 miles or so of terrestrial crust. Like the lunar basins, the great sedimentary iron deposits on Earth date from relatively early in the history of our solar system. Irregardless of whether our ferrous ores came mostly from deep in the Earth or from space, if their present concentrations near the surface are due mainly to extraterrestrial impact we can derive the very practical information that such concentrations are not likely to form again.

There are many small circular or elliptical structures which might be of impact origin, such as Rankin Inlet, Sept-Iles, Pend Oreille Lake, or the Bahia Sebastian Vizcaino—to mention four that I haven't previously seen suggested. Larger structures in North America which are probably at least a half billion years old and look promising include: Gulf of Mexico (950 miles across); Hudson Bay Basin (640 miles); Great Basin (440); Nastapoka Islands Arc (295); Colorado Plateau (280); Columbia Plateau (275); Ouachita Basin (250 x 150); Athabaska Basin (250 x 130); Michigan Basin (230); Borden Penninsula (200); Gulf of St. Lawrence (180); Big Horn Basin (105); Adirondack Mountains (100);
Crazy Mountains Basin (50); Llano Uplift (50).

Some other structures do not appear to be as old, but could mark areas of crustal weakness: Idaho Batholith (215 miles); Puget Sound Basin (112); Mt. Stuart Batholith (28 x 19 miles).

The Columbia Plateau is superficially more similar to the lunar maria than is any other area in North America. Relief, tectonic, and gravity maps suggest a circular basin, 275 miles across, outlined by the radiating Precambrian formations near Spokane, the Jurassic Mt. Stuart Batholith, Mt. Rainier with its underlying Tertiary granitics, Mt. Hood, and the Triassic sub-crustal intrusives south of the John Day River. This boundary is paralleled internally by sections of the Columbia, Snake, Spokane, and John Day Rivers; and externally by radiating drainage and structure on the West and North and concentric drainage and structure on the East and South. The sequence of lava flows a mile or more thick which caps the basin is no older than the Miocene. (The lava flows in the lunar basins are up to 600 million years younger than the impact basins they fill.) The Paleozoic and Mesozoic strata exposed through mountain building in the southern part of the Columbia Plateau basin make it evident that many miles of deposits lie between the basalt cap and the basin basement. Until drilling reaches this basement there is little chance of finding definitive evidence for or against impact origin. There is one other intriguing bit of evidence, however. Right in the center of this basin, where a central peak would occur in a medium-size impact structure, the Columbia River makes a U-turn around the base of the Horse Heaven Hills and the gravity high for the basin is located here.

At first glance Puget Sound looks far from circular, but the western part has been modified by many thousands of feet of volcanic deposits that have poured into the basin from the growing Olympics. The intrusive bodies along the eastern margin of the basin, and the gravity map, do suggest an originally circular 112-mile structure. Near the center of this hypothesized structure lies an intrusion rising 3700 feet above the bottom of the glacial drift in Puget Sound, and a gravity high.

The Colorado Plateau is a more speculative structure. The ancient margins of its basin are marked by such prominent features as the Kaibab Plateau, the San Francisco Volcanic Field, the White Mountains, and the 1.5 billion year old Sangre de Cristo Range. Concentric with it and 180 miles further north is the Uinta Range whose ancestral mountain roots go back 2.3 billion years. A trench outlining the basin interior shows up particularly well on the aeromagnetic map of Colorado. To the east, west, southwest of the basin lie large Precambrian to Mesozoic iron deposits.

Outside North America there are many fascinating possibilities, such as the Aegean Basin, the spectacular Er Richat structure in Mauritania, and the great Australian basins with associated Precambrian sedimentary iron deposits.

A surprising variety of maps are useful for spotting suggestive patterns: plastic relief models, shaded relief maps, drainage maps, gravity maps, aeromagnetic maps, geologic maps, tectonic maps, earthquake maps, radiometric age maps, and satellite photos. Sometimes simplified small-scale maps show patterns obscured on more detailed maps. Crater hunting is a fascinating game, still in the forefront of expanding scientific knowledge, and it can lead its players as deeply as they want to go into current knowledge and speculation about the geography, geology, tectonics, petrology, physics, and chemistry of our solar system.
Fourth Lunar Science Conference
1973  Argon selenochronology (Proceedings, 2:1889-1914)

France.  Institut Géographique National
1952.  Er Richat (1:80,000)

French, Bevan and Nicholas Short (eds.)
1968  Shock metamorphism of natural materials

Geological Society of America
1973  Glacial exhumation of impact craters on the Canadian Shield
      (Bulletin, 84:1667-1672)

Geological Survey of Canada
1966  Geology of the New Quebec Crater (Bulletin 150)
1969  The Clearwater complex (Bulletin 178)
1969  Geological notes on the Carswell circular structure, Saskatchewan
      (Paper 67-32)
1969  Mineral deposits of Canada (1:5,000,000) (Map 1252A)
1970  Isotopic age map of Canada (1:5,000,000) (Map 1256A)

Icarus
1971  Genetic implications of the shapes of Martian and lunar craters
      (15:384-395)
1971  Martian cratering II: asteroid impact history (15:396-409)

Journal of Geology
1961  Vredefort Ring structure: meteorite impact scar? (69:499-516)
1964  Sudbury structure as an astrobleme (72:412-434)

Mininger, Harvey
1972  Find a falling star

Tennessee Division of Geology
1968  Erin quadrangle geologic map (GM 38-SW)
1968  Cumberland City quadrangle geologic map (GM 38-NW)

U.S. Geological Survey
1965  Geologic map of the Packsaddle Mtn. quadrangle, Idaho (GQ-375)
1966  Terrestrial impact structures—a bibliography (Bulletin 1220)
1967  National atlas of the United States, pl. 70, Tectonic features
1968  Tectonic map of North America (1:5,000,000)
1969  Terrestrial impact structures—a bibliography 1965-68 (Bulletin 1320)
1971  Geologic map of the near side of the Moon (1:5,000,000) (I-703)
      and lunar geologic quadrangle maps (1:1,000,000) in the same series
1972  Aeromagnetic map of Colorado (GP-880)
1972  Geology of the Sierra Madre cryptoexplosion structure, Pecos Co.,
      Texas (Prof. Paper 599H)

Washington Division of Geology and Earth Resources
1961  Geologic map of Washington (1:500,000)
1974  Complete Bouguer gravity anomaly map of Washington (1:500,000) (GM-11)
1974  Thickness of unconsolidated sediments, Puget Sound Lowland (GM-12)
MAPPING IN BRITISH COLUMBIA RESOURCE DEPARTMENTS

by

D. F. Pearson
Research Officer
Surveys & Mapping Branch, Victoria, B.C.

This presentation will deal primarily with mapping at the Provincial level in British Columbia, and in particular that which is being done by the resource departments of the Provincial government. It is important to point out, however, that other levels of government, particularly Federal and regional, are also actively involved in preparation of maps. Therefore, before continuing to outline Provincial involvement in resource mapping, I will briefly review Federal and regional mapping activities.

The Federal government, through the Surveys and Mapping Branch of the Department of Energy, Mines, and Resources, Ottawa, edits, publishes, and distributes maps of the well-known and widely circulated National Topographic Series. These cover either all or part of British Columbia, depending on their scale. It will be of interest to point out that as of this date, all of British Columbia is fully covered by lithographed sheets at 1:1,000,000, 1:500,000, and 1:250,000 scales, while coverage at the much larger 1:50,000 scale is approximately two-thirds completed, with only portions of the Coast Mountains and the remote north central interior not yet shown on published lithographed maps. Besides the scales already mentioned, the Canadian Government produces maps at 1:25,000 for the urban and suburban areas around Victoria, Vancouver, and Kamloops.

Lists and indexes outlining current Canadian government mapping may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa. Published Federal maps are also distributed in British Columbia through the Vancouver office of the Geological Survey of Canada at 100 West Pender St., Vancouver, and the Director, Surveys and Mapping Branch, British Columbia Lands Service, Victoria.

In addition, the Federal government publishes various thematic or specialty maps. For example, the Geological Survey of Canada publishes and distributes geological maps which are issued in conjunction with various papers and bulletins released by the G.S.C. The Marine Sciences Directorate of the Federal Department of the Environment (Environment Canada) maintains a nautical chart sales and distribution office at 1230 Government Street, Victoria. You will be hearing more about the work of the Canadian Hydrographic Service in another talk. Detailed indexes to marine charts are available through that office. In addition, the Federal Department of Agriculture, in conjunction with the British Columbia Department of Agriculture, reproduces soils maps which appear as part of a series of published soils reports covering the agricultural regions of British Columbia.

The Federal Department of the Environment (Environment Canada) has also been active in producing specialized thematic maps which they have issued in conjunction with study papers on the environment.

By-passing for a moment the cartographic activities of the Provincial resource departments, other sources of detailed governmental mapping include
regional districts and municipalities in British Columbia. Many regional and local (i.e., municipal) levels of government produce maps in connection with planning reports or to use as a base for plotting municipal services of various kinds. The Department of Municipal Affairs, Victoria, B.C., can provide the addresses of regional and municipal authorities where enquiries may be made about the type and availability of maps which regional districts or municipalities may be able to supply for library reference use. In general, only the larger, more heavily populated regions and municipalities prepare specialized maps and would be able to provide reproductions of them. The map sheets are usually produced by diazo or dry-print process or by offset with limited use of colour. Furthermore, the mapping may be attached to or form part of a published report on a particular aspect of planning or other municipal or regional service. In summary, regional districts or municipalities are less concerned about producing resource maps than they are about mapping for particular local projects or services.

I will now turn my attention to the major cartographic activities taking place within Provincial resource departments, specifically the Lands Service, the Forest Service, the Department of Mines and Petroleum Resources and the Environment and Land Use Committee Secretariat. In no way would it be possible to provide an exhaustive treatment of the processes involved in compiling, publications and distribution of all of the maps done by these agencies. However, I will outline a few examples which may interest you and provide sources from which you may get further information. Also I am not going to deal with the historical background of Provincial mapping or with details of distribution policies (i.e., discounts for educational use) or prices. Such subjects can better be dealt with by direct enquiry.

**LANDS SERVICE**

The Surveys and Mapping Branch of the British Columbia Lands Service edits, publishes, and distributes several types of lithographed and white-print paper maps. The Branch also has an aerial photographic function, undertaking air photography, in black and white and colour, at the request of government departments and agencies. Indexes to air photo cover are available from the Director, Surveys and Mapping Branch. One index locates and lists black and white air photo mosaics which have been reproduced to date. These mosaics, which are compiled at approximate ground scales, are available as photographic reproductions and contain some base details such as names. Some are also available at a considerably lower cost as paper white prints. Orthophotographic maps (photomaps) controlled for scale, are now also being produced by the Surveys and Mapping Branch.

To return to the mapping function of the Provincial Surveys and Mapping Branch, two major types of map are produced = published (lithographed) maps which are colour reproductions and departmental maps which are reproduced as black and white paper prints from mylar and other types of transparent bases.

Because of the variety of detail which is shown on them and their popularity as educational references, lithographed maps are generally the most popular and common items in map libraries. Up-to-date indexes are available showing the variety of published maps which are produced and distributed. They may be ordered from Director, Surveys and Mapping Branch, British Columbia Lands Service, Victoria, B.C.
Black and white print maps issued by the Surveys and Mapping Branch include large-scale sheets of selected portions of the Province and planimetric base maps which are used mainly as bases for plotting other resource detail, such as forest inventory data and land status reference.

**Metric Conversion**

The Surveys and Mapping Branch has committed its future new and conversion mapping to the use of metric horizontal and vertical scales, that is, in future elevations will be shown in metres and horizontal distances generally in natural ratio multiples of 1, 2, and 5; e.g., 1:1,000, 1:2,000, and 1:5,000. However, allowance is made for the use of intermediate ratios such as 1:2,500 where practical requirements demand it. A standard system of scaling, indexing, and coordinate control is being prepared for general use throughout the Province.

**Survey Systems in British Columbia**

Examination of maps containing cadastral detail (i.e., survey lines and lots) in British Columbia shows a complexity of patterns ranging from variations of the section - range - township system to what the Lands Service refers to as the district lot system.

Recently, the Branch produced a booklet titled "Survey Systems within the Crown Domain" which explains the various systems and traces their origin.

**British Columbia Forest Service, Victoria, B.C.**

The Management Division, British Columbia Forest Service, maintains a Provincial Forest Atlas. This is not an atlas in the sense of being a published volume of forest resources but rather what may be more accurately referred to as a series of reference transparencies on which are plotted administrative boundaries and resource alienations of concern to Forest Service administrators. Black and white paper prints taken from master copies on film transparencies show, for example, forest district boundaries, the location of public sustained-yield units, watershed reserves, timber sales, tree farm licences, research plots and other relevant data. These maps are subject to obsolescence because of the nature of the administrative detail which is shown on them.

The Inventory Division, British Columbia Forest Service, is responsible for producing and maintaining a series of maps and published statistical data relating to the volumes, ages, condition, and status of merchantable species. The Inventory Division distributes an "Index to Published Forest Cover Maps and Data" which lists the coverage and availability of inventory mapping.

**Department of Mines and Petroleum Resources, Victoria, B.C.**

Mineralogical mapping in British Columbia is both complex and voluminous. I have already mentioned the work being done by the Geological Survey of Canada but the Provincial Department of Mines and Petroleum Resources is also heavily involved in mapping to serve its scientific and administrative functions.

The publication titled "Geology, Exploration and Mining (G.E.M.) in British Columbia" is an annual report on the state of geological exploration and mining. It contains many small-scale page-size maps and refers to others which have been produced by mining companies and geologists.
The Geological Bulletin Series are published reports, with detailed maps, showing the geology of various districts of the Province. Occasionally, preliminary (black and white) maps are produced prior to publication of the text of the bulletin.

A very important series of maps which is prepared and distributed by the Department of Mines and Petroleum Resources is the Mineral Deposit-Land Use Map Series. Sheets are available as paper white prints or as sepia transparencies. Issued at 1:250,000, these sheets complement the data compiled on renewable resources by the Environment and Land Use Committee Secretariat.

Another series of 1:126,720 maps covering the whole Province are the Mineral Inventory Maps (MIMS) sheets. These serve as co-ordinate data bases for filing-information on mineral claims. Like other "reference-type" maps, they are up-dated frequently and of course can rapidly become obsolescent in areas subject to sudden flurries of claim staking activity. Supplementing the base maps of the MIMS series are print-out cards which provide the assay details on minerals and other data on claims indexed on the map.

Another map series which the Department of Mines and Petroleum Resources issues are Assessment Report Index maps. These sheets record the location of filed reports on mineral deposits and claims. They are keyed to a published numerical index.

The Department of Mines and Petroleum Resources also issues an "Index to Geological Mapping in British Columbia". The Index provides map location keys and titles of publications for published bedrock geological maps and reports in British Columbia, both Federal and Provincial.

The Petroleum and Natural Gas Branch of the Department of Mines and Petroleum Resources offers several services, including maps, and these are published in the "Catalogue of Publications, Maps and Services concerning Petroleum and Natural Gas".

**Environment and Land Use Committee Secretariat**

The Resource Analysis Unit of the Environment and Land Use Secretariat is heavily involved in the production of a series of thematic maps relating to the inventory of renewable resources in British Columbia. This agency functions independently of other provincial departments and is responsible to the cabinet committee of resource ministers - the Environment and Land Use Committee.

Information on the maps and publications which the British Columbia Land Inventory group of the Secretariat has produced to date is published periodically by the ELUCS in their "List of Available Publications", copies of which may be obtained from the Assistant Director, Resource Analysis Unit, ELUCS Secretariat, Parliament Buildings, Victoria, B.C., V8V 1X4.

Published (i.e., lithographed) cartographic data is produced for the following land capability sectors: Soils Capability for Agriculture; Forestry; Recreation; Wildlife-Ungulates; and Wildlife-Waterfowl.

A composite of the above and other data has also been published in the form of Land Capability Analysis Maps, of which several have been published to date covering various regions of the Province. The litho-graphed maps are produced [continued on p. 52]
ATLASSES CATALOGED AT UCLA

by

Anna F. Blustein
Associate Librarian (Cataloger)
University Research Library
University of California, Los Angeles

WORLD

  192 p. : col. ill., col. maps. ; 31 cm


-al Faruqi, Isma'il Rāqi A 1921-
  xviii, 346 p. ill. (some col.), col. maps. 29 cm.
  Includes bibliographies.
  ISBN 0-02-336400-9 MARC 73-16583


-Miller, Donald B
  iv, 237 p. (chiefly charts) 27 cm.

  MARC 72-691795

CANADA

-The national atlas of Canada. -- 4th ed.
  [xvi], 254 p. (chiefly col. maps), [12] p.; 38 x 28 cm.

Colored maps on lining papers.

Also published in French under title: L'Atlas national du Canada.

"The first printing of the fourth edition, ... [published by the Surveys and Mapping Branch of Canada, consisted] of loose sheets ... in a specially designed box. [This] bound volume supersedes the boxed sheets."

Bibliography: p. [1-12].


-Canada. Surveys and Mapping Branch.
- Topographical maps of Canada, illustrating geology and land forms = Cartes topographiques du Canada, illustrant la géologie et les formes du terrain / Surveys and Mapping Branch, Dept. of Energy, Mines and Resources. -- Ottawa : [1973]

Kerr, Donald Gordon Grady, 1913-  

I. Bond, Courtney C.J. II. Title.
LC Map 67-377  
[UCLA also has several copies of 1960 edition.]

British Columbia Natural Resources Conference.


United States

Baker, Simon  


II. Marschner, Francis Joseph, 1882- ....

McKee, Edwin Dinwiddle, 1906-  

1. Geology--United States--Maps. 2. Geology, Stratigraphic--Jurassic. I. Imlay, Ralph Willard, 1908- ....

Nebenzahl, Kenneth  
Atlas of the American Revolution / map selection and commentary by Kenneth Nebenzahl, narrative text by Don Higginbotham. -- Chicago : Rand McNally, 1974. 218 p. : ill. (some col.), 55 col. maps (1 fold. col. map in pocket); 39 cm. "In addition to this graphic coverage of the War of Independence, the atlas includes street plans of the principal cities of eighteenth century North America and regional maps ..."

1. United States--History--Revolution. 2. United States--History--Revolution--Maps. I. Higginbotham, Don. II. Title.

U.S. Forest Service.


CONTENTS: v.1. Conifers and important hardwoods, by E.L. Little, Jr.
Newton, John Garland, 1932-
1. Oceanography - Atlantic Ocean - Charts, diagrams, etc. ... 4. Shipwrecks - North Carolina - Maps. ... MARC 76-654656

xii, 187 p. : ill., col. maps ; 29cm.
1. Mississippi - Maps. 2. Mississippi Economic conditions - Maps. 3. Mississippi - Social conditions - Maps. ...

-Nelson (Thomas O.) Company, Fergus Falls, Minn.
166 p.(chiefly maps) 34 cm $12.50
1. Minnesota - Maps. I. Title. MARC 76-654613

-Beck, Warren A
[ix], 101 p. of maps, [23] p. ; 32cm. Text for each map printed on verso of following map. Includes bibliography.
1. California - Historical geography - Maps. 2. California - History. I. Haase, Ynez D. II. Title. $9.95 CIP 74-5952

-California. Division of Mines and Geology.

ix, 241 p. : ill., maps (chiefly col.); 28 x 38 cm. -- (Sea Grant miscellaneous report; UNIH-SEAGRANT-MR-74-01) Includes bibliographies.
1. Bays - Hawaii. 2. Harbors - Hawaii. I. Grace, Jean McKean. ...

-EUROPE

1. Europe, Western - Maps. 2. Europe, Western - Economic conditions - Maps. ...
EUROPE (Continued)

-Neundörfer, Ludwig, 1901-
Atlas sozialökonomischer Regionen
Europas = Atlas social et économique
des régions de l'Europe = Atlas of
social and economic regions of Eu-
rope / Herausgeber, Ludwig Neundörfer;
wissenschaftliche Bearbeitung, Dieter
Häring, Uli Herrnbrodt, Walter Menges —
-- Frankfurt am Main : Söziographi-
ches Institut am der Johann Wolfgang
Goethe-Universität, 1964—
1 v. : fold. col. maps ; 64 cm.
Issued in Lieferungen for loose-leaf
binder. German, French, and English.
Scale of maps chiefly 1:4,000,000.
Text on leaf facing map or on verso
of map. "Includes all European coun-
tries as far as the western border
of the Soviet Union."
1. Europe - Economic conditions —
1945—Maps. 2. Europe - Social
conditions - 1945—Maps. I. Häring,-
Dieter. ...

ASIA

-Jasbir Singh, 1932-
An agricultural atlas of India: a
geographical analysis. Kurukshetra,
xxvi, 856p. maps. 25 cm. Rs65.00
Sponsored by the Indian Council of
Social Science Research.
—The green revolution in India:
how green it is! [postscript to An
agricultural atlas of India: a geo-
 graphical analysis] Kurukshetra,
48 p. maps. 25 cm. Includes bibli-
ographical references.
1. Agricultural geography - India.
I. Indian Council of Social Science
Research. II. Title.
MARC 74-901096
[This is not a true atlas. It consis-
tes of text, primarily.]

-Singapore. Ministry of Culture.
Singapore guide and street directory,
with sectional maps / Ministry of
Culture, Singapore. -- 9th ed. --
330 p. : illus. (some col.), maps
(some fold. col.)
First ed. published in 1954 by Sing-
apore Survey Dept. under title:
Street directory and guide to Singa-
pore, with sectional maps.
1. Singapore - Description and travel
- Guide books. I. Singapore. Survey
Dept. Street directory and guide to
Singapore, with sectional maps.
II. Title.

-May, Herbert Gordon, 1904-
Oxford Bible atlas. - 2nd ed. / ed-
ited by Herbert G. May with the as-
sistance of G.N.S. Hunt in consul-
tation with R.W. Hamilton. - London ;
New York : Oxford University Press,
1974.
144 p. : ill., col. maps, col. plans,
ports. ; 26 cm. GB 74-16980
Includes index.
MARC 74-184843

-Nguyen Ngoc Bich
An annotated atlas of the Republic
of Viet-Nam / compiled by Nguyen Ngoc
Bich and the staff of the Information
Section, Embassy of Viet-Nam, Washing-
ton, D.C. -- Washington : Embassy of
Viet-Nam, 1972.
62 p. : illus., maps ; 28 cm.
1. Vietnam -Maps. 2. Vietnam -Descri-
United States. Information Office.
II. Title. III. Title: Atlas of the
Republic of Viet-Nam.
AFRICA

-Fage, John Donnelly
64 p. : 62 maps.
"First published 1958 ... Reprinted with amendments 1963 and 1965"
Includes bibliography and index.


-Mission du Transafricain, 1912.
Société d'Éditions Géographiques, Maritimes et Coloniales, 1924-25.
3 v. illus., fold.col.maps.


RHODESIA AND NYASALAND.

-Rhodesia and Nyasaland. Federal Dept. of Trigonometrical and Topographical Surveys.
Federal atlas / Federal Dept. of Trigonometrical and Topographical Surveys, Rhodesia and Nyasaland. -- Salisbury : [1964].
24 col. maps ; 81 x 69 cm.
Dates of maps vary (1960 through 1964).
Bibliographic information taken from maps.

1. Rhodesia and Nyasaland - Maps.

PACIFIC OCEAN

-National Marine Fisheries Service.
v. illus.,charts/maps. (Its Circular 330)
"An international cooperative investigation [Feb.1967 thru Mar.1968] of the eastern tropical Pacific Ocean... to provide data... for... effective use of the marine resources of the area, especially tropical tunas, and... to increase the knowledge of the ocean circulation, air-sea interaction, and ecology...."


[UCLA Map Library has v. 1-9. v.9 was issued February 1975; volumes 10 & 11 in preparation. Price is $4.75 per vol. from U.S. GPO] Compilers are principally of Scripps Institution of Oceanography, Univ. Calif., San Diego; La Jolla, CA.

[Continued from p. 47]

at either 1:250,000 or 1:125,000 scales. Detailed manuscript sheets covering various biophysical characteristics (e.g., soils, landforms, vegetation, growing season climate), interpretive data (e.g., climate capability for agriculture and forestry) and human and physical resources (e.g., present land use, and recreational facilities inventory) have also been completed. They may be produced as black and white osalid prints at either 1:126,720 or 1:125,000.

* Presented May 8, 1975 to the joint meeting of WAML/ACML, Vancouver.
Association of Canadian Map Libraries

The Ninth Annual Conference of ACML was held June 15 - 20, 1975 at Mount Allison University, Sackville, New Brunswick. The preliminary program was announced to include the following presentations:

Panel Discussion: "Evaluation of 1:250,000 N.T.S. Map Series"
Moderator: Lou Sebert, Energy-Mines & Resources Dept.

"The Land Registration & Information Service", by R. Simmonds, Manager, Systems & Planning Division.

"Maritime Resource Management Service", by C.W. Raymond, Director, MRMS.


"Annual Report - Energy, Mines & Resources", by Lou Sebert, DEMR.

"Annual Report - National Map Collection", by Betty Kidd, Chief, National Map Collection, Public Archives of Canada

Panel Discussion: "Cartobibliography"
Moderator: Lorraine Dubreuil, McGill University

Mr. Brad Fay, Head, Information Centre, Maritime Resource Management Service, Amherst, Nova Scotia [P.O. Box 310, Amherst, N.S. B4H 3E5] is the host.

The Proceedings of the Seventh Annual Conference, held June 25-30, 1973 at The Banff Centre, Banff, Alberta, has been published [date of issue, Nov. 74], and is available for CAN$5.00 from ACML, c/o National Map Collection, Public Archives of Canada, 395 Wellington Street, Ottawa, Ontario K1A ON3.

CONTENTS:
"To Mercator", by Roy Daniells
"Problems in map collections", panel discussion with:
"Early printed maps of British Columbia", by John D. Spittle
"The creation and evolution of interstate boundaries in the western United States", by Lynn L. Rosenvall
"David Thompson and his maps", by Victor G. Hopwood
"The computer mapping service of the Census of Canada", by Russell S. Page, and Karole E. Kidd
"Notes from the Surveys and Mapping Branch", by Lorne B. Leafloor
"Cartomatique and the Canadian map user", by Yves Tessier
"Minutes of the seventh annual business meeting"
"List of Delegates"
"Information about the A.C.M.L." & "A.C.M.L. Publications"
The Bulletin (No. 18, May 1975) of the Association of Canadian Map Libraries contains the following:

"Maps as constraints or springboards to imaginative thought: Future Maps of Canada", by David B. Knight, Department of Geography, Carleton Univ. Illustrations: Canada 1975 A.D., Canada 2000 A.D., Canada 2010 A.D., Canada 2080 A.D., maps by Stefan Palko, Cartographer.

"Early Canadian Cartography in the University of Illinois Map and Geography Library", by David Cobb, Map Librarian, Univ. of Illinois.

"Mapping the Oceans: some basic problems in marine cartography", by David Monahan, Canadian Hydrographic Service.

"Minutes of the Eighth Annual Meeting – June 10, 1974 – Toronto"
"Treasurer’s Report to May 31, 1974"; "Directory Committee Report";


Agenda of ACML Ninth Annual Conference, June 1975 Sackville.
Agenda of WAML/ACML Joint Meeting, May 1975, Vancouver.
Agenda of Special Libraries Association, Geography and Map Division, Annual Meeting, Chicago, June 1975.
Agenda of IFLA 41st General Council Meeting, Oslo, August 1975

Cataloguing Notes; Citation of New Publications; News Notes.

Included with this Bulletin mailing is a 12-page Membership List, December, 1974; and the Proposed Constitution and By-Laws, April 1975.

ACML Vice President Barbara Farrell, Carleton University, has been Editor of Bulletin[s] No. 16, 17, 18.

Geoscience Information Society

The GIS NEWSLETTER for March 1975 (No. 34) indicates that .... "escalating printing and mailing costs have made it necessary to shorten the number of GIS Newsletter issues per year. Beginning with [this] issue, the Newsletter will be published on a quarterly basis, in March, June, September and December."

This issue includes an announcement of a JOB OPENING [available August 21, 1975] as Assistant Geology Librarian, University of Illinois Library at Urbana-Champaign, Urbana, Illinois 61801. "Under the general direction of the Geology Librarian, has primary responsibility for the geology map collection. Selects, classifies, catalogs, and maintains the organization and quality of the map collection." [Salary not indicated] Apply to Robert F. Delzell, Director of Personnel. [Require M.S.L.S. w/geosciences background.]

The Bulletin, Vol. 9, No. 1, contains the note that Jack Render, Geography Department, Portsmouth Polytechnic, is the new Editor of the Bulletin. Alan Hodgkiss, University of Liverpool, had been the Editor since the Bulletin's inception.

Annual Subscriptions to the Society are £2.00 for overseas membership, or the Bulletin is available to non-members at the price of £1 per single copy and £2. for two issues (postage extra). Subscriptions should be sent to Mrs. E. Wilson, 45 Holders Hill Drive, London, NW4 1NL.


The SUCL Summer School in Cartography, its Eleventh Annual, will be held at the Portsmouth Polytechnic from 1st - 5th September, 1975.

In addition to the many fine reviews of books, atlases, and individual maps, the Bulletin always contains many items of interest to the map librarian. The general emphasis, of course, is toward that of the cartographer - but there is sufficient material of value to anyone working with maps that warrants a subscription.

Terry Garfield, Reviews editor, makes the following inquiry of WAML Members: "In a future issue of our Bulletin, I would like to include something on the availability of American maps both official and otherwise, and I wonder if ... [a Member of WAML] ... would be willing to provide an article for us along these lines." Articles for the Bulletin can be up to 10,000 words and may include drawings or photographs for reproduction in black and white. Contributions should reach the editor by the end of October or April for inclusion in the issues to appear in March and September, and should be typed, with double-spacing, on one side of the paper. Please contact Mr. Garfield at the Department of Geography, The University, Leicester LE1 7RH.
Abbreviations and Acronyms in the Mapping Sciences: A First Listing
see: Harry J. Steward, V.6,#1,p.27.

Acquisitions Lists
V.4,#3,p.54.
V.5,#1,p.38; #2,p.45.
V.6,#1,p.45; #2,p.55; #3,p.24.

Acquisitions Process
V.1,#2,p.11; #3,p.26.
V.3,#1,p.2.
V.4,#1,p.17; Elizabeth M. Rivero's "Acquisitions Problems and Solutions"

Acquisitions Sources
V.1,#1,p.6; #2,p.11; #2,p.36; #2,p.29; #3,p.41.
V.2,#1,p.1.
V.3,#1,p.16; #2,p.2.
V.4,#1,p.17, 56; #2,p.10, 26.
V.5,#3,p.46.
V.6,#2,p.46; #3,p.22.
see also: "New Mapping of Western North America" which contains ordering information when possible.

Administration of Map Collections
V.1,#2,p.11, 24; #3,p.12, 26.
V.3,#1,p.16; #2,p.2; #1,p.2.

Aerial Photography
V.2,#3,p.1: Panel Discussion.
V.3,#2,p.25, p.44.
V.5,#1,p.24; #3,p.20.
V.6,#3,p.31.

Alonso, Patricia A.G.
V.4,#3,p.22: Letter to Editor.
V.5,#1,p.23; #3,p.32.

Al-Hazzam, Elizabeth T.
V.4,#3,p.48: KWOC Index to the Map Collection, Hayden Library, Arizona State University, Tempe, Arizona.
V.5,#1,p.26: [same subject as above]
V.5,#3,p.45: Bench Marks!
V.6,#3,p.6: Bench Marks!

American Geographical Society
V.4,#2,p.29: Barbara Christy's "Map Classification:"
V.4,#2,p.18: Gail Neddermeyer's "Cataloging a Map Collection".

American Library Association
V.6,#2,p.39; #3,p.6: Janet Rudd,...

Ansari, Mary B.
V.5,#1,p.40: "Planning a Modest Map Room for the University of Nevada, Reno Library".
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