Western Association of Map Libraries

"...to encourage high standards in every phase of organization and administration of map libraries..."
The Information Bulletin is published at Santa Cruz, California, three times per year by the Western Association of Map Libraries, but opinions expressed herein do not necessarily reflect an official position of WAML.

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 in the Principal Region may attend meetings, serve as an Officer, vote, and receive the Information Bulletin and announcements of meetings. $10.00 per year.

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WESTERN ASSOCIATION OF MAP LIBRARIES (WAML)

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Berkeley, California 94720

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University Map Collection
Department of Geography
University of Alberta
Edmonton T, Alberta

* 2-year term appointment
$ 1-year term appointment
Δ 1-year term elected
± indefinite appointment

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$ Muriel Strickland 714 286-5845
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$ Maureen Wilson 604 228-2231
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University Library
University of British Columbia
Vancouver, B.C. V6T 1W5
EDITOR'S MESSAGE

Review Editor Appointed

I am very pleased to announce the appointment of a Review Editor of the Information Bulletin: Sandra Lamprecht, Map and Geography Librarian, California State University, Long Beach.

Sandy has, in addition to being a frequent contributor to this journal, served other publications as a reviewer. I feel quite fortunate, and I am confident that her leadership will benefit each of you. It has been my hope for a long time that our review section of books and atlases could be substantially improved in quantity and quality. Whereas we have had many fine contributions from reviewers, I have provided far more than an Editor should. Furthermore, there are many items that have been ignored.

Guidelines for reviewers are being developed by Sandra, and once reviewers have been identified the process from solicitation of publishers to solicitation of the reviews will be entirely coordinated by her.

All interested WAML Members and Information Bulletin readers are invited to send a résumé and qualifications, and an indication of areas of interest, directly to:

Sandra Lamprecht
Map & Geography Librarian
The Library
California State University
Long Beach, California 90840

NMWNA To Be Expanded

New Mapping of Western North America has been in need of a rejuvenated effort. I am convinced that there are many new maps being produced within our WAML Region that have escaped our attention, simply because we are not taking the initiative to report.

Criteria and procedures for Contributions to NMWNA have been developed as follows:

1. Report maps depicting areas within the WAML Region.
2. Report maps that have been published since 1975.
3. Emphasize maps produced by relatively unknown publishers or non-commercial sources; i.e., maps produced for in-house use, or community promotional material including Chambers of Commerce. NOTE: Do not report USGS maps that appear in its monthly list of New Publications.

It is my hope that there will be at least one reporter for each State and Province within the WAML Region.

Volunteers are invited to contact The Editor immediately,
so that a supply of cards (shown below) can be forwarded. By the time the next issue is published, it is my hope that this important feature will have a new life-blood.

When ever a new map comes to your attention, especially one produced within your own State or Province - or one depicting your own State or Province - just fill-out a card and send it to the Editor. YOUR CONTRIBUTION WILL BE ACKNOWLEDGED IN PRINT.

Deadlines for submitting Contributions to NMWNA will be the same as for other copy: Issue No. 1 - October 1st; Issue No. 2 - February 1st; Issue No. 3 - May 1st. Contributors may, however, choose to send Contributions individually as they come to your attention, or batch all Contributions and send them together to meet the deadline.

The cards depicted below indicate the essential data that will be included; however, more extensive annotations are welcome and will be reported.

CONTRIBUTION TO NEW MAPPING OF WESTERN NORTH AMERICA

1. ____________________________
   author or authority responsible for content

2. ____________________________
   title (or supply title representing area)

3. ____________________________
   place of publication / date of publication

4. ____________________________
   name and address of publisher or source

include Postal Code & Phone Number as available

5. ____________________________ 6. ____________________________
   cm. size (height x width)        scale

7. ____________________________ 8. ____________________________
   price or "Free" or "Not Free"     remarks

if remarks are extensive, please submit a separate

sheet with details 9. ____________________________
   your name
DESIGN FOR COMBINING A MAP ROOM WITH
A REMOTE SENSING/CARTOGRAPHIC LABORATORY

by

Larry G. Carver
Head, Map & Magery Collections
University Library
University of California
Santa Barbara

Remote sensing materials have rapidly become a resource needed by many
campus researchers. Deciding how we could provide adequately for the use of
aerial photography and scanned imagery was the task that faced us at the
UCSB Map Library during the initial planning phases for construction of a
new library building. The design that evolved for bringing together maps,
imagery, and equipment necessary for their effective use has proven to be a
success. This design is described briefly here for those who may be inter-
ested in how we have dealt with this new type of research material.

This past year, the library at the University of California, Santa Bar-
bara opened a remote sensing laboratory in conjunction with its 400,000+
collection of maps and imagery/aerial photographs. The combining of library
collections with a centralized remote sensing laboratory for the multi-discipli-
ary use of the materials is believed to be unique among public institutions
in the United States. The highlights of the Imagery Laboratory, the Map Room,
the specialized remote sensing/cartographic equipment, and the materials con-
tained in our collections are described in the following paragraphs.

Most labs are set up to perform a specific research or teaching function,
oriented towards a specific discipline or academic department. Because of
the broad inter-disciplinary appeal of cartographic and remote sensing materials
and equipment, and because of the enormous expense of proliferating and main-
taining these kinds of items in several departments, this unit was generated
within the campus library to centralize and combine the collections of maps
and imagery with the viewing, interpretation, and data transfer equipment.

It is not unusual for a library to accumulate both maps and imagery;
what is unusual in this library unit is the high level of data manipulation
that can be performed in the laboratory, the consistent collections develop-
ment effort to create map, atlas, and imagery collections that complement each
other, and having all the collections and equipment located within the same
department so they can be used together. Another feature of this unit is the
broad spectrum of services that are available to all library patrons, whether
they are from the University, other governmental agencies, or the general
public. These services range from advising patrons on the availability and
cost of materials to providing use of and training on state-of-the-art equip-
ment for the viewing, interpreting, and transferring of data on maps and im-
agery. One of the important design features of the facility is its flexibil-
ity in being able to accommodate an entire class, a workshop, or an individual
user with equal ease.
THE COLLECTIONS

The Map & Imagery Library contains the following materials in its collections: maps, imagery, atlases, related reference books, and vendor catalogs.

The Map Collection consists of 227,000 sheets, is worldwide in scope, and is multi-disciplinary. The geographic areas of emphasis are North America (with primary interest in the U.S. and Mexico), Oceans, Central and South America, and Europe. The emphasized subjects are topography, the physical sciences (especially geology, soils, and vegetation), bathymetry including nautical charts, land use, city plans, and general overviews, such as nationally produced geographic maps of a country. In addition to map sheets, this collection also contains the texts which accompany many of the maps.

The Imagery Collection contains 185,000 frames of imagery including both aerial photographs and scanned images. California is the primary area of interest with the following sub-areas emphasized: the counties of Santa Barbara, Ventura, and San Luis Obispo; the lower Central Valley; and the coastal areas. The majority of the formats are: (1) NASA high/medium altitude color infrared and high resolution black & white positive transparencies, (2) low altitude color and black & white prints and positive transparencies, (3) photography and scanned imagery from the following satellites: Landsat, Skylab, NOAA, Apollo, & Gemini, (4) photo indexes consisting of photo-mosaics, flight lines, and NASA Flight Summary Reports, and, (5) USGS microform cumulations.

The Reference Book Collections are made up of atlases (both general and thematic, with an emphasis on national, state, and ocean atlases), gazetteers, map bibliographies, and geographical and physical science dictionaries.

The Vendor Files contain information on approximately 4000 publishers, producers, and distributors of maps, imagery and atlases. The Vendor Material File contains the vendor catalogs, price lists, and publication announcements which are used by patrons and staff to determine availability of materials, ordering procedures, price information, and bibliographic descriptions. The Vendor Address File is a listing of the addresses for these vendors along with the last date we sent or received an item from that address. It also indicates if the vendor has stopped publishing or uses another distributor. Both of these files are controlled by a Vendor Authority File which contains extensive cross references for variant names, sub-units of corporate bodies, and multi-country distributors.

IMAGERY LABORATORY DESIGN

The Lab consists of three rooms, the Imagery Storage Room, the Main Equipment Room, and the Light-tight Room. The Imagery Storage Room is designed to accommodate imagery and imagery indexes under controlled climate conditions of 60 degrees temperature F, and 50 percent humidity. The room will hold approximately 500,000 images. The Light-tight Room is used for projection instruments which need darkness to maximize their capabilities. Examples of these instruments are the Map-O-Graph and the Mini Addcol, an additive color viewer. The Main Equipment Room has independent lighting, climate and electrical circuit controls. It has 70-feet of sliding blackboard/display panels, overhead lights balanced to both 5000K and 7500K color temperature, and a nine-foot wall-mounted projection screen. The Lab has patron seating space for 36 at lab positions or for 72 when used as a classroom or workshop area.
MAP ROOM FEATURES

The Map Room is a separate, large room which adjoins the Imagery Lab. It has 100 stacks of 3-high Hamilton 3J15 map cases, 24 five-drawer broadside files for the folded materials, 60 feet of 18-inch wide, ceiling-high atlas shelves for rare, easily damaged, or heavily used reference materials, and 88 feet of map railing attached to the walls for large, oversized maps. There is also an 8' x 36' patron work table which seats 36. Within the Map Room is a separate 500 sq.ft. staff work area where all of the processing functions are performed.

SPECIALIZED EQUIPMENT

The Imagery Lab contains state-of-the-art viewing, interpretation, and data transfer equipment. The instruments can be divided into three types. The first type includes those which are used for viewing imagery at various levels of magnification in either a monocular or stereoscopic mode to enable a user to identify selected features and/or to observe changes in those features, their relationship, or their orientation over a selected time span. The second group is comprised of instruments which are designed for the generation of original works (e.g., a tracing, a drawing, graph, photograph, map, etc.) or for the transferring of selected information from one item to another (e.g., from a photograph to a map or vice versa, or from one map to another of a differing scale). The third type includes support items which can be used for drawing or measuring the gathered data. As of this writing, no digital processing can be performed in this unit. A listing of the major pieces of equipment in the lab, along with their general uses, follows this text.

USE OF FACILITY IS ENCOURAGED

The growth of the collections and the Map & Imagery Library reflects the University’s changing departmental needs and programs. The traditional heavy users of maps and aerial photographs (i.e., people from the Geography, Geology, History, and Political Science departments) have already been joined by Environmental Studies, Anthropology, Biology, and Art—in short, a full spectrum of campus interests. As the capabilities of the facility have become known, the use by researchers from private industry and governmental agencies from all over California has steadily increased.

Our materials are non-circulating and our users are helped on a first come, first served basis; however, appointments to discuss individual needs are welcomed and advisable. There is no charge to anyone, including the general public, for the use of the equipment or materials; however, prior certification by our staff on the lab instruments is required before use. Appointments for this training should be made ahead of time. Tours and workshop sessions can be made available to groups if arrangements are made in advance. Anyone interested in more detail on our unit or who would like to arrange for a tour should contact Larry Carver, Map & Imagery Collections, University of California, Santa Barbara, CA 93106, telephone (805) 961-4049 or 961-2779.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL/MANUFACTURER</th>
<th>PURPOSE</th>
<th>FORMATS ACCOMMODATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. INTERPRETATIVE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stereoscope</td>
<td>*B&amp;L AR-51 (2)</td>
<td>Stereoscopic viewing of imagery at 0-38 x (power magnification) for feature identification</td>
<td>positive/negative 70mm-5&quot; transparencies</td>
</tr>
<tr>
<td>Stereoscope</td>
<td>B&amp;L AR-27</td>
<td>Stereoscopic viewing of film at 0-38x for feature identification</td>
<td>positive/negative 5&quot; to 9&quot;x18&quot; transparencies</td>
</tr>
<tr>
<td>Stereoscope</td>
<td>B&amp;L 240Z</td>
<td>Stereoscopic or monocular viewing of imagery at 0-60x/stereo mode or at 0-120x/monocular mode for feature i.d.</td>
<td>70mm-9½&quot; positive/negative transparencies or prints</td>
</tr>
<tr>
<td>Stereoscope</td>
<td>Kail Mirror Scope</td>
<td>Stereoscopic viewing of imagery at 2.5x for feature identification</td>
<td>9&quot;x9&quot; prints</td>
</tr>
<tr>
<td>Monocular Scope</td>
<td>B&amp;L Mono Zoom Scope</td>
<td>Single frame viewing at 0-15x for feature identification</td>
<td>all formats</td>
</tr>
<tr>
<td>Multi-spectral Color Combiner</td>
<td>*TIS 6040PT Mini-Addcol</td>
<td>Artificial color combining of multispectral imagery for feature enhance-</td>
<td>positive/negative 70mm-5&quot; transparencies</td>
</tr>
<tr>
<td>Roll Film Viewer</td>
<td>Hoppmann EV-1</td>
<td>Magnified film expansion at 8.5x and 19.3x for feature enhancement</td>
<td>positive/negative 35mm-9½&quot; roll film</td>
</tr>
<tr>
<td>2. TRANSFER**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overhead Viewer</td>
<td>Map-O-Graph 55C</td>
<td>Enlarging or reducing up to 5 times of any material for manual transfer</td>
<td>any format, including roll film</td>
</tr>
<tr>
<td>Overhead Viewer</td>
<td>Map-O-Graph 55C-2</td>
<td>Enlarging or reducing up to 5 times of any material for manual transfer</td>
<td>any format, including roll film</td>
</tr>
<tr>
<td>Monocular Transfer Scope</td>
<td>B&amp;L ZTS-4-H with photo accessories (2)</td>
<td>Enlarges photo or map 0-14x and allows for anamorphic (stretch) correction and image rotation; composite image may be photographed</td>
<td>any format</td>
</tr>
<tr>
<td>Stereo Transfer Scope</td>
<td>B&amp;L Stereo ZTS with photo accessories</td>
<td>As above, but has stereo capabilities</td>
<td>any format</td>
</tr>
</tbody>
</table>

* B&L = Bausch & Lomb; TIS = International Imaging Systems; K&E = Keuffel & Esser Company
** Most transfer equipment can also be used for interpretation.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL/MANUFACTURER</th>
<th>PURPOSE</th>
<th>FORMATS ACCOMMODATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. TRANSFER (cont')</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-spectral Color combiner w/exposure control unit</td>
<td>*I₂S 6040P Mini:Addcol</td>
<td>Allows artificial color generation of multi-spectral imagery transferring results to film or tracing</td>
<td>70mm &amp; 5&quot; transparencies</td>
</tr>
<tr>
<td>Copy Camera</td>
<td>Polaroid MP-4</td>
<td>Photographic copying w/4&quot;x5&quot;, 2½&quot;x3½&quot;, &amp; 35mm film holders</td>
<td>any format</td>
</tr>
<tr>
<td>3. SUPPORT ITEMS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variable illumination light tables w/roll film holders</td>
<td>Richards Light Tables 10&quot;x40&quot; (3)</td>
<td>Viewing of transparencies</td>
<td>transparent film up to 10&quot; wide</td>
</tr>
<tr>
<td>General purpose light/tracing tables</td>
<td>Hamilton Light Tables 36&quot;x48&quot;(3)</td>
<td>Viewing transparencies or tracing</td>
<td>any format</td>
</tr>
<tr>
<td>Drafting table and machine</td>
<td>Hamilton table w/ K&amp;E drafting mach.</td>
<td>Precision drafting or tracing</td>
<td>any format</td>
</tr>
<tr>
<td>Roll film holder for ZTS 4-H</td>
<td>Designed &amp; built by Larry Carver</td>
<td>Allows roll film to be used on the mono transfer scope</td>
<td>70mm - 9½&quot; roll film</td>
</tr>
<tr>
<td>Illuminators</td>
<td>B&amp;LE General Purpose Illuminators</td>
<td>Provides spots of intense light for viewing prints under stereo or mono scopes or to provide more concentrated fields of light for photographing</td>
<td>any format</td>
</tr>
<tr>
<td>Polar Compensating Planimeter</td>
<td>LASICO Series 50 w/digital readout</td>
<td>High precision linear or area measurement w/automatic scale adjustment</td>
<td>any format</td>
</tr>
<tr>
<td>Polar Compensating Planimeter</td>
<td>K&amp;E Paragon, manual</td>
<td>High precision linear or area measurement</td>
<td>any format</td>
</tr>
<tr>
<td>Lettering sets, dividers, map measures, drafting scales, &amp; accessories</td>
<td>various</td>
<td>Aids for drawing, drafting, tracing, or measuring</td>
<td>any format</td>
</tr>
</tbody>
</table>

* B&L = Bausch & Lomb; I₂S = International Imaging Systems; K&E = Keuffel & Esser Company
California Governor Jerry Brown visited the UCSB Map & Imagery Collections on March 14, 1978. Here he is being shown techniques for viewing remote-sensed imagery on a light-table equipped with a stereoscope by Dr. John Estes, Head, Remote Sensing Facility, Department of Geography, UCSB. At far right, an unidentified viewer shares the moment.
Herbert F. Cornelius, Special Collections Librarian, Macquarie University, New South Wales, Australia, at the Sixth Annual Conference of the Australian Map Curators' Circle (15 - 17 February 1978), presented the findings of his study on "Education for Map Librarians".


Cornelius wrote to 78 directors of schools of librarianship, map librarians and other individuals in the United Kingdom, Europe, United States, Canada, New Zealand, and Australia. He received a 79% response. His survey indicates that the situation in North America "... does not appear to have altered greatly since the publication in 1976 of Walter Ristow's article 'Map Library Education in the United States and Canada'". (SLA Geo. & Map Div. Bull., 104: 38-41, June, 1976).

He notes the situation in Australia: "There are no fully-developed courses on map librarianship as such, but replies from Schools of Librarianship at the following [four institutions] indicate some special attention is given to the subject."

His presentation includes a proposal on "what" should be taught, and "how", in courses for map librarianship.


He concludes with the observation that "Everyone can at least assume that patrons will be directed more and more to the microfilm reader and less often to the original map or plan. To say that mapping agencies will soon start to produce only microforms instead of hard copies is certainly not speculation."

This is a basic survey of previous pilot projects in microfilming of maps and a description of the program at the National Map Collection. He also give some advice on film format, discusses "Why microfilm ...?", refers to standards being developed for microfilming of cartographic material, color microfilming "... should not be eliminated" from consideration - but take a wait and see stance to "... develop ... sufficient expertise with black and white", and offers his preference for using the 105mm film format.


A delightfully written, tongue-in-cheek and humorous, commentary on road maps: "All the roads are shown, also mountains, rivers, lakes, campgrounds, blah, blah, blah ad nauseum."
Richard W. Stephenson, Head, Reference and Bibliography Section, Geography and Map Division, Library of Congress, on March 31, 1978, at a map workshop sponsored by the Texas Chapter, Special Libraries Association, in Houston, Texas, delivered a review and update of "Map Collections and Map Librarianship in the United States". His presentation was published in Special Libraries (Vol. 70, No. 3, March 1979, pp. 117-126).

The University of Wisconsin-Extension is the parent body responsible for the Wisconsin Geological and Natural History Survey. The Survey was created in 1897 by the Wisconsin legislature and has been part of the U of W system since 1931. The 1979 List of Publications, published by the Survey, is virtually a bibliography on Wisconsin. Books and Reports, Maps and Charts, Publications by the U.S.G.S., and Publications by Other Organizations cover the broad mission of the Survey: to inventory, investigate, and interpret Wisconsin's geologic, water, soil, and biologic resources. Copies of the List of Publications may be obtained from 1815 University Avenue, Madison, WI 53706.

The U.S. Geological Survey, Topographic Division, 345 Middlefield Road, Menlo Park, California 94025, (as reported in the last issue, p. 160) has published a set of Land Use Data and Analysis (LUDA) maps on 105mm microfiche.

In an effort to obtain user input about this new series, particularly as it appears on microfiche, the Chief of the Branch of Plans and Production, James E. Chamberlain (who spoke to the WAML meeting in Menlo Park) invited comment - to which I replied - : I found the format and film reduction acceptable, but found gaps in the information; e.g., the quads covering San Mateo County (California) contain land use and land cover information for only the San Mateo portions of the quads; therefore, coverage of the balance of the area covered by the quad (i.e., the Santa Cruz County and Santa Clara County portions) was blank. The LUDA map inventory didn't indicate this gap in information, nor did the general brochure produced when the series was first introduced identify this as a potential problem.

Mr. Chamberlain responded to this situation (May 17, 1979) by indicating that:

"The 1:24,000-scale land use maps in San Mateo County are the result of a reimbursable agreement between the U.S. Geological Survey (USGS) and the County, by which the County fully reimbursed the USGS for compilation of the land use data only within the County boundaries. No additional capacity or funds were available to compile the land use data outside the County boundaries.

"The 1978 Land Use brochure was printed before the special San Mateo maps were made. This brochure describes the larger scale 1:250,000 and 1:100,000 land use maps which are considered standard products. In the future when we describe LUDA materials, we will make an effort to append information about the 1:24,000 maps, including the fact that land use information does not extend beyond the San Mateo County line."

Ted Arnow, chief of the USGS Water Resources Division Utah District in Salt Lake City, is author of a report "Water Budget and Water-Surface Fluctuations, Great Salt Lake, Utah" released as USGS Open-File Report 78-912.

The report indicates that, despite public fears at various times that the Great Salt Lake might either dry up or rise enough to flood Salt Lake City, the level of the lake has fluctuated within a range of only 20 feet since 1847.

The Great Salt Lake is a remnant of the much larger prehistoric Lake Bonneville, which covered much of western Utah and small parts of Idaho and Nevada during the Great Ice Age as recently as 12,000 years ago. The present lake is in a natural basin with no outlet, and thus the salt content of the lake water has built up over the centuries.

G. K. Hall & Co., the Boston publisher of library reference works, has announced a massive publishing program which will photographically reproduce the New York Public Library's nine-million-card public catalog.

Two editions are being planned: in book form the printed catalog will consist of some 800 volumes; a microfilm edition is also being planned. Its title will be: Dictionary Catalog of the Research Libraries of the New York Public Library, 1911-1971. In 1971 the catalog was "frozen", and all books added to the Library since that time have been listed in a computer-produced catalog which is continuously updated.

Publication will begin in mid-1979 and continue for four to five years. The 800 volume set is available to U.S. libraries for $24,000.

Mary Larsgaard, Map Librarian, Colorado School of Mines, reports on a new periodical: The Photogrammetric Coyote

The current issue includes an article by Rupert Southard, U.S.G.S., discussing the USGS mapping programs. On page three, Southard is quoted as identifying the 1:24,000 - 7.5 minute topographic quad series - as being "a twenty-year plan since 1920", and the program now has 7-years before it is completed - that it currently is 96% complete.

Other articles of interest relate to the Bureau of Land Management having its funds for mapping curtailed.

The Photogrammetric Coyote, Mineral Wells Industrial Complex, Route 3, Headquarters Building #228, P.O. Box 1119, Mineral Wells, TX 76067.

Portia Chambliss, UCLA Map Library, and Editor of the UCLA Map Library Newsletter and Selected Acquisitions, has reported that beginning with the July-September 1978 Newsletter (Vol. 3, No. 1) it will be published on an irregular basis rather than strictly on a quarterly schedule. She will strive to publish it as closely to a quarterly basis as possible, but the Map Library's work load and staff shortages will not permit adherence to the quarterly schedule.
In preparation for the 1980 census, a graphic theme, or logo, has been developed by the Bureau to symbolize the next nationwide canvass of America's population and housing.

The logo shows a pencil inscribed "April 1" filling in the zero in the words "Census '80." The logo illustrates two key aspects of the 1980 census—that it will be taken as of April first that year, and that the census is please-fill-it-out-yourself in concept.

Every household in the country will receive a census form in the mail a few days before April 1, 1980, and will be asked to complete the questionnaire covering the living quarters and everyone living in them. Most questions will be answered by filling in with a pencil a small blank circle next to the most appropriate answer. The forms are machine-readable, greatly reducing time costs in handling the forms and in tabulating summary statistics about the U.S. population and its housing.

The Census '80 logo will be featured in a wide variety of promotional material reaching the public in the months leading up to the actual count, including television public service announcements, posters, billboards, and magazine ads.
The Map Society of California met in San Francisco on March 17, 1979 at the University of San Francisco. The Nominating Committee, composed of Leonard A. Magazine, Chair, June Mayfield, and Margaret Sowers, presented the following nominees, who were elected by the members assembled by acclamation:

**President**
Norman J.W. Thower  
Professor of Geography  
University of California  
Los Angeles

**Vice President for Northern California**
Robert E. Winter  
Department of Geography  
California State University  
Hayward

**Vice President for Southern California**
Sandra Lamprecht  
Map & Geography Librarian  
California State University  
Long Beach

**Secretary**
Stuart Auchincloss  
Redwood City

**Treasurer**
Richard Hansen  
(12410 New Airport Road, Auburn, CA 95603)

Terms of office are for one year, beginning September 1, 1979.

**Income Tax Deductibility - Incentive to attend WAML meetings?**

U.S. Treasury Regulation 1.162-5 permits an income tax deduction for educational expenses (registration fees and cost of travel, meals and lodging) undertaken: 1) to maintain or improve skills required in one's employment or other trade or business, or 2) to meet express requirements of an employer or a law imposed as a condition to retention of employment, job status or rate of compensation.

For additional details see Publication 508, "Tax Information on Educational Expenses", 1978 ed., Department of Treasury, Internal Revenue Service. This publication is available at no charge at local IRS offices.

"Those who chart our vast lands explore vital new frontiers", by P. F. Kluge, appears in the March 1979 issue of *Smithsonian* (pp. 40-53).

Mary Larsgaard indicates that this is an article about U.S.G.S.
Robert H. Power, Nut Tree, California, past president of the California Historical Society, member of the Sir Francis Drake Commission, has published his "A Study of Two Historic Maps (London 1589) and Washington 1856; XIXth Century Plan of Sir Francis Drake's Port of Nova Albion favorably compares to modern chart of San Francisco Bay".


His study was presented to a Members Meeting of the California Historical Society in San Francisco on June 1, 1978. It was revised and published in September 1978 in an edition of 500 copies, of which 110 are designated as keepsakes for the 1978 Joint Meetings of the Roxburghe and Zamorano clubs.


Dr. Ristow plots the path of two dedicated surveyors, Robert P. Smith and John H. French, as they attempt to prepare accurate maps of New York and its over 60 counties during the 1850s.

Smith and French published maps and an atlas giving a complete history, description, and statistics of every county, city, and town in New York State.


Seventy-five maps and other cartographic items were displayed. Three engraved copper plates used to print an early topographic quadrangle and a lithographic stone used to print a map of the Yukon River were among this displayed works. New USGS products were also exhibited.

Donald A. Wise, Chief, Acquisitions Unit, Geography and Map Division, Library of Congress, published an article entitled "Cartographic Sources and Procurement Problems" in the May/June 1977 issue of Special Libraries. Only Appendix D was printed with that article. Since then, all of the appendices (including D) have been published in the Bulletin of the SLA Geography and Map Division. Your attention to these will be well worth your time and effort.

#112 C: Selected List of International Dealers in Out of Print Maps & Atlases.
#113 D: Selected List of U.S. Dealers in Out-of-Print Maps and Atlases.
E: Selected Special Subject or Area Bibliographies Relating to Maps & Atlases.
#114 F: List of National Bibliographies containing references to atlases & maps. (updated to January 1979)
I: Sources of Official State Maps
J: Selected United States Private & Commecrical Map Publishers
K: Selected sources for maps published by international organizations.

continued on p. 258
MAP LIBRARIANS SPEAK OUT -- AND USGS/NCIC LISTENS

by

David A. Cobb
Map Librarian
University of Illinois - Urbana

The need for cartographic communication and the importance of the map user has become a timely topic of discussion among cartographers, their professional associations, and major map publishers. At no time has this need ever included the relationship of the "middle-man", the map librarian, and their link between the cartographer and the user - until recently that is. Numerous interfaces with map librarians have existed in Australia, Canada, and Great Britain over the last few years; but similar relationships have never surfaced in this country. There is little doubt that the fault lies not only with the federal map producers, but equally with this country's map librarians.

The Beginning

It took the creation of the National Cartographic Information Center and a visit to the New York SLA meetings in 1977 by its Acting Chief to begin this change. For the first time, in my memory, a representative from the U.S. Geological Survey was coming to an SLA G & M meeting to discuss their cartographic products. This gentleman, who was a last-minute substitute, turned out to be Mr. Gary North, who was to become Chief of NCIC shortly thereafter.

His paper, which was illustrated with numerous slides of USGS cartographic products, proved to be the beginning of an involvement with the SLA Geography and Map Division, and other map librarians, that many of us had only dreamed of before. His willingness to sit and listen to our complaints, criticisms, suggestions and ideas, led him to believe that a separate meeting of map librarians and NCIC representatives was needed.

Further Initiatives

Most of us were pleasantly surprised to receive an announcement that there would be a meeting of map librarians and NCIC representatives in March 1978. A Denver location was chosen to accommodate the WAML membership, although a misunderstanding caused the announcements not to be sent to WAML members, therefore, only those holding dual memberships were notified of this important meeting. Once again, cartographic products and various automated systems were shown and described to the 40 map librarians attending. Although we had given the Head of the Distribution Section a rough time during one of the sessions, we were appropriately "humbled" as he gave a guided tour of his Denver facility and its 60-million maps! It was quickly revealed, and continually reinforced at this meeting, that map librarians knew considerably more about USGS and NCIC than was realized, although it became increasingly apparent that NCIC/USGS knew very little about map libraries and their role as a vital communication link to the user. Unfortunately, we as map librarians were as disorganized as USGS. We were discussing various issues with such rapidity that neither we, nor they, were able to isolate any of them and deal with them
individually. Actually, USGS had organized. They had formed NCIC to deal with these specific types of problems, even though they had not considered map libraries as users! Map librarians, on the other hand, were loosely organized and were represented by those with individual concerns. Nevertheless, collectively we made an impression, and Mr. North promised another meeting — this time with higher officials at the National Center.

Map Librarians Act

As SLA met in Kansas City, discussions continued toward formalizing our relationships with USGS and a paper even called for a committee to be formed to work with the National Cartographic Information Center and the Library of Congress Geography and Map Division. As these committees were discussed, an informal group of map librarians continued to maintain the momentum gained since the New York SLA meetings. Another meeting was scheduled, this time to coincide with the International Cartographic Association's meetings in Washington during July 1978.

Eight map librarians (Helen J. Armstrong, David A. Cobb, Mary Larsgaard, James O. Minton, Jerry Post, Charles A. Seavey, Paul W. Stout, and Alberta Wood) met with nine staff members of the USGS Topographic Division and the Publications Division. Although still only representing a "concerned citizenry of map librarians", we had prepared an agenda for this meeting including the following topics: 1) the value of map user studies to the National Mapping Program; 2) additional products being added to the Depository Program; 3) the NCIC Newsletter; 4) the status of the state gazetteers; 5) the Land Use-Land Cover series; 6) orthophotograph distribution; 7) map sheet numbering systems; 8) traveling exhibits; 9) catalog and microfiche products from various NCIC Information Systems; and 10) additional information on topographic map symbolology. An official set of minutes (3p.) was kept and distributed to attendees soon after the meeting.

G & M Division Formalizes Tie with NCIC

In the fall of 1978, the SLA G & M Executive Committee created two Professional Concerns Committees: one to work with USGS/NCIC and the other with the Library of Congress Geography and Map Division. Appointed to the USGS/NCIC Committee were David A. Cobb (Illinois)(Chairman), Charles A. Seavey (Northern Iowa), Stanley Stevens (California at Santa Cruz), Mai Treude (Minnesota), and Kathleen Zar (Chicago).

It became quite apparent to this Committee that a questionnaire was in order if we were to accurately represent map libraries to USGS. The questionnaire included requests for statistics on USGS depository collections and questioned library needs and uses of USGS products. With this information, the Committee met with USGS representatives again in February 1979. The meeting was scheduled to review the status of action-items from the July 1978 meeting, to report on the Committee's questionnaire, and to present our proposal for a national map-sheet numbering system. A set of minutes from the February meeting, containing 16 pages, reflects the continued improvement of the Committee's input and the development of its advisory status. We have changed our name to SLA G & M Cartographic User's Advisory Committee to the U.S. Geological Survey and have established unofficial contacts with the American Library Association and the Geoscience Information Society to broaden the
base of our input.

The Future

In summary, the Cartographic User's Advisory Committee has begun a dialogue with the U.S. Geological Survey which has been long overdue, and this dialogue will soon begin to benefit all of the USGS depository libraries. The Committee believes it is beginning to have an effect on the mapping and public relations programs of the U.S. Geological Survey. With continued cooperation from USGS/NCIC, and additional input from map librarians, the Committee can truly represent our needs and improve the relationship of libraries with the Survey. We have spoken out for map libraries, and to our pleasant surprise, we have not only been listened to, but have been asked for advice -- the future is promising!

Joint Project launched to Build data base of u.s. marc data elements

In an effort to encourage uniform usage of MARC (Machine-Readable Cataloging) tags in the various bibliographic record formats, the Library of Congress and the Research Libraries Information Network (RLIN), formerly known as BALLOTS, are jointly building a data base describing the U.S. MARC data elements, that is, content designators (tags, indicators, and subfield codes) used in Library of Congress MARC records. The data base is being built under Stanford University's generalized data base management system, SPIRES, and represents an expansion of the BALLOTS Data Elements Dictionary which is maintained by RLIN in machine-readable, text-editing form.

Initially, the Library of Congress will use the data base as a tool for maintaining specifications for the U.S. MARC formats for book, film, manuscript, map, music, and serial materials and for producing a variety of publications, including new editions of the MARC formats. Other uses, such as a data dictionary from which data structures for Library of Congress computer programs can be derived, are also under consideration.

At the same time, RLIN will use the data base in preparation for an extensive system upgrade, the Network File System, which will support all MARC formats. The data elements data base will also contribute to the expansion of the kinds of information accessible on-line through the Research Libraries Group (RLG) network.

The data base is currently composed of information publicly available in various documents published by the Library of Congress, some of which are out of print, and most of which require multiple addenda to be considered up-to-date. With the passage of time, conflicts in descriptions or examples have crept into the formats, as have various other discrepancies. Therefore, the Library of Congress is editing the information to identify these inconsistencies and is adding comments on the evolution of specific data elements, tag repeatability, and current format practice. Elaine Woods, formerly of the MARC Development Office, has been retained by the Library to edit the information which will then be reviewed by Library of Congress staff.

RLIN will manage the data base and will provide programming support for the editing process and for producing tape or camera-ready copy for publication by the Library. Initially, the data will be made available to the library community as a loose-leaf publication which will provide an integrated U.S. MARC format for all bibliographic materials currently described in specific MARC formats, that is, for books, films, manuscripts, maps, music, and serials. Publication of this integrated format is scheduled for later this year. Distribution will be handled by the Library's Cataloging Distribution Service. More details on this publication will be issued at a later date.

Library of Congress
Information Bulletin
April 6, 1979
Vol. 38, #14 pp. 125-6
ATLASES - BRIEF REVIEWS

by

Sandra J. Lamprecht
Geography and Map Librarian
California State University
Long Beach

(Ref G 2679.30 A8 1975)

Ethnic groups, climate, industries and tourism are four of fourteen subjects covered in this small atlas of Upper Volta. Also included are graphs, text, and an index. In French.

(Ref G 2620 A8 1977)

This atlas of the People's Republic of the Congo is part of "Les Atlas Jeune Afrique" series. Subjects covered (with accompanying text and graphs) include forest economy, population, health and soils, etc. Index included. In French.

(Ref G 2807 M583 1977)

American and French scientists associated with Project FAMOUS (funded by the National Science Foundation and the National Oceanic and Atmospheric Administration) studied the Mid-Atlantic Ridge Rift Valley for a period of over four years. Selected photographs from this project comprise the bulk of the atlas with submarine volcanic products and faults being the two major subjects covered. Also includes text, sketches, and references.


This Mexican atlas is divided into three sections: historical maps, maps of the states, and thematic maps. A page of text accompanies each of the colored state maps providing the reader with information on climate, hydrography, agriculture, industry and population among other things. Also includes selected statistics, graphs and an index. In Spanish.

As stated in the introduction, the atlas is "... intended as an aid and a supplement for readers and students of Maine history and geography. It is not an album of old maps ...". It is divided into three parts: Historical Maine (i.e., colonial wars, population densities, railroads, quarrying, etc.); Maine in 1976 (i.e., geology, the public school system, land ownership, etc.) and Historical Maps. Also includes text and sources.


Most world historical atlases are Euro-centric (i.e., European history is stressed); the London Times, Inc., however, has sought to remedy this situation by presenting the social, economic, and cultural history of the entire world. The atlas is subdivided into seven sections (The World of Early Man; The First Civilisations; The Classical Civilisations of Eurasia; The World of Divided Regions; The World of the Emerging West; The Age of European Dominance; and The Age of Global Civilisation). 1975 is the closing year and text accompanies all of the 130 plates. Other features include a 12-page world chronology, a 37-page glossary of people, events, treaties, etc. and an index. An excellent and long-awaited work which should prove to be popular with many patrons.

Bench Marks!!

Alan Edward Schorr, formerly of the Rasmuson Library, University of Alaska, Fairbanks, is now Director of the Library, University of Alaska, Juneau.

Edward P. Thatcher, Map Librarian, University of Oregon, Eugene, has been promoted to Professor of Library Science, effective July 1, 1979.

Sandra J. Lamprecht, Geography and Map Librarian, California State University, Long Beach, has been appointed Review Editor of the Information Bulletin, Western Association of Map Libraries.

Sandra has also been elected Vice-President for Southern California of the Map Society of California, beginning September 1, 1979.

Frances Woodward, WAML President, has been appointed Compiler of a Cumulative Index to the WAML Information Bulletin, Volumes One through Ten (1969-1979). Edward Thatcher, Chairman of the Publications Committee, in consultation with the Members of the Committee, made the announcement. The current plan is to publish the Cumulative Index during the 1979-1980 Membership Year. Distribution of the Index will be decided at a forthcoming meeting of the Executive Committee based on a recommendation of the Publications Committee.
U.S. GEOLOGICAL SURVEY OPEN FILE REPORTS

by

Nancy J. Pruett
Geology-Geophysics Library
University of California
Los Angeles

When the U.S. Geological Survey wants to make its work accessible without going through the review process required of its formal publications, it announces that the material is available in open files in specified USGS Libraries and USGS Public Inquiries Offices.

Reports released before May 1, 1974 were listed in USGS Circulars entitled "Reports and Maps of the Geological Survey released only in the Open Files". The numbers of the Circulars and their corresponding years are as follows:

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Since 1974 the Open File Reports have been listed with other USGS publications in the monthly New Publications of the Geological Survey, which is cumulated annually.

On the order of 800 Open File Reports were issued in 1977. In contrast, there were only 64 Professional Papers, 31 Bulletins, and 32 Circulars. The number of Open File Reports has been increasing, and, according to the USGS, will continue to do so. As the number of reports has increased, the problems of access have become more critical.

In October 1977, the Survey set up the Open File Services Section in Denver and began giving microfiche and hard copy order-information in New Publications. One can now order these reports from the Open File Services Section, Branch of Distribution, USGS, Box 25425, Federal Center, Denver, CO 80225 (telephone 303/234-5888).

Purchasing the Open File Reports or going to the appropriate Survey office is essentially the only access to them. And, while many government documents are priced lower than their full cost on the theory that they've already been paid-for by the taxes that funded the agency, the Open File Reports are priced for full cost recovery.
Some Open File Reports are included as Item 624-H in the GPO depository program, as Charles Seavey reported in the last WAML Information Bulletin (Vol. 10, No. 2, March 1979, p. 164). However, in the last six months, only two Open File Reports have come through GPO and this is much fewer than the number of reports which have been issued. For example, the February 1979 issue of New Publications lists one of the two that came through the GPO depository, OFR 78-885 ("Reconnaissance evaluation of water resources for hydraulic coal mining, Grand Hogback coal field, Garfield and Rio Blanco Counties, Colorado"). But there are also 75 others listed which don't come through GPO. It appears that fewer than 2-percent come as GPO depository items.

The major problems for the Survey in increasing the availability of Open File Reports appear to be: (1) the cost of making them available to depository libraries, (2) the Survey's hesitancy to distribute widely any material which has not undergone the rigorous USGS review process, and (3) the fact that no one has received nor receives a complete set of the Open File Reports now, not even the Open File Services Section.

POSSIBLE CHANGES

There are at least two committees concerned with Open File Reports. One is the Geoscience Information Society's Committee on Open File Reports, of which I am Chairman. The other is the Special Libraries Association/Geography and Map Division's Cartographic Users Advisory Committee, chaired by David Cobb. All of us on these committees would appreciate your input on Open File Reports.

Please let me know, as soon as possible, your opinions on Open File Reports to help us work to improve access to them. Please provide the following information:

Your Name, Address, and Phone Number.

What have been your problems with the USGS Open File Reports?

How often have you tried to obtain a copy of an Open File Report in the last year?

How often did your library get requests for them?

Does your library have any Open File reports? Size of collection and how obtained? Are they available to other libraries or individuals to borrow or to copy?

SOLUTIONS: If the Committee could convince the USGS to include Open File Reports in depository collections, what form of depository collection would you like to see: (Check any that are acceptable; star * your preference)

- Microfiche
- Reproducible Copies
- Limited to Geographic Area
- Current materials only

- Paper Copy
- Complete Set, current & retrospective
- Limited by something other than geographic area (What?)

- Choice of Fiche or Paper
COMMENTS: Who should get these on deposit? ______USGS Map Depositories
______Government Printing Office (GPO) depostories ______ Other

If the reports were done as NTIS reports, would that make them more accessible to you?

Would a directory of where Open File reports are available and/or reproducible be of help?

What other solutions can you think of?

PURPOSE

The purpose of collecting this information is (1) to ascertain which WAML Members are concerned with USGS Open File Reports; (2) to solicit data and documentation as to what the problems with Open File Reports are; and (3) to identify possible solutions.

If you have had correspondence with the USGS on Open File Reports, we would appreciate having copies.

Please respond as soon as possible to: Nancy J. Pruett

or phone (213) 825-1055 GIS Committee on Open File Reports

UCLA Geology-Geophysics Library

Los Angeles, CA 90024

Out-of-Print U.S.G.S. Topos Wanted

The Map Collection at Brigham Young University is seeking out-of-print U.S. Geological Survey topographic quadrangles for the entire U.S. at the scales of 1:62,500, 1:125,000, and 1:250,000 originally surveyed between the 1870's and the 1930's.

Any library or dealer who has these quadrangles to give away, exchange, or sell, please contact:

Riley Moffat (801) 374-1211
Map Librarian
1354 HBLL
Brigham Young University
Provo, Utah 84602
THE PACIFIC OCEAN

A CSUF and UCI Joint Event

A joint dinner gathering was participated in by the Patrons of the Library, California State University, Fullerton, and the Friends of the Library, University of California, Irvine, on the evening of 18 April 1979, at the University Center, CSUF.

Dr. Helen Wallis presented an illustrated lecture, "Exploration and Mapping of the Pacific Ocean." The speaker soon had the confidence of her audience and by virtue of her personality and pleasant presentation, the audience had not only an enjoyable but an informative evening on a scholarly and timely subject.

Dr. Wallis is an eminent English scholar, an authority on her subject, and is Map Librarian of the British Library, London. She is in the United States for four months, as research fellow at the Clark Library, University of California, Los Angeles, also as a participant in the international conference honoring the 400th anniversary of Sir Francis Drake's sojourn in California.

The conference will be held in the Los Angeles and San Francisco areas, 10 to 17 July, 1979. Dr. Wallis will open the British Library exhibit at the Oakland Museum on 17 June and will give her lecture, "The Cartography of Drake's Voyage", at the closing banquet at the Sir Francis Drake Hotel in San Francisco on the same date. The Oakland exhibit will continue for four months.

At the conclusion of the lecture the audience walked to the University Library to view the CSUF, Collection for the History of Cartography exhibition, "The Grand Ocean, The East & Cathay, Twenty-seven Maps, 1556-1855, plus one." The exhibition was compiled by Roy V. Boswell, curator of the collection.

Roy V. Boswell

EDITOR'S NOTE: The exhibition catalog "The Grand Ocean, The East & Cathay, Twenty-seven Maps, 1556 - 1855, plus one" is reproduced on the following pages with the kind permission and courtesy of Roy V. Boswell.
Dr. Wallis views one of the maps of China by Coronelli. At left is Roy V. Boswell, Curator of the collection.
An Exhibition: April 16, 1979

Plus One

Twenty-Four Maps, 1556-1855

The East & Cathay

The Grand Ocean

Collection for...
THE GRAND OCEAN,
THE FAR EAST AND CATHAY

The Grand Ocean

Vasco Núñez de Balboa was the first European to see, from its eastern shore, the ocean separating North America and South America from Asia and Australia. He first sighted it from a peak on the Isthmus of Darién (Isthmus of Panama) on the 25th day of September, 1513 and named it El Mar del Sur. Balboa then traveled to the water’s edge, where he took formal possession for Spain, including the shore from pole to pole. To this day the South Pacific Ocean is romantically referred to as the “South Sea.”

On the Vogel map of the world, published in 1556 (Exhibit 1 and reproduced on the centerspread), the ocean is so named and there is a two-line inscription attesting to Balboa’s discovery. This map was a gift to CHIC from the Patrons of the Library.

On September 20, 1519, Ferdinand Magellan, a Portuguese (Portuguese = Fernão Magalhães) under the flag of Spain, sailed from Seville with five small ships. He crossed the Atlantic Ocean, down the coast of Brazil, and south to the strait that bears his name. In the strait he spent 38 days and lost two ships. On the 28th of November the remaining ships rounded Cabo Deseado, the western terminus of the strait, and sailed into the “Great South Sea” which for the steady and gentle winds that drove the fleet Magellan named Mare Pacificum.

For ninety-eight days Magellan crossed the ocean, from Cabo Descado to the Ladrones. He then sailed to the Philippines and to Cebu, where he was killed. Only one of the five ships, the Victoria, under command of Juan Sebastian del Cano, returned to Spain completing a circumnavigation of the globe. The Victoria anchored at Seville on the 8th of September, 1522, with a cargo of wealth including 26 tons of cloves. There is an illustration of the Victoria on the Ortelius map “Maris Pacifici,” Exhibit 3.

Magellan not only discovered a western passage from the Atlantic Ocean to the Pacific Ocean, but he revealed for the first time the immense width of the Pacific Ocean, and he also proved, by his circumnavigation, that Columbus was right in his theory that the world was round.

Sir Francis Drake, from Darien in 1573, was the first Englishman to look upon the Pacific, and John Oxenham, sailing a pin-nance off the coast of Darien in 1575, was the first Englishman to sail a ship on the Pacific Ocean.

Eighteenth century charts of the French admiralty, for the use of French vessels, designate this ocean as Le Grand Océan. On Tello’s chart, Exhibit 7, the ocean is El Grande Oceano. Grand, in French, Spanish, or English, conveys the same meaning, grand and large, but not only large — great, grand, noble, solemn, sublime, and majestic. Hence, for the title of this exhibit I have used “Grand Ocean.”

The Pacific Ocean is the largest single earth feature. It is the largest division of the hydrosphere, consisting of one enormous basin. It has one and three-quarters the area and double the volume of water as the Atlantic Ocean, the next largest division. Its area is greater than all the land above sea level on the face of the globe. See Exhibit 8.

The ocean and its seas are bounded on the north by the Bering Sea and the fringe of islands; on the south by Antarctica; on the east by North America and South America; and on the west by Asia, Malaysia, Australia, and New Zealand. That part of the ocean north of the equator is called the North Pacific and that part south of the equator is called the South Pacific.

It is nearly landlocked at the north, connecting with the Arctic Ocean only by Bering Strait, which is 36 miles wide. From Bering Strait to the Antarctic Circle the distance is 9,300 miles. At the equator, from Equator to Indonesia it is over 10,000 miles,
and Canada looks eastward to us for a different kind of wealth. In California, now look across the Pacific to China for its wealth. As Europe once looked west for the riches of China, so we now look east for the riches of America, in this century.

Europe sought for commodities and the Spanish colonized and established California. This was the opposite of Columbus. America produced a continent. Europe sought for commodities and the Spanish colonized and established California.

Republic of China.

The Far East and China.

Islands in the Caribbean were purchased from Denmark. In the Panama Canal, 50 miles across the Pacific, are the islands of Panama, Colombia, and Ecuador. The Pearl River flows through the city of Shanghai. It is about 2,500 miles from Panama to Singapore and is almost half the distance from Panama to Singapore.
EXHIBITIONS

* * * *

The Collection for the History of Cartography collects maps and charts from the earliest times through the nineteenth century, or pre-1901. This exhibition is an exhibit of 27 of its maps issued 1556–1855, plus one. The "plus one" is Exhibit 8, a twentieth century map of the Pacific Ocean Floor which is included because there are no "old" maps adequately portraying this subject.

This exhibition is the seventh by CHC in the University Library and the first in a series entitled The Grand Ocean. It covers the ocean as a whole and the western rim (the east coast of Asia). Other exhibitions contemplated will treat the eastern rim (the west coast of North America and South America), the European discovery and exploration of the ocean, and the islands of the ocean.

A printed map may have been published separately or it may have been included in an atlas (a cased collection of maps with or without text) or in a book. Where the atlas or other book source has been identified, the title of the map is enclosed within quotation marks; if the map is separate or the atlas or other book has not been identified, the title is written in italic.

Old maps are historical documents and many are artistic. The full appreciation of the maps can be realized only by viewing them. No reproduction in black and white and reduced scale can do the original justice. Frequently, the most beautiful map is the most difficult to reproduce.

The Grand Ocean — The East A Cathay

Pacific Ocean

The Exhibits

This map, Exhibits 2, 10, and 14, is
Ocean and the representation of America on the different

El Mer Pachaco

El map is a gift to CHC from the Patron of the Library, Calista,
more striking than Vasa, Nizam de Balboa discovered in 1513.


The World


The Grand Ocean — The East A Cathay

Pacific Ocean
JAPAN

The focus of navigation are shown: Agra de Manila, Surigao and Sibuyan. Beyond the Philippine Strait, Mindanao and Samar, the rise to Leyte and Mindoro. The islands of Mindoro, Cebu, Bohol and Negros are major interest points. The islands of Mindanao, Surigao and Sibuyan are indicated by their names. The islands of Mindoro, Cebu, Bohol and Negros are major interest points.

This is the first printed map of Japan to appear in an atlas.

Twenty-seven Maps, 1556-1855, Plus One.

**CHINA**


Ludovico Georgio was Barbuda. He was a Portuguese cartographer and also a spy for Spain. This is the first map of China to appear in an European atlas.

We are accustomed to looking at maps with north at the top. This map is oriented with north to the right; hence to view it in the customary manner it would have to be rotated, disregarding the placenames, and the right or north placed at the top.


Mercator’s maps are original — he checked current knowledge and drew maps in his original conception, different from his contemporary, Abraham Ortelius, who based his maps on those already existing.


18 * Coronelli, Vicenzo Maria, 1650–1718. "Xansi e Xensi provincie della China, dedicate All’Illustrissimo Signor Commendatore Fra Paolo Passionei . . . dal P. Cosmografo Coronelli." There are six lines of text describing the cities in each province. Source: Coronelli’s *Isolario*, Venice, 1696–7.


22 * Bowen, Emmanuel, fl. 1720–67. "A New & Accurate Map of China Drawn from Surveys made by the Jesuit Missionaries by Order of the Emperor . . . By Emman. Bowen." Source: [London, ca. 1752, atlas not identified]. At the top left there is a panel captioned "Advertisement" with 24 lines of text describing the surveys begun July 4, 1708 and finished January 1, 1717.
NEW ZEALAND

Australia is divided into two parts, with a Key to the Countries.


MALAYIA

TWENTY-SEVEN MAPS, 1856-1859, PLUS ONE.

AUSTRALIA

The Grand Ocean — The East & Cathay


The productions of Ceylon and New China contain species especially native to the Spice Islands in East Indiea, between the islands of Ceylon and New China, are of special interest, and the improve

254

26 a) Jussain, J. 1868-1664, "I Insalum Moluccearn Nava de.

1666-7, 27. a) Jussain, J. 1868-1664, "I Insalum Moluccearn Nava de.

S.W. Bremisana, Ventana 1778 Presso Newalloh Zana. C. Jullian


COLLECTION FOR THE HISTORY OF CARTOGRAPHY - CSUF

COLLECTION FOR THE HISTORY OF CARTOGRAPHY, a Special Collection of the Library, California State University, Fullerton, had its beginning on October 22, 1971. It is a collection of maps and atlases from the earliest times through the nineteenth century, i.e. pre-1901, also support reference works.

Exhibitions of maps have been held in the University Library, as follows:

1) California & Other Early Maps Illustrating the History of Cartography, 1375-1873. November 19, 1971;

2) Noteworthy Maps & Charts, A.D. 1513-1774. March 27, 1973;

3) The Iberian Origin of the Americas, Maps & Charts, A.D. 1513-1851. April 15, 1974;

4) British Battle Plans, Maps & Charts of the American Revolutionary War, 1775-1793. October 20, 1975;


For each of these exhibitions there was published a fine press catalog, sponsored by the Patrons of the Library. The first was printed by Grahhorn-Hoyem of San Francisco, the fourth by Plantin Press of Los Angeles, and the others by Premier Printing Corporation/Sultana Press of Fullerton. The last four are printed on Curtis Rag paper; all are illustrated with reproductions of maps.

CHC will send, gratis, to any library making a request to the curator on its official stationery, such catalogs as are required to complete the library's holdings, except the first which is out-of-print. CHC will also send future catalogs, as published, to any library requesting this service and supplying permanent mailing directions.

CALIFORNIA STATE UNIVERSITY, FULLERTON
COLLECTION FOR THE HISTORY OF CARTOGRAPHY
The Library, Room 444B. P.O. Box 4150, Fullerton, Calif. 92634
Ernest W. Toy, Jr., Director of the Library
Linda E. Herman, Special Collections Librarian
Roy V. Boswell, Curator of the Collection (CHC)
ATLASES CATALOGED AT UCLA

by

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

Kinder, Hermann, fl. 1964-
2 v. : col. ill., col. maps ; 19 cm.
Translation of DTV-Atlas zur Weltgeschichte.
Includes index.
CONTENTS.--v.1. From the Stone Age to the eve of the French Revolution.--v.2. From the French Revolution to the American Bicentennial.

United States. Environmental Data Service.
262 p. : chiefly maps ; 29 cm.
"The climatic maps in this atlas were prepared primarily by John L. Baldwin."
1. United States--Climate--Maps. I. Baldwin, John L. II. Title. LC No. 74-11931

Jackson, Kenneth T.
xy, 294 p. : maps ; 29 cm.
In earlier edition Adams' name appeared first on title page.
Includes index.
1. United States--Historical geography--Maps. I. Adams, James Truslow, 1878-1949. II. Title
ISBN 0-684-15052-2 $40.00 LC No. 77-76851

From jacket: The ATLAS has been designed particularly to be useful as an adjunct to Scribner's recently revised DICTIONARY OF AMERICAN HISTORY. In each map the user sees the area exactly as it was during the period under consideration. No locations appear which were not there at the time, nor are the historically important locations obscured by material which has no relevance to the subject of the map. Each map is so geared into those preceding and those following - both in area and in time - that, as the pages turn, the reader gets a comprehensive picture of our history. ...5,000 places indexed.
Instituto Geográfico Nacional Tommy Guardia.

Mapas de las áreas de tierras y aguas para el funcionamiento y defensa del Canal de Panamá, referentes a los acuerdos para la ejecución de los artículos III y IV del Tratado del Canal de Panamá, firmado en Washington, D.C., el día 7 de septiembre de 1977, por Omar Torrijos Herrera, jefe de gobierno de la República de Panamá, y Jimmy Carter, presidente de los Estados Unidos de América.

Más de la edición preparada por el Instituto Geográfico Nacional "Tommy Guardia", Ministerio de Obras Públicas de la República de Panamá, y el Servicio Geodésico Interamericano de la Agencia Cartográfica de Defensa de los Estados Unidos de América. [Panamá: s.n., 1977?]

[61] leaves, [54] leaves of plates ; [54] maps (some fold., chiefly col.) ; 36 x 56 cm.

1. Canal Zone--Maps. 2. Panamá Canal. I. Defense Mapping Agency. II. Title: Mapas de las áreas de tierras y aguas para el funcionamiento y defensa del Canal de Panamá. III. Title: Maps of the land and water areas for the operation and defense of the Panama Canal.

Guedes, Max Justo

Anônimo : Antônio Sanches c.1633 (atribuição da autoria de uma carta náutica original da Biblioteca Nacional do Rio de Janeiro)


Includes bibliographical references.

1. Coasts--Brazil--Maps--To 1800. 2. Nautical charts--Brazil--To 1800. 3. Maps, Early--Facsimiles. 4. Brazil--Maps--To 1800. I. Sanches, Antônio II. Title
NEWS NOTES (continued from page 232)


Chronicle is the quarterly newsletter of the National Commission for Cartography (Canada) published in affiliation with the Department of Geography, Carleton University. It coordinates the activities of the cartographic community as represented by the constituent organizations: Canadian Institute of Surveying; the Ontario Institute of Chartered Cartographers; the Canadian Cartographic Association; the Association of Canadian Map Libraries; and, the Canadian Association of Geographers. Editor is: Neil G. Grant, Department of Geography, Carleton University, Ottawa, Ontario, Canada K1S 5B6. Barbara E. Farrell, Map Librarian at Carleton, is Associate Editor.

The current issue (Vol. 4, No. 2, April 1979) is 16-pages 8½" x 5¼".
A FURTHER NOTE ON NEVADA'S SANBORN MAPS:

Additional Holdings

by

Eric N. Moody
Instructor
Western Nevada Community College
Carson City

It is, of course, axiomatic that whenever one compiles any list or catalog which professes to be complete, that items not included will turn up as soon as the list appears. This happened with regard to the list of institutional holdings of Sanborn maps for Nevada communities which accompanied my article in the last issue of the WAML Information Bulletin.

While the Information Bulletin was being printed, an uncataloged collection of Nevada Sanborn maps turned up in the Special Collections Department of the University of Nevada, Reno, Library. Covering 21 communities, it consists of 25 sets of maps with 240 sheets, and was obtained several years ago from the Library of Congress. While it does not add any previously unknown or uncollected editions of maps to the list published in my previous article, the collection is, nonetheless, significant in that it contains a number of maps which are not elsewhere available within the State.

In connection with the availability of Nevada's Sanborn maps to researchers, it would be well to mention here that some Nevada libraries are obtaining microfilmed copies of maps whose originals they do not possess. The Nevada Historical Society, Reno, and the Special Collections Department, University of Nevada, Las Vegas, Library, are two depositories presently acquiring, or hoping to acquire, copies of maps.

Following is a list of Nevada Sanborn map holdings at the University of Nevada, Reno, Library (NVU):

<table>
<thead>
<tr>
<th>Community</th>
<th>Year</th>
<th>No. of Sheets</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battle Mountain</td>
<td>1927</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Carlin</td>
<td>1927</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>East Ely - See: Ely</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Elko</td>
<td>1912</td>
<td>8</td>
<td></td>
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<tr>
<td>Ely</td>
<td>1912</td>
<td>11</td>
<td>Includes East Ely</td>
</tr>
<tr>
<td></td>
<td>1923</td>
<td>11</td>
<td>Includes East Ely</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Community</th>
<th>Year</th>
<th>No. of Sheets</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fallon</td>
<td>1912</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Gardnerville</td>
<td>1912</td>
<td>3</td>
<td>Includes Minden</td>
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<tr>
<td></td>
<td>1923</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Goldfield</td>
<td>1909</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Gold Hill</td>
<td></td>
<td></td>
<td>See: Virginia City</td>
</tr>
<tr>
<td>Las Vegas</td>
<td>1923</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Lovelock</td>
<td>1914</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Minden</td>
<td>1923</td>
<td>2</td>
<td>See also: Gardnerville</td>
</tr>
<tr>
<td>Reno</td>
<td>1918</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>Rhyolite</td>
<td>1909</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Sparks</td>
<td>1912</td>
<td>10</td>
<td></td>
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<tr>
<td></td>
<td>1925</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Tonopah</td>
<td>1909</td>
<td>8</td>
<td></td>
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<tr>
<td></td>
<td>1917</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Verdi</td>
<td>1912</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Virginia City</td>
<td>1923</td>
<td>6</td>
<td>Includes Gold Hill</td>
</tr>
<tr>
<td>Wells</td>
<td>1914</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Winnemucca</td>
<td>1912</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Yerington</td>
<td>1923</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

NEVADA SANBORN MAPS, 1885-1906, Available on Microfilm

Vlad Shkurkin, 6025 Rose Arbor, San Pablo, California 94806 (phone 415/232-7742, is the sole distributor of a collection of Sanborn maps of 21 Nevada communities (193 maps dated between 1885-1906) that he had microfilmed by the Library of Congress. Mr. Shkurkin is offering this collection for $40., which includes postage and handling. The microfilm is 35mm, sprocketless, black & white. (ISBN 0-932732-02-X)

Inquiries should be directed to Mr. Shkurkin at the above address.
PUBLICATIONS OF RELEVANCE

Contributors:  

AB = Anna Bluestein, University Research Library, UCLA  
RB = Robert Batchelder, University Library, University of Calgary, Calgary  
HO = Harold Otness, Library, Southern Oregon State College, Ashland  
EP = The Editor  

American Geographical Society.  
Commemorative Issue. Roman Drazniowsky, Editor.

EP  
The Move to Milwaukee is the subtitle of this issue. The contents of its 94 pages are:

Preface, by William C. Roselle, Commemorative Issue Editor, \{and the Director, The University of Wisconsin-Milwaukee Library,\}

Introduction, by Werner A. Baum, Chancellor, The University of Wisconsin-Milwaukee.

Editor's Note, by Roman Drazniowsky, Editor, Current Geographical Publications, \{and, Curator, American Geographical Society Collection of The University of Wisconsin-Milwaukee Library,\}

A New Home for the AGS Collection and CGP, by Roman Drazniowsky \{subtitle: The American Geographical Society Collection: A Short History,\}

Wisconsin's AGS Effort, 1974 to 1978, by William C. Roselle, Director of the UWM Library.


Moving the AGS Collection, by Gerald C. Hoek, AGS Move Coordinator.


The Morris Fromkin Memorial at The University of Wisconsin-Milwaukee Library, by Jean Knapp.

This issue is a most-unusual one, in many respects: CGP regularly has only ten issues per volume - this constitutes Number 11 - but since its content is unusual it merits a special place; it documents a move that has been identified as "possibly the largest collection transfer in the annals of American academic librarianship", and a pictorial history of an event as rare in the history of map librarianship as the AGS Collection itself.

Subscriptions to the Current Geographical Publications should be sent to:

American Geographical Society Collection of  
The University of Wisconsin-Milwaukee Library  
P.O. Box 399  
Milwaukee, Wisconsin 53201  
ATTN: Subscriptions CGP

$25.00 per year  
$ 3.00 single issue  
Prepay
Anderson, Robert H., and Norman Z. Shapiro

Design Considerations for Computer-Based Interactive Map Display Systems.
R-2382-ARPA; February 1979. Rand Corp. Santa Monica, CA 90406.

Recent developments in computer graphics and the continuing decline in the cost of electronics offer the possibility of creating interactive map display systems (IMDSs) having many of the advantages of traditional maps, but significant additional advantages as well.

These systems are not merely maps but are aids to geographic planning and problem-solving in the broadest sense.


ISBN 0-9602544-0-4 LC No. 79-84439
11 1/2 x 14 1/2 inches; 200 pages of which there will be 160 pages of full-color maps.

The Information Bulletin Review Editor is planning for a review of this item when the Atlas becomes available.

Bartholomew (John) and Son, Ltd.
Bartholomew gazetter of Britain / compiled by Oliver Mason. 1st ed.
xlviii, 271, 128 p. : ill., col. maps ; 30 cm.
The first edition of a completely new Gazetteer. An earlier work by J. G. Bartholomew was first published in 1904 under title: The survey gazetteer of the British Isles; and in 1966 as: Gazetteer of the British Isles.

Blachut, T. J., A. Chrzanowski, and J. K. Saastamoinen

Designed for professionals and students of surveying, mapping, civil engineering, and urban planning, ... is presented in simple terms and will be readily accessible to the non-specialist as well.

... covers all essential organizational schemes and basic operations: map projection systems, horizontal and vertical control nets, ground and aerial surveying and mapping techniques, utility surveys, cadastral surveys, urban maps, and basic considerations concerning the establishment of urban data banks.

Canada. Geodetic Survey.
138 p. : fold. col. map ; 28 cm. English and/or French.
Map and Price List (7 p.) in pocket.

Catalogue number 96-871 $6.00 in Canada, $7.20 elsewhere. Publications Distribution, Statistics Canada, Ottawa, K1A OT6

Note: The Agriculture Graphic Presentation is not included in any sets of Census of Agriculture publications and should be ordered separately.

Topics of its 114 maps: number of farms, land use, farms by annual sales, farms by area of land, farms by products, field crops, horticultural crops, livestock and poultry, farm machinery and equipment, farm population, tenure and residence, off-farm work, age of operators, farm labour, values of land and buildings.

Data is from the 1976 Census of Agriculture.


By assembling and making available the city directories of some 220 different communities for the period up to 1861, and of 72 selected cities for the period 1861-1901, Research Publications, Inc., offers to scholarship the largest file in existence of information on 19th century U.S. city dwellers. The thousands of directories in this collection contain the names of at least ten million individuals-

Published in segments: Segment 1: Through 1860: on microfiche. Based on the Bibliography of American Directories Through 1860 by Dorthea N. Spear, Worcester, 1961 .... $6.100.† Segment 2: 1861-1881: on 35mm roll microfilm: 50 largest cities of the period, plus additional cities selected for balanced geographical representation .... $9,000.† Segment 3: 1881-1901: on 35mm roll microfilm: a continuation of Segment 2 .... $18,000. Complete collection, all segments .... $30,240. (a reduction of 8.64% from the combined price). NOTE: Segment 1 is also available by State: e.g., California $169.75

Research Publications will tailor a subscription or deferred payment plan to fit the purchaser's needs or budgetary requirements.

Customer Order Department, 12 Lunar Drive, New Haven, CT 06525.


Now complete on 35mm microfilm and available on order are 97 titles (103 volumes) of California county and regional histories. Complete collection including printed reel index .... $650. Individual titles may be ordered but only complete reels will be furnished, therefore the purchaser may acquire more than one title on a reel of film. Xerox copies in soft cover-bound may be ordered, as well as catalogue cards.

A complete list of all titles in the set is available from the Publisher.

The Office of Planning and Research of the Governor's Office is responsible for this new atlas, and it is scheduled to appear on June 15th. The volume will contain 124 pages, 16 x 18 x 3/4 inches and is a very substantial seven pounds in weight.

$37.50 list; $42.25 prepaid checks payable to State of California; Department of General Services, Publications Section, P.O. Box 1015, North Highlands, CA 95660. Stock Number 0031-1070-3
$40.00 for non-California residents (includes shipping charge only)

My telephone call to State offices could not establish for certain whether this Atlas will be distributed to Depository Libraries. The person(s) to whom I spoke indicated that it probably would be, but no one would say for sure.

Ellis, Melvin Y., editor

LC Card No. 78-600000 $5.25

11.5 x 9 inches; (8) 200 p. illus. Not available on depository.

Its principal objective is to provide general information and guidance; it is neither a textbook nor a technical manual, but rather a primer on coastal mapping.

This handbook should help planners and managers of coastal programs to determine their mapping requirements, select the best maps and charts for their particular needs, and to deal effectively with personnel who gather data and prepare maps. The sections on Sources of Assistance and Advice, and Product and Data Sources, should be especially useful to all involved in mapping the coastal zone. Brief summaries of the mapping efforts of several State coastal zone management programs are included.

For those interested in more technical detail than is provided, the Selected References will be useful.

Distributed in Western Hemisphere by R. R. Bowker Co., 1180 Avenue of the Americas, New York, NY 10036

Two volumes, 3,493 pages, 9.25 x 7.5 inches. ISBN 0-905118-20-0
LC No. 59-2942 $94.50 per two-volume set

Complete political, economic, and historical information on every nation of the world; extensive coverage of the United Nations and all of its agencies, and international organizations.
* Gibson, James R., editor
  * European Settlement and Development in North America: Essays on Geographical Change in Honour and Memory of Andrew Hill Clark.
  * Toronto & Buffalo, University of Toronto Press, 1978.
  * viii, 236 p., 15 x 23 cm. CIP Cloth $15.00 = ISBN 0-8020-5415-3
  * Paper ISBN 0-8020-3357-1 † $7.50
  * University of Toronto Department of Geography Research Publications 15.

* Great Britain. Antarctic Place-Names Committee.
  * 35, p., 30 cm. The Gazetteer of the British Antarctic Territory, South Georgia and the South Sandwich Islands, issued on 23 October 1962, and its three Supplements, has been superseded by two gazetteers listing place-names in the British Antarctic Territory and in the Falkland Islands Dependencies (South Georgia and the South Sandwich Islands) respectively.

* Great Britain. Hydrographic Office.

  * The 1979 Collection, six volumes: $45 first vol., $30 ea. add. vol. $150, complete set
  * Management's Use of Maps: Commercial and Political Applications.
  * Mapping Software and Cartographic Data Bases
  * Urban, Regional & State Applications; plus a special section on cadastral systems
  * Computer Mapping in Natural Resources and the Environment, including applications of satellite-derived data
  * Computer Mapping in Education, Research, and Medicine
  * Thematic Map Design

* Harwell, Richard B.
  * 82 p., illus., index. $19.50
  * An annotated bibliography of compiler's selection of 200 works of scholarship and first-hand narratives.


Over 14,000 volunteers from the state of California who fought in the Civil War from 1861 to 1867 are listed in this register. Compiled by the Adjutant-General of California, Orton, in 1890. The full name, rank, place and date of enrollment, date of enlistment, date of muster, and other remarks for each individual are provided by Orton.

Parker is Head of Public Services and Assistant Library Director, California State College, Stanislaus, and Founder and Librarian Volunteer, Modesto California Branch Genealogical Library of the Genealogical Department of the Church of Jesus Christ of Latter-day Saints.
The Orton work is difficult to use because it is arranged according to rank and/or company, rather than alphabetically by surname. Parker has provided an essential tool for the use of Orton.

• Rabbitt, Mary C
  Minerals, lands, and geology for the common defence and general wel-
  fare, Volume 1, before 1879. A history of public lands, federal sci-
  ence and mapping policy, and development of mineral resources in the

  For sale by the Superintendent of Documents, U.S. Government Printing
  LC Card No. 76-50402

  The first volume of the history of USGS.

• Regional Economic History Research Center. Map Project.
  Canals and railroads in the Mid-Atlantic Region. Wilmington, Delaware,
  (Regional Economic History Research Center/Eleutherian Mills-Hagley
  Foundation, Box 3630, Greenville, Wilmington, Delaware 19807), 1979.

  Later this year the REHRC will publish a series of maps, with accompany-
  ing text, that illustrate the spread of canals and railroads in the
  Mid-Atlantic region from 1800 to 1860. Based on extensive research
  in state laws, legislative journals, annual reports, charters, surveys,
  printed and manuscript maps and field reconnaissance, the maps will be
  large (24 x 30 inches) on a scale of 1:11,000,000 and printed in four
  colors. The region covered by the maps includes Pennsylvania, Mary-
  land, New Jersey, and Delaware as well as adjacent parts of Ohio,
  West Virginia, Virginia, and New York. These maps are the first pub-
  lished results of a continuing project which will eventually map the
  economic system of the region including, among other aspects, roads
  and turnpikes, post routes, and the location of industrial and commer-
  cial activities. The text will include an extensive bibliography
  listing the sources used in compiling the maps, including a large num-
  ber of contemporary manuscript and printed maps.

  A fuller description of the entire mapping effort underway will appear
  in Historical Methods (Summer 1979).

• Texts of treaties relating to the Panama Canal. [Washington] : Dept. of
  State, Bureau of Public Affairs, Office of Media Services, [1977]

  22 p. : maps ; 27 cm. (Selected documents - Department of State,
  Office of Media Services ; no. 6A) Inter-American series ; 112
  Department of State Publication ; 8912

• Thorndyke, Perry W., and Cathleen Stasz
  Strategies for map learning. P-6311 March 1979. Santa Monica, CA.,

  Acquiring knowledge from a map depends upon a variety of processes for
  focusing attention, encoding information, and integrating knowledge of
  various types. This paper describes the heuristics people use to study
  and learn maps. Verbal protocols were obtained from three expert map
  users and five novice map users attempting to learn a map. A compari-
  son of the performance of map-using experts and novices suggested that
  success in learning depended on the use of powerful heuristics and not
  on prior map-using expertise.
• Thorndyke, Perry W., and Cathleen Stasz
  Individual differences in knowledge acquisition from maps.

  An analysis of the performance of map-using experts suggested that
  success in learning depended on strategies and not on familiarity
  with the task domain or materials. The implications of these results
  for training expertise in map learning are discussed.

• Tooley, Ronald Vere

  690 p., 7 x 10 inches, 91 illus. Information about 20,000 cartographers,
  engravers, and publishers active from earliest times until 1900. The
  present work is revised, expanded, and completed edition of the incom-
  plete series of listings that appeared in the now discontinued Map
  Collector's Circle. $120.00 ISBN 0-906430-05-4

• Upham, Warren, 1850-1934.
  Minnesota geographic names: their origin and historic significance.
  Historical Society, 1969. xxiv, 788 p. port. 24 cm. (Publications of the Minnesota Historical
  Society). Reprint of the 1920 ed. which was published as v. 17 of
  the Collections of the Minnesota Historical Society.
  LC No. 71-95570

• United States Board on Geographic Names
  Foreign Names Decisions of the U.S. Board on Geographic Names.
  No. 1, December 11, 1978. irregular

  Defense Mapping Agency, Bldg. 56, U.S. Naval Observatory, Washington,
  D.C. 20305

  Monterey District.
  California Coastal Land Management Plan. Goleta, CA., Los Padres

  80 pp. ; 28 cm. illus., maps (some col.)

  [List of] Approximate Number of Microfilm Rolls to Cover States [of
  USGS Topo Quads in Historical File]. (Valid for USGS Topo Quads

  53 pp. ; 28 cm. State by State list giving complete breakdown of
  Roll numbers, approximate number of frames on roll, beginning map name
  on each roll, and the coverage included in Border State(s) with same
  information. Examples: Hawaii, total rolls: 2; 1972 and Prior: Roll
  No. 158; Approx. No. of Frames: 322; Beginning Map Name: Ahumoa;
  1973 to September 1977: Roll No. 211; Approx. No. of Frames: 81;
  Beginning Map Name: Ahumoa; Border States: None.

Coastal Mapping Handbook. This publication provides general information and guidance with regard to the coastal mapping needs of state and local coastal zone planners. 1978. 199 p., 1 overlay 11. I 19.15/3:C 63 024-001-03046-2 5.25

Control Leveling. Vertical control surveys (levelings) result in the establishment of numerous marked points (bench marks) for which the precise elevations are known. This publication describes the process of control leveling. 1978. 20 p. 11. C 55.13:NOS 73 NGS 8 003-017-00422-8 1.30


Elements of Surveying. The basic principles and procedures of field surveying, as well as the care, use and adjustment of instruments are among the areas covered in this manual. 1971, reprinted 1976. 302 p. 11. D 101.11/5-232/3 008-020-00388-3 5.00


Engineering Field Tables. 1976. 186 p. 11. A 13.84/2:7100-10 001-001-00417-1 2.45

Evaluation of Skylab (EREP) Data for Forest and Rangeland Surveys. Evaluates the usefulness of 1973-1975 data from the Skylab Earth Resources Experiment Package (EREP) in identifying forest, rangeland, non-forest, water, and forest stress as a first level of resource information. 1976. 74 p. 11. A 13.78:PSW-113 001-001-00412-0 2.25

Geological Survey Research cont'd

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C 55.13:ERL 373-WPL 47 003-017-00389-2 1.70

I 53.7:973-2 024-011-00052-6 9.05

Supplements to Manual of Instructions:

Ephemeris of the Sun, Polaris and Other Selected Stars With Companion Data and Tables for the Year 1979. 1978. 30 p. ll.
I 53.8:979 024-011-00090-9 1.70

Restoration of Lost or Obliterated Corners and Subdivision of Sections. Prepared especially for county and local surveyors who must be familiar with the rectangular system of public land surveying. 1963, reprinted 1976. 40 p. ll.
I 53.7:947/supp.963 024-011-00012-7 .75

I 53.10:956 024-011-00030-5 5.85

S 9.10:8756 044-000-91609-6 .60

S 9.10:8594 044-000-91447-6 1.30

C 4.19:231 003-002-00019-5 8.40

C 1.60/3:75-62 003-000-00474-1 .85

Programmed Text—Common Skills in Map Reading. 1975. 310 p. ll.
D 103.109/2:M 32 008-020-00557-6 3.90

TD 2.8:Ae 8 050-001-00001-6 2.00
Surveying and Mapping

PrEx 2.2:F 31/2/973 024-001-02426-8 $ 8.45

I 19.14/2:H 32/9 024-001-02566-3 .35

S 9.10:8779 044-000-91632-1 .90

C 4.19/2:62-4 003-002-00109-4 2.40

--- Surveying Our Public Lands. 1969. 16 p. II.  
I 53.2:P 96/7/969 024-011-00007-1 .35

--- Survey of the McDonald Observatory Radial Line Scheme by Relative Lateralization Techniques. During May and June 1977, a survey was performed in the vicinity of the University of Texas McDonald Observatory to detect any displacement of the observatory relative to prominent topographic features within about 100 km. This paper contains results of the survey and of the new survey technique employed. 1978. 34 p. II.  
C 55.13:4OS 74 NGS 9 003-017-00423-6 1.60

--- Surveys and Surveyors of the Public Domain, 1785-1975. 1976. 228 p. II.  
I 53.2:Su 7/785-975 024-011-00083-6 4.25

C 4.19:5/4 003-002-00152-3 3.00

LC 5.2:T 41/964 030-004-00005-1 .85

--- Topographic Maps. Describes and defines the essential parts of topographic maps - the symbols, uses, origins and printing processes used to make each map. 1976. 28 p. II.  
I 19.2:T 62/6/976 024-001-02793-3 .80

--- Topographic Maps: Silent Guides for Outdoorsmen. 1975. 6 p. II.  
I 19.2:T 62/5 024-001-00231-1 .50

--- Topographic Maps: Tools for Planning. 1976. 15 p. II.  
I 19.2:T 61 024-001-02047-5 .35

--- Water Capsule Report: Water Well Location by Fracture Trace Mapping. Being printed 024-000-00849-5 .90
FORTHCOMING MEETINGS & WORKSHOPS

May 16-19, 1979  An Introduction to Carto-Bibliographical Description
School of Continuing Studies, University of Toronto, in cooperation with the Faculty of Library Science, Toronto
Instructor: Dr. Coolie Verner
$150

This course will provide an introduction to the procedures employed in research and to the rules for preparing detailed descriptions of old maps. This will include a study of the elements that must be included in a description as well as the analysis of changes to a map plate during its use. These factors will be applied to maps printed from woodblocks, copperplates, and lithography.

May 14-25, 1979  Map Librarianship Workshop
Brigham Young University/Departments of Geography and Library Science and Division of Continuing Education, Provo, Utah
Instructor: Richard W. Stephenson
$295 (not incl. housing and meals) $113.50 room & meals

Map Librarianship and History of Cartography in all their aspects are covered. Credit in Library Science and Geography offered.

May 23, 1979  Education and Continuing Education in Cartography
No Registration Fee

Participants: D.R.F. Taylor
R. Groot
C. Koeman
M. Coulson
D. Jupe
H. Stibbe

June 10-17, 1979  Sir Francis Drake & The Famous Voyage 1577-1580
An international conference honoring the 400th Anniversary of Drake's Sojourn in California.
Sponsors: The Sir Francis Drake Commission, State of California, and The UCLA Center for Medieval and Renaissance Studies

Programs in Los Angeles area, and San Francisco area. The schedule is as follows:
Los Angeles Area

Sunday, June 10 5:00 - 10:00 pm Westwood Holiday Inn: Registration and Reception

Monday, June 11 10:00 - 11:30 pm Huntington Library:
Norman J.W. Thrower, UCLA, Opening Remarks
John H. Parry, Harvard University, Aims and Accomplishments of the Voyage
David B. Quinn, Hakluyt Society, "The Famous Voyage" and Hakluyt

2:30 - 4:00 pm Luncheon and Exhibition
Lacey B. Smith, Northwestern University, Elizabethan England

Tuesday, June 12 10:00 - 11:30 pm UCLA Faculty Center
Michael J.B. Allen and Will Jewkes, Drake in Literature
William A. Lessa, UCLA, Drake in the South Seas

2:30 - 4:00 pm Luncheon- UCLA Research Library Exhibition
Kenneth R. Andrews, University of Hull, Political Impact of Drake’s Voyage
Antony R. Orme and Amalie J. Brown, UCLA, Four Centuries of Coastal Change in California

5:00 - 7:30 pm The J. Paul Getty Museum, Malibu - Reception

San Francisco Area

Wednesday, June 13 5:00 - 10:00 pm Sir Francis Drake Hotel: Registration and Reception

Thursday, June 14 10:00 - 11:30 am International House - UC Berkeley
Crispin Gill, Editor, The Countryman, Drake and Plymouth
Alex A. Cumming, Director, Museums, S.W. England, Buckland Abbey

3:00 - 4:30 pm Luncheon - Society of California Pioneers, San Francisco
V. Aubrey Neasham & Robert H. Power, Sir Francis Drake Commission, Drake on the Pacific Coast

4:30 - 6:30 pm Reception and Film Presentation

Friday, June 15 10:00 - 4:00 pm San Quentin/Novato: Field Trip and Picnic
Robert H. Power, Sir Francis Drake Com. Lunch
Charles Slaymaker, UC Davis
Donald C. Pike

6:00 - 8:00 pm California Academy of Sciences, Reception and Exhibition

Saturday, June 16 10:00 am - 4:00 pm Drake’s Bay and Bolinas Bay, Field Trip & Lunch
Benjamin Draper, Ethel S. Crockett
Donald R. Thieler, Raymond Aker, and
V. Aubrey Neasham - Sir Francis Drake Commission

9:00 pm - 1:00 am British Commonwealth Assn, H.M. The Queen’s Ball at The Fairmont Hotel
Sunday, June 17 10:00 am  Oakland Museum - Opening of British Library Exhibit
The Famous Voyage of Sir Francis Drake, 1577-1580

11:00 am  Marin Coast Chamber of Commerce
Public Celebration at Drake's Bay

1:00 pm  Luncheon - Oakland Museum/Field

3:00 pm  The Bancroft Library - Reception and Exhibition
Speaker: David B. Quinn

5:30 pm  Grace Cathedral - San Francisco
Parade: Royal British Legion
Concert: The Sixth U.S. Army Band
Lord Bishop of London
Festival Even-song and Solemn Te Deum

8:00 pm  Sir Francis Drake Hotel - Banquet
Speaker: Helen M. Wallis, Map Librarian, British Lib.
The Cartography of Drake's Voyage
Norman J.W. Thrower - Closing Remarks

UCLA and the California Academy of Sciences will mount jointly an exhibit
"From Drake to Cook: Two Centuries of British Discovery in the Pacific"

Assistance from the above institutions and grants from the National Endowment
for the Humanities made the program possible.

Further information and reservations made be obtained from the Center for Medieval
and Renaissance Studies, University of California, 405 Hilgard Avenue,
Los Angeles, California 90024

June 12 - 15, 1979
International Map Seminar and Exhibition - CSIR Conference Centre
Pretoria, South Africa

June 12 Workshop  Dr. H. J. Aschenborn, State Library, Pretoria: Welcome
Dr. Hugo L.P. Stibbe, National Map Collection, Canada: Cataloguing of maps
Mr. C. Merrett, Architectural Library, University of Cape Town: Classification of maps
Hon. W.A. Cruywagen, Minister of National Education: Official Opening of Seminar
Dr. I. Norwich, Chairman, Friends of the Library of the University of the Witwatersrand, Johannesburg: Maps of Africa through the ages: The cartography in slides

June 13 Workshop  Miss J. Wilcocks, Dept. of Geography Library, University of the Witwatersrand, Johannesburg: Index maps: their compilation and use as a library holdings and retrieval device
Panel Discussion: The physical care of maps
Visit to the State Library, Pretoria

June 14 Seminar  Mr. H. Fullard, Director of Cartography, George Philip & Son, London
Prof. H. Steward, Graduate School of Geography, Clark Univ., Worcester, Massachusetts: Cartographic knowledge and the Map Librarian
June 14 Seminar (continued) Dr. L. Zöger, Director of the Map Division, Staatsbibliothek, Berlin: Planning and establishment of a map library
Dr. Hugo L.P. Stibbe: Computerisation of map collections
Mr. W. C. Watson, Assistant Director, Office of the Director-General of Surveys, Pretoria: Trends in map production
Mr. T. van der Nest, Pretoria: Microfilming maps
Captain A. Teixeira da Mota, a Portuguese scholar: Ancient Portuguese maps in the collection of Groote Schuur
Presentation of colour micropublication of Portuguese maps

June 15 Seminar Captain A. Teixeira da Mota: Ancient Portuguese cartography
Miss E.C. Liebenberg, Department of Geography, University of South Africa, Pretoria: Topographic maps of South Africa, 1879 - 1979
Mr. H. Wirth, Qualified restorer, University of Stellenbosch: Preservation and restoration of maps
Drive to Johannesburg, where delegates will be able to view one of the following map collections:
The Africana Library
The Gubbins Collection, University of the Witwatersrand
Dr. I. Norwich's private collection
Mrs. R.E. Albrecht's private collection

Publication of Ancient Portuguese Maps on Colour Microfiche

One of the highlights of the Seminar will be the release of a publication of ancient Portuguese maps on colour microfiche. These maps were re-discovered some time ago in the Prime Minister's Library at Groote Schuur by Mrs. B.J. Vorster and the librarian of Groote Schuur. They form part of two volumes of valuable old maps and charts which were acquired by Cecil Rhodes.

These two volumes, lettered Africa and Asia respectively, contain mainly engraved maps and views extracted from various rare works, and date from 1580-1740. The two volumes also, however, contain 46 Portuguese manuscript maps on the coastlines of Africa and Asia from Barbary to Japan, all illuminated on vellum, as well as 17 small, hand-drawn plans of cities and fortresses of the East traced with pen on paper, and coloured. These Portuguese maps and plans date from the latter half of the seventeenth century.

A microfilm of the Portuguese maps was made at the University of Cape Town, and Captain A. Teixeira da Mota, an outstanding Portuguese scholar of historical cartography, was approached with a request to undertake a special study of these maps on the basis of the microfilm. His report was presented to the Centro de Estudos Marinhos in July 1977.

With the co-operation of the persons involved, the State Library will publish a colour microfiche edition of the Portuguese maps. Captain Teixeira da Mota has kindly granted permission for an English translation of his report to be used as the introduction to this publication.

Enquiries: The State Library (International Map Seminar) P.O. Box 397, Pretoria, 0001 South Africa. Information above is from the Second Announcement April 1979.
ASSOCIATION OF CANADIAN MAP LIBRARIES

13th ANNUAL CONFERENCE

Brock University
From May 23 to 26, 1979

ASSOCIATION DES CARTOTHEQUES CANADIENNES

13e CONGRES ANNUEL

Universite Brock
Du 23 au 26 Mai, 1979

PRELIMINARY PROGRAMME

WEDNESDAY, MAY 23

3.00- 8.00  Registration
DeCew Residence

8.00- Icebreaker Reception, hosted by the President of Brock University
Faculty Club

THURSDAY, MAY 24

8.00- 9.00  Registration
Thistle Corridor

8.45- 9.15  Official Welcome
Thistle Theatre

Dr. A. J. Earp, President of Brock University
Thomas Nagy, President of the ACM

9.15- 12.00  PAPER SESSION 1:
The 150th Anniversary of the Welland Canal
Thistle Theatre

Chairman: Dr. J. N. Jackson, Brock University

Dr. A. F. Burghardt, McMaster University: Tumpike to Tollpath to Sail - the Transportational Evolution of the Early 19th Century

Alex Ormston, St. Catharines Historical Museum: The Development of the Four Welland Canals, as Illustrated by Surveys, Maps and Plans

Larry J. Murphy, Author of "Thomas Keefers: At Least Noah's Ark Will Fit - Keefers and Canals of Canada"

12.00- 1.30  Lunch, hosted by the Government of Ontario
Carousel Lounge

1.30- 3.30  Business Meeting
Thistle 245

4.30- Field Trip and Theatre Visit

FRIDAY, MAY 25

8.00- 9.00  Registration
Thistle Corridor

9.00- 12.00  SURVEYING WORKSHOP
DeCew Campus

Coordinator: L. M. Sebert,
Department of Energy, Mines and Resources

12.00- 1.30  Lunch
Carousel Lounge

1.30- 3.30  ROUND TABLE DISCUSSION:
Coping with the Cutbacks
Room: to be announced

Moderator: Kate Donkin, McMaster University

4.30- Trip to Niagara Falls
Dear Colleague,

The XXIV meeting of the Seminar on the Acquisition of Latin American Library Materials (SALALM) will be held June 17-22, 1979 in Pasadena, California. The theme of the Seminar is "Caribbean Research and Resources in Europe and the Americas" and will contain a session of interest to map librarians. A special workshop/roundtable on Latin American Map acquisitions is planned for Tuesday June 19th from 2:00-3:30 PM. The purpose of the session is to provide a forum for discussing problems in acquiring Latin American maps and for the exchange of information. To stimulate discussion a series of speakers will present short papers. The probable panel will be:

3. "Latin American Map Acquisitions; A Positive View". (tentative)
4. "Latin American Bookdealers' Thoughts on Map Acquisitions".
   (Speaker to be announced)

The meeting will be held at the Huntington Sheraton Hotel in Pasadena. Registration is $25.00 SALALM member and $35.00 non-member. If you register the price includes preprints of all papers. Registration and payment is to be sent to: Barbara G. Cox, Latin American Center, Bunche Hall 10349, University of California Los Angeles, Los Angeles, CA 90024. Registration will be held Sunday and Monday 9:00 AM-5:00 PM.

Accommodations can be obtained at a special rate at the Huntington Sheraton Hotel. Singles $28.00 plus tax
Doubles $35.00 plus tax
Make reservations directly to the hotel.

Tentatively there is to be another map paper to be presented at the 9:00-10:30 AM session on Latin American Map Resources in United States Libraries.

Everyone interested in acquiring Latin American maps is encouraged to attend the workshop/roundtable so we may discuss our mutual problems and assist each other. It should be beneficial for librarians as well as bookdealers. If you have any questions about the program you may reach me at (904) 392-0803.

Dr. HelenJane Armstrong
Map Librarian
University of Florida

HA:me
Summer 1979  Ninth Annual Library Institute at the University of California, Santa Cruz

July 6-7
$85.
The New Librarian

The New Librarians: Law Libraries/Opportunities for Placement. Dan Henke, Prof. of Law and Director of Law Library at UC Berkeley Hastings College of Law.

The New Librarian

Betty W. Taylor, Director, University of Florida, Legal Information Center: The New Place of the Library in the Community

The New Library Organization/catalogs and the new media; the new technology. Mortimer D. Schwartz, Director, Law Library, University of California, Davis.

July 29-August 3
$160
Introduction to Bookbinding

Susan Spring Wilson, B.A., Bookbinder and Bookbinding Editor of Fine Print; Fellow of the Designer Bookbinders (of England).

No previous experience with bookbinding is necessary.

August 3-4
$80
Photographs: Collecting, Preserving, and Exhibiting

Larry and Jane Booth, curators, San Diego Historical Society

Topics will include the philosophy of preservation.

August 10-11
$90
Environmental Protection of Library and Archive Collections

Paul N. Banks, conservator, the Newberry Library, Chicago

Control of environmental conditions is thus far the most important (and cost-effective) single thing that can be done to preserve library and archives collections, at least until proven mass preservation treatments are available. This seminar will deal with the measures required to deal with the environment.

August 11-12
$160
Intermediate Bookbinding


A continuation class for those who have taken the Beginning Bookbinding.

August 25
$50
New Careers for Librarians

Terence Crowley, Ph.D., associate professor, Division of Library Science, San Jose State University

A survey of alternative markets.

If there are questions regarding these programs, or for Credit, and enrollment contact Jeanne Ragan, University of California Extension, Santa Cruz, CA 95064 (408) 429-4534. A brochure describing the programs, and other information, is also available.

Forthcoming Meetings & Workshops (continued on page 291)
## SANBORN FIRE INSURANCE MAPS
OF COMMUNITIES IN MISSOURI

Housed in the Elmer Ellis Library
University of Missouri at Columbia

Compiled by Karl H. Proehl*

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* Mr. Proehl is Map Librarian at The Pennsylvania State University, University Park, Pennsylvania. He did his library degree work at the University of Missouri, Columbia, and was a student assistant in the Map Collection. He compiled this list for the librarian in charge of the Geography-History-Philosophy Library in the Ellis Library.
BLOOMFIELD, Stoddard 1910 1919
BLUE SPRINGS, Jackson 1927
BOGARD, Carroll 1917
BOLIVAR, Polk 1894 1900 1909 1928
BONNE TERRE, St. Francois 1894 1899 1908 1915 1927
BOONVILLE, Cooper 1885 1892 1900 1910 1917 1910 1929
BOWLING GREEN, Pike 1886 1890 1895 1902 1909 1929
BRANSON, Taney 1913 1926
BROOKFIELD, Linn 1885 1893 1898 1905 1911 1924 1915
BROWNING, Linn & Sullivan 1915
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  1884

RUTLEDGE, Scotland
  1916

SALEM, Dent
  1896

1900

ST. CHARLES, St. Charles
  1886
  1893
  1900
  1909
  1917
  1924

SHELBYVILLE, Shelby
  1886

ST. CLAIR, Franklin
  1924

SHELTON, Vernon
  1894
  1910
  1918
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<td>Sikeston, Scott &amp; New Madrid</td>
<td>Crawford</td>
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<td>Troy, Lincoln</td>
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<td>Stotts City, Lawrence</td>
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<td>Union, Franklin</td>
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<td>1930</td>
<td>1927</td>
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WARSAW, Benton 1892 WELLSVILLE, Montgomery 1886 WHEATON, Barry 1923
1898 1893 1900 1933
1909 1900 1909
1926 1929
WASHBURN, Barry 1929
1902 WENTZVILLE, St. Charles 1927 1906 1914
1914
WASHINGTON, Franklin 1929
1893 WEST PLAINS, Howell 1893 WINDSOR, Henry 1885
1908 1900 1891
1916 1906 1896
1926 1914 1902
WAVERLY, Lafayette 1924 1909
1932 1920 1932
1992 1948
1900 1910
WESTBORO, Atchison 1916 WINTHROP, Buchanan 1916
1996
WAYLAND, Clark 1902
1916 WESTON, Platte 1886 WRIGHT CITY, Warren 1912
WEBB CITY, Jasper 1892
1885 1900
1893 1909
1900 1924

Forthcoming Meetings & Workshops (continued from page 279)

U.S.G.S. International Centennial Symposium: "Resources for the Twenty-first Century"
October 14 - 19, 1979 National Headquarters, Reston, Virginia
For further information write to: Mary Ellen Williams, Executive Secretary
Accommodations will be at: International Resources Symposium
Sheraton Inn & International Conference Center U.S.G.S. 950 National Center
11810 Sunrise Valley Drive, Reston, VA 22092

The aim of the symposium is to bring together scientists from countries with differing resources, environmental problems, and degrees of development in order to examine our mutual interests and our individual problems, as we approach the challenges of the coming century. In its Centennial Year, U.S.G.S. hopes that planning for the future will be helped by the exchange of information among scientists who are involved in various aspects of the problems. In addition to papers given by a group of authoritative speakers, time will be available for formal and informal discussions of the issues raised during the meeting. The Geological Surveys welcomes the joint sponsorship of the Commission for the Geological Map of the World in a session on modern cartographic and publication techniques for geologic maps on October 19.

The Preliminary Program (program details only) follows:
United States Geological Survey  
INTERNATIONAL CENTENNIAL SYMPOSIUM  
"RESOURCES FOR THE TWENTY-FIRST CENTURY"  
October 14-19, 1979  
National Headquarters  
Reston, Virginia  
PRELIMINARY PROGRAM

Sunday, October 14, 1979

Arrival, check-in, registration (Sheraton Inn); Reception & Social 5:30 p.m.

Monday, October 15, 1979 A.M.

Introductory session: General scope of earth science challenges for the 21st C.  
Frank C. Whitmore, Jr., General Chairman: Background and objectives  
H. William Menard, Director, U.S.G.S.: Greeting  
Philip Handler, President, National Academy of Sciences: Intro. Address  
J.R.A. Ramos, Brazil: Major challenges & opportunities for national geo-  
science programs—a Brazilian viewpoint  
S. Sigit, Indonesia: ... --an Indonesian viewpoint  
Discussion: D.J. McLaren, Canada - & - H.W. Menard, USGS

Monday P.M.

An overview of problems and requirements for identifying, exploring, and de-  
veloping resources. Chairman: D. Peck--USGS  
M.O. Oyawoye, Nigeria: The outlook from Nigeria  
B.K. Hyun, South Korea: The outlook from South Korea  
Discussion: Y. Shimazaki, Japan - & - W.C. Overstreet, USGS (retired)  
H.J. Lavie, Venezuela: The outlook from Venezuela  
G.A. Moustafa, Egypt: The outlook from Egypt  
Discussion: G.P. Salas, Mexico - & - G.E. Tolbert, USGS

Tuesday A.M.

Opportunities and perspectives in surveying, mapping, and cartography.  
Chairman: R. Southard--USGS  
C.O. Ternryd, Sweden: Surveying  
Discussion: W.F. Roberts, Canada  
J.A. Villasana L., Mexico: Mapping  
Discussion: F. Ackerman, Germany  
G. Konecny, European Space Agency: Satellite data systems  
Discussion: F. Doyle, USGS  
J.M. Zarzycki, Canada: Automated cartography  
Discussion: E. Spiess, Switzerland  
Panel Discussion

Tuesday P.M.

Challenges and problems concerning energy resources. Chair: C.D. Masters--USGS  
F.N. Bender, Germany: The world outlook for energy resources
J. Cameron, International Atomic Energy Agency: An international view of nuclear raw materials
Discussion: H. Brand, United Nations Center for Natural Resources, Energy and Transportation - & - V.E. McKelvey, USGS
F. Zuniga, Peru: Requirements for assessment of energy resources options
M. Grenon, Austria: World oil resources assessment and potential for the 21st century
Discussion: M.K. El Ayouty, Egypt - & - B.F. Grossling, USGS

Tuesday Evening Dinner (Sheraton Inn)
Zaki Yamani, Minister of Petroleum and Mineral Resources of Saudi Arabia

Wednesday A.M.
Challenges and problems concerning mineral resources. Chair: G.E. Becraft-USGS
C. Ruiz, Chile: Organizing a national assessment of mineral resources
S.A. Bilgrami, Pakistan: Research on mineral exploration concepts & tech.
Discussion: C. Nishiwaki, Japan - & - C.W. Sweetwood, DOS
G. Dengo, Instituto Central American de Investigacion y Tecnologia Industrial: Identifying and evaluating industrial mineral resources
A. Johannas, Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Off-shore Areas: Exploring and evaluating seafloor

Wednesday Noon Lunch (Sheraton Inn)
John Morgan, Associate Director, U.S. Bureau of Mines: World Mineral Supply

Wednesday P.M.
Water and People. Chair: J.S. Cragwall, Jr., USGS
Speaker to be announced: Water policy
G.I. Cano, Argentina: Water legislation
Speaker to be announced: Water, floods, and drought
Speaker to be announced: Water and the economy
Panel discussion

Wednesday Evening (Sheraton Inn) Speaker and Discussion session.
Professor R. Trumpey, Switzerland: Earth history as moral lesson

Thursday A.M.
Geologic hazards and man. Chair: R.L. Wesson, USGS
A.A. Giesecke, Peru: Earthquake hazards, and requirements for their mitigation in the Andean region
N. Canitez, Turkey: A regional earthquake research program in S.W. Asia
Discussion: N.W. Ambray, U.K. - & - R.E. Wallace, USGS
A.P. Alcarraz, Philippines: Volcanic hazards and their effects in S.E. Asia
I.L. Nersesov, USSR: Urban development in relation to earthquakes, landslides, and unstable ground
Discussion: J. Rapp, USGS
Discussion: K. Kasahara, Japan - & - R.S. Fiske, Smithsonian
Thursday Lunch (Sheraton Inn)

Speaker: Frank Press, Science Advisor to the President of the U.S.

Thursday P.M.

Geological factors and man's environment. Chair: J.R. Baisley
M. Kursten, FRG: Environmental problems and geological applications
J. Puig de la Parra, Mexico: Integrated regional surveys for environmental studies
D. Nichols, USGS: Application of earth sciences to land-use problems in the United States
M.V.N. Murthy, India: Environmental mapping in India
C.S. Christian, Australia: Australia's approach to environmental mapping
O. Bittencourt N., Brazil: SLAR as a tool for natural resources mapping--Brazilian approach

Friday A.M.

Cartography and printing of colored geological maps -- in collaboration with the Commission for the Geological Map of the World. Chair: D.M. Kinney, USGS
R.E. Ehrenberg, National Archives and Records Service, General Services Adm.: Developments in cartography and printing influencing the publication of geologic maps; an historical appraisal
H.J. Vojacek, Australia: Cartography by mechanical windows and printing with line screens and dot screens
R. Kidwell and R. Shaff, USGS: Hand-colored maps separated electronically and photographically for 4-color printing
J.M. Botbol, USGS: Computer generation of geological maps from geological data banks
G.J. Roberts, Geological Survey of Canada: Geological Survey of Canada's 1:1,000,000 scale geological map series: cartography by digitization
N. Yingling, Sci-Tex Corp., Ohio: Computer assisted color separations -- scanner and laser plotter
A.N. Williamson, U.S. Corps of Engineers, Mississippi: Computer assisted color separations -- Optronix plotter

Friday P.M.

A.L. Dilonardo and D.M. Kinney, Moderators, USGS: Speaker Panel: Summary-evaluation of national technological development vs. choice of cartographic and printing techniques

Adjourn 3:00 P.M.

Accommodations at the Sheraton Inn are listed at $43.-Single, $53.-Double. +6% tax Reservations must be received not later than 4 weeks prior to arrival date.

Pre-Registration with the Executive-Secretary is urged due to limited space. Mary Ellen Williams, U.S.G.S., 950 National Center, Reston, VA 22092.
NEW MAPPING OF WESTERN NORTH AMERICA

Contributions by:  

BC = Barbara Cox, Map Librarian, Marriott Library,  
University of Utah, Salt Lake City

EP = The Editor

ARIZONA & UTAH

BC  
Jones, Stan  
Lake Powell country and Glen Canyon National Recreation Area in  
Available from Mr. Jones at P.O. Box 955, Page, AZ 86040 $2.50 post  
paid

ARIZONA & NEW MEXICO

EP  
Luedke, Robert G., and Robert L. Smith  
Map showing distribution, composition, and age of late Cenozoic  
volcanic centers in Arizona and New Mexico. Reston, VA., U.S. Geologi-  

2 col. maps: 1:1,000,000 & 1:500,000

U.S. Bureau of Land Management  
Surface Management edition @ 1:100,000 depicting public lands managed  
by BLM, other federal lands including those of the National Park Ser-  
vie, Fish and Wildlife Service, and other state land, and private  
lands.  
Surface-Minerals Management edition @ 1:100,000 is above edition with  
extent of Federally owned mineral rights overprinted.  


Format: one degree of longitude wide (east to west) and 30-minutes  
high (north to south), on sheet 76 x 107 cm.  

ARIZONA:  Boulder City 1978  
Available from: BLM, Arizona State Office, 2400 Valley Bank Center,  
Phoenix, AZ 85073

Western Economic Research Co.  
Zip Codes in Arizona. 30" x 37" Available as paper print @ $10., or  
as mylar overlay @ $16.

Major Streets & Highways in Arizona. 30" x 37" Available as paper  
print @ $10., or as mylar overlay @ $16.

Available from: Western Economic Research Co., 13437 Ventura Blvd.,  
Sherman Oaks, CA 91423
CALIFORNIA

Jorgensen, L. N., A. L. Seacer, and S. J. Kaus
Hydrologic basins contributing to outflow from Lake Tahoe, California-
gations Atlas HA-587.
col. map: 1:62,500

U.S. Bureau of Land Management
for the following 1:100,000 quads:


Available from: BLM California State Office, Federal Office Bldg.,
Room E-2841, 2800 Cottage Way, Sacramento, CA 95825

Rare II Areas / Los Padres National Forest, January 1979.
two blueprint maps @ ca. 1:190,000 26.5" x 19.5", and 26.5" x 35.5"
depicts: Existing, Proposed, Non-Wilderness, Further Planning.

Available from: U.S. Forest Service. Los Padres National Forest,
Supervisor's Office, 42 Aero Camino St., Goleta, CA 93017

IDAHO

U.S. Bureau of Land Management
for the following 1:100,000 quads:

Borah Peak 1978; Sun Valley 1978; Wallace 1978.

Available from: BLM Idaho State Office, Room 398 Federal Bldg.,
550 West Fort St., Boise, ID 83724 (P.O. Box 042)

MONTANA

U.S. Bureau of Land Management
for the following 1:100,000 quads:


Available from: BLM Montana State Office, Granite Tower Bldg., 222 N.
32nd St., Billings, MT 59107 (P.O. Box 30157)

NEVADA

(see also: Jorgensen citation listed under California above)

U.S. Bureau of Land Management
for the following 1:100,000 quads:

Available from: BLM Nevada State Office, Federal Bldg., Room 3008, 300 Booth Street, Reno, NV 89509

Zietz, Isidore, Francis P. Gilbert, and John R. Kirby

col. map @ 1:1,000,000
Prepared in cooperation with the Nevada Bureau of Mines and Geology.

NEW MEXICO
(see also: Luedke citation under Arizona & New Mexico above)

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition for the following 1:100,000 quads:


Available from: BLM New Mexico State Office, U.S. Post Office & Federal Bldg., South Federal Place, Santa Fe, NM 87501 (P.O. Box 1449)

OREGON

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition for the following 1:100,000 quads:


Available from: BLM Oregon State Office, 729 N.E. Oregon St., Portland, OR 97208 (P.O. Box 2965)

Western Economic Research Co.
Zip Codes in the Portland-Salem Region, includes Corvallis, Eugene and Vancouver, Washington. 30" x 42" Available as paper print @ $10., or as mylar overlay @ $16.

Major Streets & Highways in the Portland-Salem Region, includes Corval-
lis, Eugene, and Vancouver, Washington. 30" x 42" Available as paper print @ $10., or as mylar overlay @ $16.

UTAH

U.S. Bureau of Land Management
for the following 1:100,000 quads:

Logan 1978; Ogden 1978.

Available from: BLM Utah State Office, Federal Bldg., 125 S. State,
Salt Lake City, UT 84147 (P.O. Box 11505)

(see also: entry for Jones in Arizona & Utah above)

WASHINGTON

U.S. Bureau of Land Management
for the following 1:100,000 quads:


St., Portland, OR 97208 (P.O. Box 2965)

Western Economic Research Co.
Zip Codes in the Seattle-Puget Sound Region. 29" x 42"
Available as paper print @ $10., or as mylar overlay @ $16.

Major Streets & Highways in the Seattle-Puget Sound Region. 29" x 42"
Available as paper print @ $10, or as mylar overlay @ $16.

Western Economic Research Co., 13437 Ventura Blvd., Sherman Oaks, CA
91423

(see also: citation for Western Economic Research Co., under Oregon,
Portland-Salem Region map includes Vancouver, Washington)

WESTERN REGION

U.S. Geological Survey
Land Use and Data Analysis (LUDA) maps for western USGS region states
In addition to those that were listed on pages 163-164 of the March
1979 Information Bulletin (Vol. 10, No. 2):

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<td>WA</td>
<td>B 1 2 3 4</td>
<td>78-813</td>
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</table>

* Base available (from 100K file); B = Planimetric base; 1 = Land Use and Land
Cover; 2 = Political Units; 3 = Census County Subdivisions; 4 = Hydrologic units.
DEALERS' CATALOGS RECEIVED

Richard B. Arkway, Inc. (formerly The Cartographer) 114 East 61st St., New York, NY 10021


Item #3 = a 1507 Ptolemy atlas = $24,000.

Bow Windows Book Shop 128 High Street, Lewes, East Sussex, BN7 1XL England

Catalogue Seventy-Nine
854 items, including Topography and Travel

Broekema, C. Antiquarian Book and Mapseller 28 Titiaanstraat - 1077 R H Amsterdam, Holland

Catalogue 61: Rare Books and Old Maps. 740 items, 11 illustrations, indexed, annotated.

Robert Douwma (Prints & Maps) Ltd. (formerly Weinreb & Douwma Ltd.) 93 Great Russell Street, London WC1 NOTE: The name of the firm Weinreb & Douwma Ltd., has changed to Robert Douwma (Prints & Maps) Ltd. on the retirement of Ben Weinreb. B. Weinreb Ltd. and B. Weinreb Architectural Books Ltd. will continue trading as before.


Richard Fitch. Old Maps and Prints. 2324 Calle Halcon, Santa Fe, New Mexico 87501

Catalogue No. 32: Americana. 1979. 36 pp.; 235 items; 61 illustrations. Includes early maps of all the areas of WAML's Principal Region. Each map is extensively annotated and referenced to standard bibliographies, and the original source of the item is provided.

W. Forster. 83a Stamford Hill, London, N16 5TP

List No. 142 (1979): Palaeography, including Bibles, Bookbinding, Cartography, Sale Catalogues.

Frontier America Corporation, Box 3698, Bryan, Texas 77801 (S. Reese, Fred White, Jr., proprietors)

Catalogue 29: Rare Americana. 84 pp.; 265 items; 7 illustrations. #119 = History of the expedition of Lewis & Clark (1814) = $17,500. Many items related to the WAML Principal Region.
Geologic Map Service (Telberg Book Corp.), P.O. Box 920, Sag Harbor, N.Y. 11963

Catalog pages 214, 316, 317, 318, 318-A of the "Detailed Catalog" 8½ x 11 sheets, loose-leaf, annotated citations to maps and atlases in stock and items expected. Not all citations give full bibliographic information, makes for troublesome verification. Pages 316-317: "Geological maps of Latin America". Earth science maps predominate, but topographical sheets are offered occasionally.

Bernard Quaritch Ltd. 5-8 Lower John Street, Golden Square, London W1R 4AU


R. M. Weatherford - Books P.O. Box 3211, Columbus, OH 43210

Catalog 22: Americana Miscellany. Winter 1979. 73 pp.; 30 illustrations; Brief annotations on some citations. Of the 886 items offered, a great number are on Indians of the American West; many of the books, of course, contain maps, although they are not fully identified here.

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PUBLISHERS' CATALOGS RECEIVED

AUSTRIA. Bundesamt für eich- und vermessungswesen in Wein (Landesaufnahme). Krotenthalergasse 3, A-1080 Wien VIII, Austria. Verlags-Verzeichnis 1979. (with) Preisliste der Offiziellen Karten ... 1979. A graphic index to all topographic series, Austria and Central Europe @ 1:200,000; & 1:750,000; topo series of Austria are @ 1:25,000 & 1:50,000.

Bartholomew, John & Son Ltd., Duncan Street, Edinburgh EH9 1TA, Scotland.


Gale Research Co., Book Tower, Detroit, Michigan 48226


Accompanying the basic catalog are updated graphic indexes for aerial photography (Übersichtskarte der Bildflüge/Landesvermessungsamt des Saarlandes, 1978/79); and topographical quads (Amtliche Karten und Luftbilder neuerscheinungen/Übersichten und Entgelte, 1979, Gültig ab 1.1. 1979)
GREENWOOD PRESS, INC., 51 Riverside Ave., Westport, CT 06880

UPDATE (a monthly checklist of new publications): April-May, 1979 = Availability List Number 92.

Reprint & Original Publications.

HALSTED PRESS (a division of John Wiley & Sons, Inc. @ 605 Third Avenue, New York, NY 10016) Box 1313, Somerset, New Jersey 08873

Scripta Series in Geography, published by V. H. Winston & Sons, and distributed exclusively by Halsted Press.

Some titles: Applied Medical Geography, by Gerald F. Pyle

Economic Development in Retrospect, by Allan Rodgers

Gateway to Siberian Resources (The BAM), by Victor L. Mote, and Theodore Shabad

Nonmetropolitan Industrialization, by Richard E. Lonsdale, and H. L. Seyler

The Soviet Energy System, by Leslie Dienes, and Theodore Shabad

Halsted distributes many other titles in U.S., including:

Cartographic Design and Production, by J. S. Keates (1976)

Mapping from Aerial Photographs, by C. D. Burnside (1979)

Maps and Air Photographs, Images of the Earth, 2nd Ed., by G. C. Dickinson (1979)

MARSHALL PENN-YORK CO., INC. 538 Erie Blvd. West, Syracuse, New York 13204

Visual Encyclopedia - Folding Maps: New York State, city-county map series; Metropolitan city maps series; Multi-county or regional map series; Connecticut: Metropolitan city map series; Pennsylvania; New Jersey; and special maps and atlases.

The Adirondack Atlas (1980 Olympic Edition), i.e., a 36" x 49" wall map @ $3.79 1979.

"As a special map Library Promotion, .... " volume discounts of 10%, 15%, and 20%, for orders of $35, $50, $100 respectively. Each map lists at $2.00.

GEORG OLMS VERLAG (Publisher), Hagentorwall 7, D-3200 Hildesheim (W. Germany) & Georg Olms Publishing, 52 Vanderbilt Avenue, New York, NY 10017.

II/79: Geographie/Friße Reiseliteratur/Geography & Travels

Reprints of older classics.
The Royal Geographical Society, 1 Kensington Gore, London SW7 2AR, England
Publications and Maps 1979.

Western Economic Research Co., 13437 Ventura Blvd., Sherman Oaks, CA 91423
1979 Catalog = Maps & Small Area Data
Coverage of ZIP code maps now includes Washington, Oregon, California, and Arizona. Coverage of Base Maps has been extended to Portland-Salem Region, and Seattle-Puget Sound Region.

More -- DEALERS’ CATALOGS RECEIVED -- Late Arrivals

Antique Map Mail Auction, 5614 Northfield Rd., Bethesda, MD 20034
Tim Coss (301) 657-9074, weekday evenings, 6-9, Eastern time
Auction No. 1 (Closing Date: May 18, 1979.) 252 items, 12 illus.

Michael Ginsberg Books, Inc., Box 402, Sharon, MA 02067
Catalogue Nineteen: Rare Americana/Books, Pamphlets, Newspapers, and Documents. 200 items, annotated, 11 illus.
In spite of the subtitle of the Catalogue Nineteen, there are several important maps included, as well as atlases.

Credric L. Robinson, Bookseller, 597 Palisado Avenue, Windsor, CT 06095

Cosmos Antiquarian Books, P.O. Box 30, Kastanjelaan 3, Netherlands
Catalogue 15: Geology, Mineralogy, Petrography. 706 items.
Geological Maps are listed - items 678 - 704. Some maps are antiquarian and some are modern.

Capt. K. S. Kapp, Box 64, Osprey, Florida 33559 (NOTE: new address)
Catalogue XVI: [June 1979]. 800 items, 17 illus.
Covers all parts of the world.

Lewis H. Buttery, 407 West First St., Lampasas, Texas 76550
Notice of Publication of Issue No. 4 of the OLD MAPS OF THE SOUTHWEST facsimile portfolio series - Walker Maps of 1849 & 1852 - to be released in June 1979. $8.00 + $1.00 postage and handling.
MINUTES

Meeting of the Executive Committee
Western Association of Map Libraries (WAML)
Spring Meeting - March 29-30, 1979
U.S.G.S. - Menlo Park, California

A meeting of the Executive Committee was called to order at 9:00 a.m.,
Thursday, March 29, 1979, by President Frances Woodward at the U.S.G.S. Western
Mapping Center, Menlo Park, California. Members present, in addition to Ms.
Woodward: Larry Cruse, Stan Stevens, and Sylvia Warren (Secretary Pro Tem).

The minutes of the previous meeting in Reno were approved after one correction
was made: the name of Mary Larsgaard was substituted for Mary Ansari on page
18 of the Information Bulletin (Vol. 10, No. 1, November 1978), as the partici-
pant in the panel discussion on Map Collecting and Cataloging before the Nev-
13, 1978 at Stateline, Nevada.

Conference Fees

Larry Cruse introduced the possibility of charging a conference fee for each
meeting. The cost of meetings is going up all the time and more money is need-
ed out of the General Fund to cover expenses. Stan Stevens pointed out that
the use of the General Fund to cover these extra conference expenses would pre-
vent its use for other purposes and projects. Larry Cruse proposed that WAML
charge a $5.00 registration fee per conference and any money left over would
be used to help cover the expenses of future conferences.

Previously, WAML always had their meetings at the local universities where fa-
cilities were free. Now the universities are starting to charge for the use
of their facilities. There has also been an attendance increase at the meet-
ings and the facilities that were previously used are no longer adequate.

The cost of the San Diego and Seattle meetings was about $175. each. The Menlo
Park meeting cost a minimum of $200. and the Davis meeting is estimated at
approximately $300. There will probably be no room fee for the Fall 1979 meet-
ing in Tuscon, Arizona. The main expense will probably be refreshments for the
three coffee breaks during the conference (approx. $200.).

Stan Stevens pointed out that one of the disadvantages of having a registration
fee would be that it might discourage attendance at the conferences, especially
since we have never before charged registration fees. Larry Cruse mentioned
the possibility of many unforeseen expenses coming up in the future. One of
the advantages of charging a registration fee is that you are taxing those who
attend and benefit from the conference rather than raising the membership dues.
There was general agreement among the members of the Executive Board that the
General Fund should be used to support scholarly work such as publications,
and that the registration fees should cover conference costs.

It was suggested that we try sending a registration form to the Members prior
to the next meeting asking them to send in the $5.00 registration fee. There
was a general discussion on whether or not the Hospitality Committee should
handle this mailing. The people who prepaid their fee would have their receipt
and packet already waiting for them when they arrive at the conference. It
would be up to the Executive Committee to ensure that the kits, badges, etc. are prepared prior to the conference.

Larry Cruse moved that WAML charge a fee of $5.00 per conference to cover expenses. It was suggested that the Executive Committee present to the Membership the decision to have a registration fee and open the floor for discussion and comments. Stan Stevens seconded the motion. Stan suggested we evaluate the subject in a year. We would keep the money from the fees in the General Fund, but keep track of it. Also, the question should be evaluated again if the fee seems to keep people from attending the meetings.

**Honorariums**

Stan Stevens brought up the subject of honorariums and whether or not WAML should have them for guest speakers. In the past we have only paid for housing and the speakers have paid for their own transportation to the meetings. Frances Woodward suggested we keep the subject of honorariums open and not make it a policy to pay them. Should the opportunity of a special guest speaker arise, the possibility of an honorarium could be discussed at that time. Frances feels we should draw on our own talent within WAML for guest speakers whenever possible. Larry Cruse thought it would be a nice gesture to pay for the guest speaker's lunch, but give the host the freedom to use discretion in this area.

**Nominations**

There was a general discussion of the nominating procedures for next year's officers. Stan reported that there is a new nominating committee of three members selected each Spring by the President. The nominating committee makes their recommendations to the general membership and sends out the ballots so the new officers will be announced by July 1st when the new term of office begins. The nominations are always sent out in a special mailing. Stan will provide addressed envelopes that the committee will need. He recommended that one member from the previous nominating committee continue to serve in order to provide continuity. The new members of the 1979/80 Nominating Committee are: Herb Fox (Chairman), Muriel Strickland, and Ron Whistance-Smith.

**Finances**

Stan Stevens, Treasurer, reported that our cash on hand, and in the checking and savings accounts, is about $3,240. All bills have been paid except for a few minor meeting expenses. Larry Cruse estimates that the Menlo Park meeting will cost between $200 and $300. The cost of all publications to date, including the current issue of the *Information Bulletin*, has been paid, so our finances are in a healthy state.

**WAML Occasional Papers**

Stan reported on the sales of the WAML Occasional Papers. When the 1977/78 Annual Report was given we needed to sell 74 additional copies of Occasional Paper No. 1. We have now sold 17 more copies, leaving a total of 57 more in order to break even on No. 1. In the last report we needed to sell 49 more copies of No. 2 to break even, and have since sold 39. 81-copies was the number we needed to sell for No. 3, and since that report we have sold 51 copies. We will undoubtedly break even on the sale of the first three Occasional Papers with additional left over to sell for "profit". Total sales to date for the first three are: #1 = 210, #2 = 219, and #3 = 129.
WAML printed 750 copies of the first OP, and have since amended the printing to reflect the sales potential. 400-copies were printed for OP No. 4, and 300-copies for OP No. 5. On OP No. 5 we only have to sell 157 more to break even.

The brochure designed by Harold Otness for all five Occasional Papers really helped to stimulate sales. The brochure was inserted in the Information Bulletin. One-thousand copies of the brochure were printed and it will be distributed along with the membership brochure to potential members.

**Future Conferences**

Larry Cruse reported that Linda Cottrell has agreed to hold the next WAML meeting at the University of Arizona in Tucson. The dates will be October 25-26, 1979. The program was discussed. Frances Woodward suggested that the host should have some idea of what kind of a program they wish to have. The Executive Committee should pass on suggestions and ideas, but the host should have some options and be given the freedom to develop the program. Stan stated that we should bring in some of our own members to speak. In the past, we have had more outside speakers and our own members are essentially an untapped resource. Frances also felt we should get more people involved. Stan suggested getting papers for our publications from our own members. This would help the members get funding for the conferences as well as generate interest.

Larry led a general discussion on future WAML conference sights and listed their location through the Fall 1981 meeting:

- **Fall 1979:** Univ. of Arizona, Tucson, Oct. 26-27.
- **Spring 1980:** Univ. of California, Davis, Apr. 24-25.
- **Fall 1980:** Univ. of Utah, Salt Lake City
- **Spring 1981:** Univ. of California, Berkeley (tentative)
- **Fall 1981:** Univ. of Alberta, Edmonton

It was suggested that the Hospitality Committee be in charge of transportation coordination for the meetings.

Meeting adjourned at 12:00 noon.

Respectfully submitted,

Sylvia Warren
(Secretary Pro Tem)
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<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Address</th>
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<tbody>
<tr>
<td>Lee W. Aegers</td>
<td>USGS/NCIC</td>
<td>345 Middlefield Rd.</td>
<td>415 323-8111</td>
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<td>Menlo Park CA 94025</td>
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<td>Mary Ansari</td>
<td>Univ Nevada Reno</td>
<td>Mines Library</td>
<td>702 784-6596</td>
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<td>Enrique Samper Blasco</td>
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<td>DETENAL, PO Box 7577</td>
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<td>Larry Carver</td>
<td>UC Santa Barbara</td>
<td>Map &amp; Imagery Collections 714 961-4049</td>
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<td>Janet Collins</td>
<td>Western WA Univ.</td>
<td>1327 Toledo</td>
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<tr>
<td>Cheryl Coumans</td>
<td>NCIC-Denver</td>
<td>Box 25046 Denver Federal Center, Denver CO 80225</td>
<td>FTS 234-5722</td>
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<tr>
<td>Barbara Cox</td>
<td>Univ Utah</td>
<td>158 Marriott, U. Utah</td>
<td>801 581-7533</td>
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<td>Salt Lake City, UT 84112</td>
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<tr>
<td>Noel DeHart</td>
<td>Southern Oregon Hist. Society</td>
<td>P.O. Box 480 Jacksonville, OR 97530</td>
<td>503 899-1847</td>
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<td>Richard Endeman</td>
<td>Univ. So. Calif.</td>
<td>13031 Calvert St.</td>
<td>213 780-6204</td>
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<td>John G. Fetros</td>
<td>San Francisco Public Library</td>
<td>251 McAllister St.</td>
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<td>Herbert S. Fox</td>
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<td>Cedar &amp; Shaw</td>
<td>209 487-2174</td>
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<td>Sharon Gibson</td>
<td>San Francisco St. U. Order Dept. SFSU Lib.</td>
<td>1630 Holloway, S.F. 94132</td>
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<td>Marjorie Henry</td>
<td>Seattle Public Lib.</td>
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<td>Steve Hiller</td>
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<td>405 372-2478</td>
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<td>Bancroft Library</td>
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<td>LaVonne Jacobsen</td>
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<td>Sandra Lamprecht</td>
<td>Cal. St. Univ.</td>
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<td>Robert E. Lee</td>
<td>U.C. Berkeley</td>
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<td>Muriel Strickland</td>
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<td>Larry Cruse</td>
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Western Association of Map Libraries
Spring Meeting, March 29-30, 1979
USGS National Cartographic Information Center-Western
Menlo Park, California

Thursday, March 29

Call to Order - Frances Woodward, WAML President 1978/1979
Welcome to WMC - Dan Pinkerton, Asst. Chief, Western Mapping Center
Business Meeting - Frances Woodward, presiding
Guest Speaker - Dr. Helen Wallis, Head, British Library/Map Library
Guest Speaker - Senor Enrique Samper Blasco, DETENAL/Mexico

Friday, March 30

Display area - Map Exchange & Exhibits of Map Publishers & Micro-
graphic Equipment & Services & Manufacturers
Speaker - Lee Aggers, Chief, NCIC-W: "NCIC Programs"

Continued on page 319
WAML Nominating Committee Report

ELECTION OF OFFICERS

Under the terms of the WAML Constitution (see Information Bulletin Vol. 5, No. 1 (Nov. 1973) pp. 49-52) the president-elect Larry Cruse automatically succeeds to the Presidency on 1 July 1979. The current President, Frances Woodward, will, on the same date, become the immediate past-President and both will serve on the Executive Committee. All other officers must be elected for the term 1 July 1979 to 30 June 1980.

The following members have accepted the Nominating Committee’s nomination for the offices listed below:

President-elect        David Lundquist, Map Librarian, University Library, University of California, Davis
Secretary              Marjorie Henry, History Department, Seattle Public Library, Seattle, Washington
Treasurer              Stanley Stevens, University Library, University of California, Santa Cruz

Members may vote for persons other than those presented above, however, only one vote shall be cast for each office. Please indicate your choices on the ballot below.

Ballot to be returned by 25 May 1979.

Submitted by the Nominating Committee: Herb Fox, Chairman, Muriel Strickland, and Ronald Whistance-Smith

RESULTS OF WAML ELECTION

The ballots have been counted. 55 ballots were cast.

Congratulations to the Officers for the 1979-80 term:

President        Larry Cruse
President-elect   David Lundquist
Secretary        Marjorie Henry
Treasurer        Stanley Stevens

31 May 1979

The Nominating Committee: Herbert S. Fox, Chairman
California State Univ. Fresno

Muriel Strickland
San Diego State University

Ronald Whistance-Smith
University of Alberta, Edmonton
WAML MEMBERSHIP LIST 1977/78: Additions and Changes to June 1, 1979

(The last Additions and Changes to the List appeared in Volume 10, No. 2
March 1979, pp. 210-212)

NEW PRINCIPAL REGION MEMBERS

Stephany Eger
History Library
Museum of New Mexico
P.O. Box 2067
Santa Fe, NM 87503

Pauline Gunter
Government Documents/Maps
Rasmuson Library
University of Alaska
Fairbanks, AK 99701

Paul Leverenz
Scripps Institution of
Oceanography Library C-075C
University of California
La Jolla, CA 92039

Alice L. Sharp
Documentary Resources
Colorado Historical Society
1300 Broadway
Denver, CO 80203

Sylvia B. Warren
Monographs/Maps C-075A
Acquisitions Dept.
Central Library
University of California
La Jolla, CA 92039

PRINCIPAL REGION - Deletions

Jean Beckner - Claremont, CA
Wesley R. Catlin - Fair Oaks, CA
Robert B. Fisher - Fremont, CA
Dan Gardner, Norwalk, CA
Nathan Hamonds Jr. - Los Angeles, CA
E. Douglas Hinkle - Phoenix, AZ
Mary Hoeber - Cupertino, CA

G. Don Miller - Eugene, OR
Marion J. Otterraen - Longview, WA
Alan Edward Schoor - College, AK

ASSOCIATE MEMBERS - Deletions

Lorne B. Leefloor - Ottawa, ONT
Christine Reinhard - Madison, WI
Linda Siler-Regan - Springfield, VA
John Van Balen - Vermillion, SD

NEW INSTITUTIONAL MEMBER

Gregory A. Whittingham
Maps & Records
Stanford University
315 Bonair
Stanford, CA 94305

NEW SUBSCRIPTIONS TO INFORMATION BUL.

Minnesota Historical Society
Library - Serials Unit
690 Cedar St.
SAINT PAUL, MN 55101

University of Texas at El Paso
Library
El Paso, TX 79968

SUB DELETIONS: B. V. Terry

TOTAL MAILING LIST:

Institutional Members 30
Subscribers 191
Exchange Agreements 12
Associate Members 60
Principal Regn. Members 116

As of June 3, 1979 409
WESTERN ASSOCIATION OF MAP LIBRARIES

TENTATIVE PROGRAM    FALL MEETING,

October 25-27, 1979

Location:  University of Arizona, Library Multipurpose Room
Tucson, Arizona

Hosts:  Linda D. Cottrell, Map Librarian, University Library
        University of Arizona, Tucson, AZ 85721 (602)626-2596

Tour:  University of Arizona Map Collection - FACILITIES, STAFF,
       PROGRAMS, EXPERIENCES (not just another tour; this is one of the
       finest map collections in the West. Question is, how did they manage
       it? Why have they discontinued OCLC cataloging? Where are they headed?

TOUR:  University of Arizona Space Imagery Center - Large volume
       map/remote sensing imagery base with computer linked graphic
       user aids. Does the future really work?

PANEL:  Panel discussion of Map Library acquisitions newsletters;
        motives, costs, yields. Is this what you should be doing with your
        free time?

PAPERS:  LA FRONTERA - a series of invited presentations on the
         geographic, cartographic and documentary significance of the
         trans-border Sonoran Desert region.

Details of the Program are being coordinated by Larry Cruse, WAML
President. Inquiries should be directed to him regarding program.

Motel/hotel accommodations will largely depend on people driving
their own cars or riding the city buses once in Tucson. There have been 15
rooms reserved at the Plaza International, across from the campus.
They may be able to release additional rooms during October at
the WAML group rate. There are many motels available in Tucson,
but only a few are near bus lines or within walking distance to the
campus. The information on motel/hotel locations, rates, and other
data - limousine & taxi service available from the airport. E.G.,
rates at the Plaza International (1099 E. Speedway Ave., Tucson,
AZ 85719) are $25.50 single & $28.50 double. It is ten minutes
walk from campus.

NOTE: A Registration Fee of $5.00 will be charged for the Meeting.
This is a new WAML policy, and will be requested in advance
of the meeting to ensure that the meeting planners will be
able to accommodate WAML and the costs associated with the
meeting.

A SPECIAL MAILING WILL BE SENT (1st Class Mail) AT LEAST 30-DAYS
prior to the meeting. All Principal Region members will automati-
cally receive the mailing. Others may request same from the Host.
DUPLICATE MAPS AVAILABLE: Exchange or Gift: SOIL MAPS

The U.S. Soil Conservation Service (and its predecessor agency, The Bureau of Soil Chemistry) began soil survey work in 1899 and published in 1899 the following surveys: Cache La Poudre Valley area, Colorado; Connecticut Valley area, Connecticut-Massachusetts; Pecos Valley, New Mexico; Reconnaissance of Sanpete, Cache, and Utah, Utah; and the Salt Lake Valley area, Utah.

Most published soil surveys cover one or more counties and are so named. Where the survey covers only a part of one or more counties the word area is a part of the title. The dates given in the following list are for the year the field work was completed for surveys made from 1899 to 1936; from 1937 on it is the year the publication was issued.

In addition to being precious gems of early cartography, these soil maps can be of considerable use for their topographical features. The culture and physical features depicted on these surveys often is better than that of some USGS topographical surveys of the period. Many of the topographical base maps created for these surveys were not published elsewhere.

The University of California at Santa Cruz, University Library, Map Collection, has the following SOIL SURVEY MAPS for disposal. NOTE: these are maps only, no accompanying reports.

The objective in offering these is to place them with a collection that can make good use of them. They are available on a selective basis, an entire State, or the entire collection. Depending upon the request (quantity), reimbursement for postage may be requested.

In exchange, if you have any available, duplicate sheets of any Latin American country, any African country, or duplicate atlases will be welcome. Please send list.

University Library
Map Collection
University of California
Santa Cruz, CA 95064 (408) 429-2364

ALABAMA (all 1962,500)
1908 Autauga 1905 Dallas 1911 Madison
1909 Baldwin (north & south) 1911 Elmore 1920 Marengo
1908 Bibb 1908 Etowah 1907 Marion
1905 Blount 1917 Fayette 1911 Marshall
1907 Butler 1920 Geneva 1911 Mobile
1908 Calhoun 1923 Greene 1905 Montgomery
1909 Chambers 1909 Hale 1918 Morgan
1911 Chilton 1908 Henry 1910 Pike
1921 Choctaw 1920 Houston 1911 Randolph
1909 Coffee 1911 Jackson 1917 Saint Clair
1908 Colbert 1908 Jefferson 1917 Shelby
1921 Crenshaw 1908 Lamar 1907 Talladega
1908 Cullman 1905 Lauderdale 1909 Tallapoosa
1910 Dale 1906 Lee 1911 Tuscaloosa
ARIZONA (1:62,500 except where noted)
1921 Benson Area (plus alkali map)
1928 Gila Bend area (1:125,000)
1917 Middle Gila Valley area
1928 Paradise-Verde area
1921 San Simon area
1921 Winslow area

ARKANSAS (all 1:62,500)
1907 Conway
1917 Drew
1917 Faulkner
1906 Fayetteville area
1917 Howard
1921 Lonoke
1920 Perry
1906 Prairie
1922 Pulaski

COLORADO (all 1:62,500)
1905 Grand Junction area (plus alkali map)
1910 Uncompahgre Valley area (plus alkali)

CONNECTICUT (1:62,500)
1911 Windham

DELAWARE (1:62,500)
1918 Kent
1920 Sussex (2 copies)

FLORIDA (all 1:62,500)
1921 Duval
1906 Escambia
1918 Flagler
1910 Jacksonville area
1907 Jefferson
1923 Lake (north & south sheets)
1905 Leon
1909 Marianna area
1917 St. Johns

GEORGIA (all 1:62,500)
1922 Bibb
1910 Bulloch
1917 Burke
1921 Carroll

GEORGIA (continued)
1911 Chatham
1911 Columbia
1928 Cook
1923 Dooly
1918 Early
1928 Elbert
1923 Fannin
1917 Floyd
1909 Franklin
1911 Glynn
1908 Grady
1909 Hancock
1923 Jenkins
1917 Lowndes
1918 Madison
1920 Mitchell
1920 Monroe
1922 Muscogee
1918 Pierce
1909 Pike
1918 Pulaski
1920 Rabun
1920 Rockdale
1920 Screven
1905 Spalding
1910 Sumter
1908 Thomas
1909 Tift
1910 Walker
1906 Waycross area

IDAHO (all 1:62,500)
1907 Minidoka area (2 copies)
1923 Minidoka area
1917 Nez Perce and Lewis
1918 Portneuf area
1921 Twin Falls area

INDIANA (all 1:62,500)
1921 Adams
1908 Allen
1928 Blackford
1922 Clay
1922 Gibson
1906 Greene
1922 Kosciusko
1917 Lake
1922 Lawrence
1907 Marion
1922 Monroe
1905 Newton
1905 Tippecanoe
IOWA (1:62,500)
1923 Appanoose
1921 Benton
1917 Black Hawk
1920 Boone
1917 Buena Vista
1928 Butler
1923 Clarke
1928 Crawford
1920 Dallas
1922 Delaware
1921 Des Moines
1920 Dickinson
1921 Dubuque
1920 Emmet
1922 Floyd
1921 Greene
1921 Grundy
1917 Hamilton
1920 Hardin
1923 Harrison
1917 Henry
1921 Jasper
1922 Jefferson
1917 Linn
1918 Louisa
1918 Madison
1919 Marshall
1920 Mills
1917 Montgomery
1921 O'Brien
1905 Newton
1921 Page
1918 Palo Alto
1923 Plymouth
1928 Pocahontas
1918 Polk
1924 Sac
1917 Wapello
1918 Wayne
1918 Winnebago
1922 Winneshiek
1920 Woodbury
1922 Worth

KANSAS (all 1:62,500 except *)
1905 Brown
1911 Reno
1906 Riley
1911 Shawnee
1910 Western Kansas
  Reconnaissance (1:380,000)

KENTUCKY (all 1:62,500)
1921 Garrard
1905 McCracken
1905 Madison
1920 Muhlenberg
1910 Rockcastle

LOUISIANA (all 1:62,500)
1928 Beauregard
1908 Bienville
1910 Concordia
1906 East Baton Rouge
1908 East and West Carroll
1911 Iberia
1918 La Salle (2 copies)
1909 Lincoln (2 copies)
1921 Natchitoches (north & south sheets)
1919 Sabine
1917 St. Martin
1906 Caddo Shreveport
1905 Tensas
1906 Caddo Vivian
1922 Washington
1907 Winn

MAINE (all 1:62,500)
1917 Aroostook (north & south sheets)
1908 Caribou area
1909 Orono area

MARYLAND (all 1:62,500)
1921 Allegany
1909 Anne Arundel
1917 Baltimore
1918 Charles
1922 Dorchester
1907 Easton area
1922 Garrett
1923 St. Marys
1920 Somerset
1917 Washington
1921 Wicomico

MASSACHUSETTS (all 1:62,500)
1923 Berkshire
1920 Norfolk
1911 Plymouth
1920 Barnstable
1920 Bristol
1922 Worcester (east & west sheets)
MICHIGAN (all 1:62,500 except *)
1922 Berrien
1906 Cass
1922 Kalamazoo
1922 Manistee
1921 Ontonagon *(1:190,000)
1922 Ottawa
1905 Oxford area
1921 St. Joseph
1922 Van Buren
1908 Wexford

MINNESOTA (all 1:62,500)
1906 Blue Earth
1905 Carlton area
1906 Crookston area
1909 Rice (2 copies)

MISSISSIPPI (all 1:62,500)
1910 Adams
1921 Alcorn
1917 Amite
1920 Choctaw
1909 Clay
1918 Covington
1905 Crystal Springs area
1911 Forrest
1922 George
1908 Holmes
1907 Jasper
1910 Lauderdale
1911 Lowndes
1917 Madison
1908 Monroe
1906 Montgomery
1910 Noxubee
1907 Oktibbeha
1918 Pearl River
1922 Perry
1918 Pike
1906 Pontotoc
1907 Prentiss
1909 Scranton area
1920 Smith
1911 Wayne

MISSOURI (all 1:62,500 except *)
1909 Cedar
1918 Chariton
1920 Cole
1909 Cooper
1905 Crawford
1911 Franklin
1910 Jackson
1917 Knox
1911 Lacole
1920 Lafayette
1917 Lincoln
1911 Macon
1910 Marion
1921 Mississippi
1910 Pemiscot
1911 Platte
1906 Putnam
1922 Ray
1911 Ozark Region Reconnaissance *(1:380,160)
1918 Reynolds
1918 St. Francois
1905 Scotland
1917 Texas

MONTANA (1:62,500)
1905 Gallatin Valley area

NEBRASKA (all 1:62,500 except *)
1921 Antelope
1921 Boone
1922 Burt
1921 Jefferson
1917 Chase
1918 Cheyenne
1922 Cuming
1922 Dawson
1921 Deuel
1922 Howard
1921 Johnson
1920 Madison
1922 Merrick
1917 Morrill
1922 Nance
1907 North Platte area
1920 Pawnee
1921 Perkins
1917 Phelps
1905 Sarpy
1918 Sheridan (north & south sheets)
1917 Wayne
1911 Western Nebraska Recon. *(1:380,160)
NEW HAMPShIRE (1:62,500)
1906 Merrimack
1909 Nashua area

NEW JERSEY (all 1:62,500)
1917 Belvidere area
1927 Freehold area
1917 Millville area
1911 Sussex area
1921 Trenton area

NEW YORK (all 1:62,500)
1905 Binghamton area
1922 Cayuga
1918 Chenango
1923 Columbia
1907 Dutchess
1922 Genesee
1923 Herkimer area
1911 Jefferson (north & south sheets)
1908 Livingston
1906 Madison
1910 Monroe
1908 Montgomery
1906 Niagara
1910 Ontario
1917 Oswego
1917 Saratoga
1905 Tompkins
1920 Tompkins
1909 Washington (north & south sheets)

NEW YORK (all 1:62,500)
1917 Beaufort
1918 Bertie
1920 Buncombe
1910 Cabarrus
1917 Caldwell
1923 Camden and Currituck
1908 Caswell
1921 Cherokee
1906 Chowan
1922 Cumberland
1927 Davie
1905 Duplin
1920 Durham
1907 Edgecombe
1909 Gaston
1910 Granville

NORTH CAROLINA (continued)
1920 Guilford
1922 Haywood
1907 Henderson (2 copies)
1918 Hoke (2 copies)
1911 Johnston
1909 Lake Mattamuskeet area
1927 Lenoir
1910 Mecklenburg
1930 Montgomery
1906 New Hanover
1921 Onslow
1918 Orange
1905 Perquimans and Pasquotank
1909 Pitt
1923 Polk
1911 Richmond
1908 Robeson
1923 Sampson
1909 Scotland
1906 Transylvania
1920 Tyrrell
1918 Newberry *
1918 Vance
1918 Wilkes

NORTH DAKOTA (all 1:62,500 except *)
1905 Carrington area
1921 McHenry (north & south sheets)
1907 McKenzie area
1907 Morton area
1906 Ransom
1908 Recon. Western (1:380,000)
1908 Richland
1917 Sargent
1918 Traill
1906 Williston area
1905 Cooperstown

OHIO (all 1:62,500)
1909 Auglaize
1927 Belmont
1930 Brown
1927 Butler
1923 Clermont
1905 Cleveland area
1922 Fulton
1930 Licking
1917 Mahoning
1906 Meigs
1930 Putnam
1917 Sandusky
1905 Westerville area
OKLAHOMA (all 1:62,500 except *)
1917 Canadian
1906 Oklahoma
1930 Texas * (1:125,000)
1930 Tillman
1906 Tishomingo area

OREGON (all 1:62,500)
1920 Benton
1921 Clackamas
1927 Marion
1909 Marshfield area
1911 Medford area
1922 Polk
1917 Yamhill

Pennsylvania (1:62,500 except as noted)
1911 Bedford
1909 Berks
1911 Bradford
1907 Center
1905 Chester
1910 Erie
1921 Greene
1907 Johnstown area
1923 Lycoming
1917 Mercer
1905 Montgomery
1911 Recon. Northeastern (1:250,000)
1909 Recon. Northwestern (1:250,000)
1910 Recon. South Central (1:250,000)
1909 Recon. Southwestern (1:250,000)
1910 Washington

SOUTH DAKOTA (all 1:62,500 except *)
1920 Beadle
1907 Bellefourche area (plus alkali map)
1923 Douglas
1922 Grant
1921 McCook
1909 Recon. Western South Dakota (1:380,000)
1921 Union
1923 Walworth

TENNESSEE (all 1:62,500)
1908 Coffee
1923 Dickson
1907 Giles
1906 Grainger
1905 Henderson
1922 Henry
1906 Madison
1923 Maury
1908 Overton
1909 Sumner

TEXAS (all 1:62,500 except *)
1907 Bastrop
1918 Bowie
1907 Brownsville area—1923 Cameron
1908 Camp
1922 Coleman
1930 Collin
1907 Cooper area
1908 Corpus Christi area
1920 Dallas
1918 Denton
1922 Dickens
1910 Ellis
1920 Erath
1908 Franklin
1918 Freestone
1930 Galveston
1909 Grayson
1922 Harris (east & west sheets)
1906 Henderson
1923 Henderson
1905 Houston
1906 Laredo area
1905 Lavaca
1905 Lee
1917 Lubbock
1909 Morris
1930 Polk
1930 Randall
1910 Recon. Central Gulf Coast* (1:380,000)
TEXAS (continued)
1910 Recon. Panhandle (1:380,000)
1909 Recon. South (1:380,000)
1911 Recon. Southwest (1:380,000)
1922 Recon. West Central
1922 Reeves
1907 Robertson
1923 Rockwall
1906 San Marcos area
1920 Tarrant
1909 Titus
1927 Victoria
1905 Waco area
1907 Wilson

UTAH (all 1:62,500)
1920 Ashley Valley area
1921 Uinta River Valley area

VERMONT
1937 Recon. of Entire State (1:125,000)

VIRGINIA (all 1:62,500)
1917 Accomack
1909 Campbell
1906 Chesterfield
1930 Grayson
1905 Hanover
1905 Louisa
1907 Montgomery
1917 Northampton
1927 Orange
1918 Pittsylvania
1905 Yorktown area

WASHINGTON (all 1:62,500 except as noted)
1907 Bellingham
1909 Bellingham (land class) (1:125,000)
1909 Bellingham (soil map) (1:125,000)
1907 Bellingham area
1905 Everett area
1911 Chehalis (land class) (1:125,000)
1905 Island
1910 Port Townsend (land class) (1:125,000)
1910 Olympia (land class) (1:125,000)
1910 Puget Sound-Olympia (1:125,000)
1910 Puget Sound-Port Townsend (1:125,000)
1909 Puget Sound-Seattle (1:125,000)
1911 Quincy area
1909 Seattle (land class) (1:125,000)

WASHINGTON (continued)
* **
1917 Spokane
1911 Vancouver (land class) (1:125,000)
1918 Wenatchee area
*1911 Southwest Chehalis (1:125,000)
**1911 Southwest Vancouver (1:125,000)

WEST VIRGINIA (all 1:62,500)
1917 Barbour and Upshur
1918 Braxton and Clay
1910 Clarksburg area
1927 Hampshire
1930 Hardy
1911 Huntington area (north & south)
1923 Mercer
*1907 Middlebourne area
1911 Morgantown area
1920 Nicholas
1908 Parkersburg area
1930 Pendleton
1910 Point Pleasant area
1909 Spencer area
1921 Tucker
1905 Upshur
1918 Webster
1906 Wheeling area
*1922 Mineral

WISCONSIN (all 1:62,500 except *)
1920 Adams
1910 Bayfield
1911 Columbia
1930 Crawford
1911 Fond du Lac
1922 Green
1922 Green Lake
1910 Iowa
1918 Jackson
1911 Juneau
1911 Kewaunee
1911 La Crosse
1909 Marinette (1:190,000)
1923 Monroe
1918 Outagamie
1923 Pierce
1905 Portage
1906 Racine
1917 Rock
1927 Trempealeau
Wisconsin (continued)

1920 Walworth
1921 Washington and Ozaukee
1910 Waukesha
1917 Waupaca
1909 Waushara
1927 Winnebago

Wyoming (all 1=62,500)

1917 Fort Laramie area
1927 Shoshone area

WAML Spring Meeting, Menlo Park, Friday, March 30, 1979 - continued from page 308

Speaker - Jacquelyn Freeberg, USGS Western Regional Library: "Activities & Services"

Speaker - Margaret Deam, USGS Public Inquiries Office: "Activities & Products"

Speaker - Gerald Greenberg, NCIC-W: "Activities & Data Acquisitions"

Speaker - Moyle Stewart, NCIC: "Technical Services - Activities"

Speakers - Moyle Stewart & Mel Baker: "Remote Sensing Imagery - Format, type, applications, equipment needed, inventory controls"

Speakers - K. Lea Ginnodo, NCIC-W: "NCIC-Reston & EROS Data Center"
Sue Sullivan, NCIC-W: "NCIC-Western"

"Microform Products from:"

Tour - Western Mapping Center - production facilities

Speaker - Dean Edson, WMC: "Current Work at USGS Research - new products"

Speaker - Jim Chamberlain, WMC: "Setting program & map production priorities"

Conclusion - Lee Aggers

Exhibitors (partial list)

Bausch & Lomb (Zoom Transfer Scope)
Microchart Navigation Systems (nautical charts on microfiche)
Western Economic Research Co. (census data maps)
DUPLICATE MAPS AVAILABLE

The University of California, Davis, Library Map Collection is offering free the following maps. Preference will be given those enclosing a self-addressed mailing label. Send requests to: David Lundquist
Map Collection
Shields Library
University of California
Davis, California 95616


Portugal. Serviço de Reconhecimento e de Ordenamento Agrario. Carta de capacidade de uso do solo. 1:50,000. Sheets 25a, 36a, 40a.

Chile. 1955. 1:1,000,000.

Mexico. 1865-1905. 1:100,000. 10 sheets.


The South Appalachian Region. J.A. Moher & Co. 1890. 5 miles to 1 inch.

Punnett Bros. Mariposa County, Calif. 1907. 1:100,000 ca.

U.S. Bureau of Reclamation. Western United States showing location of Bureau of Reclamation projects. 1975.


Reclamation District No. 2047. Map of... 1920. 1:63,360.

Florida Agricultural Experiment Station. General soil map of Florida. 1962. 1:1,000,000.

Thailand. Royal Thai Survey Dept. Population density map of Asia and the Far East. 4 sheets. 1:5,000,000.


Pakistan. Survey of Pakistan. North-west Frontier Province. 1:1,000,000.

San Joaquin Co. Road map... 1952. 1:63,360.

Location of irrigated land, 1959: [western states] 18 sheets.

U.S. Geological Survey. Arizona outline map. 1940 repr. 1946. 1:1,000,000.
                    Idaho outline map. 1940 repr. 1947. 1:1,000,000.
                    Utah outline map. 1940 repr. 1946. 1:1,000,000.


Annual rainfall, Australia. 1977. 1:10,000,000.

Colcasieu Parish, Louisiana. 1950?

INDEX TO VOLUME 10

[Cumulative Index to Vol. 1-6 appears in Vol. 6, #3; Index to Vol. 7 is in Vol. 7, #3; Index to Vol. 8 is in Vol. 8, #3; Index to Vol. 9 is in Vol. 9, No. 3. A Cumulative Index to Volumes 1 - 10 (1969 - 1979) is being compiled but no final plan for its publication has been decided.] 6/6/79

* Volume number omitted, reference is to consecutive pagination for Vol. 10:

Issue No. 1 (Nov. 1978) = pp. 1 - 105;
Issue No. 2 (Mar. 1979) = pp. 106 - 212;

Abbreviations: NMWNA = New Mapping of Western North America
PR = Publications of Relevance
A R-T = Acquisitions Round-Table
R R-T = Reference Round-Table

Acquisition Techniques
67-71; 176-182

Alaska
74: NMWNA

Alberta
161: NMWNA

American Geographical Society
165: relocates in Milwaukee
261: PR

Arader III, W. Graham
166: News Notes

Arizona
74-75; 161; 295: NMWNA

Armstrong, Helen Jane
86: New Committee to Establish Liaison with USGS/NCIC

Arnow, Ted
229: News Notes

Atlases - Brief Reviews
236-237: by Sandra J. Lamplecht

Atlases Cataloged at UCLA, by Anna F. Blustein
56-61; 206-209; 256-258.

Auchincloss, Stuart
231: News Notes (Map Society of California)

Baker, R. P.
138: News Notes

Basu, Dilip K.
50: A Review of India in Maps

Batchelder, Robert
141: contributor to "Duplicate Maps & Atlases Available"
161: contributor to NMWNA
109-205; 261-272: contributor to PR

Bell, John W.
187-190:
Environmental Mapping in Nevada

Bench Marks!
39-40, 42; 212.

Bergen, John
167: News Notes (WIU Map Directions)

Blakeley, Mary
161: contributor to NMWNA
41-42: "Review of Mary Larsgaard's Map Librarianship: An Introduction"

Blustein, Anna F.
56-61; 206-209; 256-258: Atlases Cataloged at UCLA
195-205; 261-272: contributor to PR

Boswell, Roy V.
168: "Publication Wins Award"
241-255: "The Pacific Ocean . . ."
242: (photograph)
Brown, Edmund G. (Jerry) Jr.
(Governor of California)
222: (photograph)

Bryan, Edwin M. Jr.
212: Bench Marks!

Calgary, City of
202: PR

California
51-54: Place Name Guides of California: an annotated bibliography
75-76; 296: NMWNA

California, State University.
Fullerton. Library. Special Collections. Collection for the History of Cartography.
241-255: "The Pacific Ocean ..."

California, University. Los Angeles.
Map Library.
229: News Notes (Portia Chambliss)

California, University. Santa Barbara.
Library.
216-226: Design for combining a map room with a remote sensing/cartography laboratory, by Larry G. Carver.

Canadian Map Libraries, Assn. of
196-197: PR

Cartographic Sources and Acquisitions Techniques, by Donald A. Wise
176-182

Cartography of Early Nevada, by Alvin R. McLane
142-146

Carver, Larry G.
216-226: Design for combining a map room with a remote sensing/cartography laboratory.

Cataloging and Classification of Maps
78-81: AACR 2 abandonment of corporate body main entry: LC G&M Division position paper.

Chamberlain, James E.
228: News Notes (USGS)

Chambliss, Portia
229: News Notes

Chiong, Anna
162: Contributor to NMWNA

Cobb, David A.
86: New committee to establish liaison with USGS/NCIC.
233-235: Map Librarians speak out--and USGS/NCIC Listens

Colorado
73: NMWNA

Computer Cartography
116; 150.

Computer Graphics for Scene Analysis, by Richard F. Massee
150-159

Coombs, James A.
40: Bench Marks!

Cornelius, Herbert F.
227: News Notes

Cottrell, Linda D.
311: Tentative Program, Fall Meeting, WAML, October 25-27, 1979 (Host) Tucson, Arizona

Cox, Barbara
295-298: contributor to NMWNA

Cruse, Larry
160: contributor to NMWNA
169: News Note (DETENAL)
98-103; 109-205: contributor to PR
91: contributor to R R-T #9

Dealers' Catalogs Received
87-89; 140-141; 299-300; 302.

Delisle, Guillaume 1675-1726.
20-31: North America in the Cartography of ..., by Ronald F. Lockmann.
Duplicate Maps and Atlases Available and/or Wanted
44; 175; 240; 312-320.

Environmental Mapping in Nevada, by
John W. Bell
187-190.

Estes, John
222: (photograph)

Exhibitions of Cartography
54; 116; 241-255.

Farrell, Barbara E.
258: News Notes (Chronicle)

Fetros, John
104: contributor to PR

Fox, Herbert S.
167: contributor of News Note - Conservation-PH Indicators
175: contributor of "Maps Available: Maps Wanted"
3; 309: WAML Nominating Committee Report (as Chairman)

France, Bibliotheque Nationale.
165: News Note

Galneider, Mary
40: Bench Marks!

Gazetteers
51-54: Place Name Guides of California: an annotated bibliography.
191-194: RR-T #9

Green, Mason S.
Inside Back Cover, Vol. 10, #2,
WAML Occasional Paper No. 5.

Grover, Sherwood
168: New Cover Design

Hagen, Carlos B.
108-115: New Mapping of Mexico
169: News Note

Handicapped, Maps for the
162: NMWNA (Washington) w/ map
198: PR (Roger W. Craven - List of Braille maps ...)

Hansen, Richard
231: News Notes (Map Society of California)

Hoehn, R. Philip
169: contributor of News Note
40: Bench Marks!

Houghton, John G. and Terrill J. Kramer
183-186: Landscapes of Nevada

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73; 76; 296: NMWNA

Income Tax Deductibility
231: News Notes

India in Maps
50: a review by Dilip K. Basu

Jacobsen, LaVonne
3: Nominating Committee Report

Jestes, Edward C.
51-54: Place Name Guides of California: an annotated bibliography - with David Lundquist

Jobs in Map Librarianship
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Kersten, Earl W.
147-149: Obsolete topographic map as a research document

Kimball, Bernice
90: contributor to R R-T #1

Kline, Nancy
103: contributor to PR
91: contributor to R R-T #8

Kramer, Terrill J., and John G.
Houghton
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KWOC Index for Maps, by Rosanna Miller
34-39.

Lamprecht, Sandra J.
214: Review Editor Appointed
231: News Notes (Map Society of California)
236-237: Atlases-Brief Reviews
237: Bench Marks!

Landscapes of Nevada, by John G. Houghton and Terrill J. Kramer
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