

INFORMATION BULLETIN

Volume 14 Number 3

June 1983



Western Association of Map Libraries

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

New Rates Effective July 1, 1981 (as shown)

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

Membership in WAML is open to any individual, institution, or business interested in furthering the Purpose of the Association, which is "to encourage high standards in every phase of the organization and administration of map libraries".

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

Principal Region

Alberta
British Columbia

Alaska
Arizona
California
Colorado
Hawaii
Idaho

Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

Associate Members reside outside the Principal Region. They may attend meetings, serve on committees, and will receive the Information Bulletin and announcements of meetings. \$15.00 per year.

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

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

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

MEMBERSHIPS AND SUBSCRIPTIONS ARE AVAILABLE ON A FISCAL YEAR/VOLUME YEAR BASIS ONLY. Mid-year joiners/subscribers will receive back-issues for that year. The Fiscal Year/Volume Year is July 1st through June 30th.

Back issues of the Information Bulletin are available for \$10. per volume or portion thereof from the Editor. All issues available.

Editor: Stanley D. Stevens c/o University Library (408) 429-2364
Map Librarian University of California
Santa Cruz, CA 95064

Copy Deadlines: #1 October 1st; #2 February 1st; #3 May 1st.

The Information Bulletin is indexed in *Library Literature*; *Library and Information Science Abstracts*; *Geo Abstracts, Part G*; and is cited in *American Cartographer*; and *IREBI (Indices de Revistas de Bibliotecologia)* (Argentina).



TABLE OF CONTENTS

ASSOCIATION NEWS

Editor's Message [Resignation Announced] ----- 182
 1983 Election Results, by Herbert S. Fox ----- 180
 1983/84 Executive Committee ----- 180
 President's Message, by Riley Moffat ----- 181
 Publication Announcement, Index to the Information
 Bulletin (volume 1-10, 1969-1979) ----- 189
 Report on the Cartographic Users Advisory Council,
 by Stanley D. Stevens ----- 183
 Spring Meeting, April 21-22, 1983, San Jose:
 Attendance ----- 253
 Minutes, by Donna Koepf:
 Executive Committee ----- 243
 General Meeting ----- 246

FEATURE ARTICLES

Map Librarians Need to Beware of Requests for Pre-Payment,
 by Stanley D. Stevens ----- 215
 Postal Guides as Gazetteers, by Riley Moffat ----- 225
 Remote Sensing News, by Jo Anna Moore ----- 237
 Switzerland's Atlas Siegfried, by Ronald Whistance-Smith -- 228

REGULAR FEATURES

Atlas & Book Reviews, edited by Peter L. Stark
Geo-Data: The World Almanac Gazetteer.
 Reviewed by Susan Trevitt-Clark ----- 222
Handbook of the Nations.
 Reviewed by Peter L. Stark ----- 221
Oregon Divided: A Regional Geography.
 Reviewed by Edward P. Thatcher ----- 219
Travel in Asia; a guide to information sources.
 Reviewed by Harold M. Otness ----- 220
 Bench Marks! ----- 197
 Duplicates Available ----- 214, 224
 Geological Perspective, by Nancy Pruett ----- 213
 MicroCartography, by Larry Cruse ----- 190
 New Mapping of Western North America ----- 198
 News Notes ----- 254
 Publications of Relevance ----- 202
 INDEX TO VOLUME 14 ----- 266

 © COPYRIGHT 1983 BY THE WESTERN ASSOCIATION OF MAP LIBRARIES



1983 WAML Election Results

The WAML Nominating Committee is pleased to announce the results of the 1983 Election:

President-Elect **Ronald Whistance-Smith**
 University Map Collection
 Department of Geography (ph. ac403/ 432-4760)
 University of Alberta
 Edmonton, Alberta T6G 2H4

Secretary **Pamela Lee Enrici**
 Technical Services
 University Library (ph. ac408/ 277-3385)
 San Jose State University
 San Jose, California 95121

Treasurer **Stanley D. Stevens**
 University Library (ph. ac408/ 429-2364)
 University of California
 Santa Cruz, California 95064

These Officers, along with incoming President **Susan Trevitt-Clark**, and **Riley Moffat**, Past-President, will serve on the Executive Committee during the 1983-84 Membership Year.

The Nominating Committee

Herbert S. Fox, Chair
 California State University, Fresno

1983/84 Executive Committee

President **Susan Trevitt-Clark**
 Map Room, 165 Condon Hall
 University of Oregon (ph. ac503/ 686-3051)
 Eugene, Oregon 97403

President-Elect **Ronald Whistance-Smith**
Secretary **Pamela Lee Enrici**
Treasurer **Stanley D. Stevens**

Past-President **Riley Moffat**
 Map Librarian (ph. ac801/ 378-4482)
 Brigham Young University
 Provo, Utah 84602

PRESIDENT'S MESSAGE

We're nearing the close of another year for WAML. I believe it has been a very successful year for our organization. We saw the state of the art in remote sensing and satellite imagery at UC Santa Barbara in September. And if you ever wanted to know anything about map cataloging you should have been with us at San Jose State in April. In order to make these meetings so successful it took a lot of hard work, therefore I would like to thank this year's program chairperson, Sue Trevitt-Clark, and especially our hosts, Larry Carver and Pam Enrici.

One of the main strengths of our organization, of which we can be justifiably proud, is our Information Bulletin and its editor Stan Stevens. His announcement that he plans to step down as editor at the end of volume 15 signals the end of an era. However, it opens up the the opportunity to others within our ranks to make a significant contribution to our profession.

I would also like to thank Donna Koepp for her thorough and professional service as Secretary, and Past-Presidents Barbara Cox and Dave Lundquist for their advice. One valuable service of Barbara's has been to compile a policies and procedures manual so that future officers don't get the "what-do-I-do-now" anxiety attacks. I would like to encourage all members of WAML to consider stepping forward and taking an active role in the affairs of the organization as an officer, editor, or host. It is an invaluable opportunity to get acquainted with colleagues and become involved in the issues confronting map librarianship.

I would like to thank you all for the opportunity to serve as your President this past year and wish you every success.

Sincerely -- Riley Moffat

EDITOR'S MESSAGE

I have announced to the Executive Committee that I am resigning as Editor of our Information Bulletin at the end of Volume 15. It is reported in the Minutes of the San Jose meeting, and Riley Moffat has made reference to my decision in his President's Message on the preceding page.

I have been fortunate to have had excellent co-editors: Anna Blustein's "Atlases Cataloged at UCLA", Sandra Lamprecht's "Atlas and Book Reviews", and Nancy Pruett's "Geological Perspective". This issue carries the last of Nancy's columns, and we will miss her contributions. We are gratified to have Peter Stark's coordination of the Atlas and Book Reviews, and Larry Cruse's widely read and respected views on MicroCartography. I appreciate the tremendous help I have had over the years from all those WAML Officers and Members, in particular the columnists, reviewers, and contributors who have made suggestions for the improvement of "your" Information Bulletin.

Nine years ago, at the SLA Geography and Map Division's meeting in Toronto, I presented a paper which gave the history of the Information Bulletin ("Whose journal is it? Members' or Editor's?", SLA Geography & Map Division Bulletin 101, Sept. 1975). The title of that presentation, a rhetorical question, was an attempt at expressing my philosophy of editorship - particularly an editor of the principal medium of expression for a membership organization. The Information Bulletin is the fulfillment of one of our raison d'etre: "Providing for the discussion of mutual problems and interests through meetings and or publications." At that time, I said that "the key to a successful publishing life is contributions from members of the organization." I believe our success is a direct reflection of the contributions from you. That success is also reflected by the growth of our readership over the years, which now extends to countries in every quadrant of the world. [WAML's Occasional Papers also have a worldwide audience.]

In the Toronto presentation I also expressed my concern "that almost every Editor worries from time to time that too much of his own personality, and his own preferences on selection of content, will spoil the reputation of the journal. I believe that a topsy-turvy condition can prevail unless the Membership participates in setting editorial policies. The Editor needs guidance, and participatory democracy (for which our organizations are noted) can be the Editor's answer to many of the problems common to all publications of our type." Recently, as I was producing the Index to the Information Bulletin - by Frances Woodward - I was embarrassed at the number of citations to my own contributions. Possibly you haven't been bothered by the

profusion. If you have, you should know that my attitude is that when there is something to communicate, put your name on it! The readership is entitled to know the source of that item, so that source may be contacted and credit due is given.

My Toronto message also revealed that I have been involved with the Information Bulletin from the time that Bob Sivers (President 1969-70) inaugurated it under the title of Newsletter in September 1969. I told my audience that I had handled parts of its production under Bob, and the following year under Mary Schell (President 1970-71), and since then all the responsibilities of maintaining financial records, fulfilling orders for current subscriptions, back issues, and membership records - as well as full production, from typing the photo-ready copy to stuffing the printed product into the mailing envelope (with help from my family). Then I said that "the time may come when the complexity and enormity of all these functions will swamp me"

Well, I'm afraid that after 13-years the time has come! I have offered to continue with the production aspects of the Information Bulletin (as well as the Occasional Papers), but what I am anxious to pass along to a new Editor is the responsibility for the "intellectual content and the layout" of the Information Bulletin. A new and fresh approach will be healthy.

The Executive Committee Minutes (reported in this issue) reflects my preference for "an open recruitment for [my] replacement." This means that no advance selection has been made, and any WAML Member may put in a bid to the WAML President. I believe there is a great deal of talent among our Membership, and the Information Bulletin will continue to thrive.

Finally, I express my thanks to all of you for the confidence you have placed in me. I will leave to future chroniclers whether or not that confidence was well placed. One thing is for certain, I have been the beneficiary. The Honors Award that I received in 1981 from the Geography and Map Division, Special Libraries Association, was more a statement of the **collective contribution** to map librarianship of the Western Association of Map Libraries than to any personal effort of my own.

Stanley D. Stevens

Report on Cartographic Users Advisory Council

Since the report in the last issue (pp. 90-94), CUAC has received a letter from Danford L. Sawyer, Jr., the Public Printer of the United States, in which he stated that he does not "see any curtailment in the present program of map distribution. Certainly the Government Printing Office does not plan any cutbacks. Our reduced funding request of \$898,000.00 is based on our concern for

reducing costs, our program for conversion of paper copy to microfiche, and efforts we are undertaking to increase productivity in our operations. It should in no way limit our participation in any restructured map distribution program."

This was certainly reassuring, even though there are still concerns that will have to be monitored. CUAC's response included thanks on behalf of the map librarianship community, in addition to a statement that "we look forward to the full implementation of an expanded map distribution program."

CUAC had also learned that at a recent Senate Appropriations Committee hearing, in response to an inquiry by Senator Alfonse M. D'Amato, the Superintendent of Documents, Michael F. DiMario, made a commitment that GPO will implement an expanded program for the distribution of maps. CUAC included a reference to this action in its letter to Mr. Sawyer and stated that "we are very pleased at this news. It does ameliorate our worst fears, and we sincerely appreciate this demonstration of your commitment to the cartographic needs of depository libraries and their users." CUAC also sent its thanks to Senator D'Amato, and to Mr. DiMario.

This series of events has proven that the map librarianship community can, when it joins with other organizations who have concerns that dove-tail our interests, have an impact on the legislation in Congress. It was reported to CUAC that its timely response to the crisis was heard and did have an impact. The individuals who wrote to their Congressional representatives also helped, and their effort is appreciated by CUAC.

Depository Library Council

The Depository Library Council to the Public Printer met on April 27, 1983, in Washington, D.C. for its 10th anniversary meeting. It was reported to the Council that GPO had received the "map surveys" from the Joint Committee on Printing that week. GPO will now proceed to survey libraries to identify which items and geographic coverage each library would like to receive. Libraries should respond promptly to the survey so that distribution can begin. It will be at least two months before libraries actually receive maps on the new program. The program will begin with maps of the Geological Survey and the Defense Mapping Agency and will be expanded to other agencies later. JPC will continue to work with the agencies involved and GPO on a final plan for map distribution.

GPO reported some Statistics for the period of October 1, 1982 - March 31, 1983, which included the following:

Paper Maps Distributed (in six-month period) - 266
Total Estimated Yearly Quantity of USGS/DMA Maps - 5,500

CUAC Constitution & By-Laws

The final draft of the Constitution and By-laws of CUAC has been submitted to the WAML Executive Committee for ratification. Stanley Stevens is the WAML representative (who also is the current Chairman of CUAC). If the document is ratified by WAML and the other organizations, WAML will have one additional representative (one voting, one alternate).

The Minutes of the WAML Executive Committee, elsewhere in this issue, indicates that this matter will be considered further at the Fall 1983 WAML meeting in Berkeley, September 22-23. The CUAC transmittal letter notes that "the process for the ratification is strictly up to [WAML], none being imposed by CUAC." The full text of the CUAC proposed Constitution & By-Laws is published here so that all WAML Members will have the maximum opportunity to consider the structure and concepts expressed therein. The Executive Committee would like to hear from any Member on this subject.

Adopted/San Antonio 1/8/83

Finalized 5/25/83

CARTOGRAPHIC USERS ADVISORY COUNCIL**Constitution & By-Laws**Constitution**Article I: Name**

The name of this organization shall be the Cartographic Users Advisory Council.

Article II: Purpose

- 1) To improve accessibility, availability, quality, and dissemination of cartographic information, products, and systems.
- 2) To provide a forum for exchange of ideas and information between the cartographic information community and the agencies disseminating cartographic products.

3) To increase cooperation and communication between librarians and federal agencies, and between librarians and other producers of cartographic information.

Article III: Membership

1) The Council shall consist of four Charter Members, with one voting Representative and one alternate Representative each from:

American Library Association, Map & Geography Round Table

Geoscience Information Society

Special Libraries Association, Geography & Map Division

Western Association of Map Libraries

2) While the Council leaves to the individual Members the method of selecting their Representatives, it requires that the Representatives serve for a three-year term to provide continuity on the Council.

3) In the event of the incapacitation of the voting Representative, the alternate Representative will automatically become the voting Representative. The Member organization shall fill the vacancy of its alternate Representative.

4) Each Member shall notify the Chair of CUAC, in writing, of the names of its voting Representative and alternate Representative as changes occur. Each Member shall comply with By-Law II,(1) to provide timely notice to the CUAC Chair.

5) Subsequent to the adoption of this Constitution and By-Laws, organizations not named as Charter Members may choose to subscribe to the Council and its objectives and designate a voting Representative and an alternate Representative to serve on the same basis as provided in this Article.

Article IV: Officers

1) The principal officer of the organization shall be the Chair. The Chair must be a Representative.

2) The term of office for the Chair shall be for one year, beginning October 1, but the incumbent may serve additional terms if elected in accordance with the provisions of By-Law Article II,(1).

3) A Recording Secretary shall be appointed by the Chair at each meeting to take and issue Minutes of that meeting.

Article V: Meetings

1) An Annual Meeting shall be scheduled by the Chair and will include an annual report of the Chair's activities on behalf of the Council, in addition to any other scheduled business. Whenever possible the Council shall rotate its official meetings among the conferences of its Members.

- 2) Council Representatives will be notified of meetings at least 90 days prior to the meeting.
- 3) The voting and alternate Representatives are expected to attend all meetings.
- 4) A quorum shall consist of three Members present.
- 5) Meetings shall be governed by this Constitution and By-Laws and Roberts Rules of Order, Revised, latest edition. Each Member organization shall have one vote. Matters put to a vote shall be decided by a majority.
- 6) Special meetings may be called by the Chair or at least three Members. The Chair must set the date and place of a special meeting after consultation with all Representatives.

Article VI: Committees

- 1) Special committees for the execution of particular assignments may be created and discontinued as specified in the By-Laws.

Article VII: Amendments

- 1) Amendments to this Constitution shall be proposed in writing and may be initiated by any Representative.
- 2) Amendments may be voted on only after Representatives have been informed by printed notice of such proposed amendments at least thirty and no longer than ninety days before presentation of the amendments for a vote.
- 3) This Constitution may be amended:
 - a) At the Annual Meeting or a special meeting, or
 - b) By a mail ballot.

Article VIII: By-Laws

- 1) The Members of the Cartographic Users Advisory Council shall adopt By-Laws, or may amend or repeal existing By-Laws not inconsistent with this Constitution, by a majority vote of the Representatives in accordance with Article VII.

By-Laws

Article I: Committees

- 1) Members of committees shall be appointed by the Chair of CUAC who will designate one of the committee's members to be Committee Chair. Persons who are not CUAC Representatives may be appointed to a committee at the discretion of the Chair of CUAC, although the Committee Chair shall be a CUAC Representative.

Article II: Elections

- 1) On August 1, with the names of the new or continuing Representatives provided to the Chair by each Member organization, the Chair shall announce these names by letter to the Representatives and ask for nominations for the office of Chair to be returned within three weeks. These nominations will constitute

the ballot to be mailed within one week after nominations have been received. Completed ballots must be returned within a month.

Article III: Duties of the Chair

1) The Chair shall be the chief executive officer of the Cartographic Users Advisory Council. The Chair shall exercise general supervision over the affairs of the organization and will preside at all meetings.

2) The Chair shall appoint another Representative as Chair Pro Tem to preside at any meeting at which the Chair cannot attend.

3) The Chair shall create an Agenda for each meeting of the Council after consultation with the Representatives, and issue to each of them a Proposed Agenda at least 60 days prior to the meeting. The Proposed Agenda may be modified by the Chair upon the receipt of additional suggestions from the Representatives, and may be finalized at the meeting.

4) The Chair shall review a draft of the Minutes of each meeting as submitted by the Recording Secretary, make proposed amendments, and shall distribute the draft and any proposed amendments to the Representatives for their review and proposed amendments. The Chair shall set deadlines for submission of proposed amendments and coordinate the distribution to each Representative so that an approved edition may be issued as early as possible after each meeting. When the final edition of the Minutes has been approved, The Chair shall distribute the Minutes to each Representative and all other interested parties.

5) The Chair shall maintain a file of at least one copy of all Council Correspondence, Agendas, Minutes, and any other CUAC material for transmittal to the CUAC Archives. The Chair may, upon agreement of the Representatives of the Council, appoint an Archivist to care, service, and preserve the CUAC Archives.

Article IV: Duties of the Representatives

1) The Minutes of all meetings shall be sent by the voting Representative to the Editor of each Member's journal for publication at the discretion of the Editor.

2) The Representatives shall confer with their host organization, its membership and officers, according to the requirements of the host organization, on matters discussed by CUAC so that each Representative will be able to express the concerns of as many members as possible.

3) It shall be the responsibility of the voting Representative to coordinate its host organization's timely compliance with Article II (1) of these By-Laws.

Report by Stanley D. Stevens

WAML PUBLICATION ANNOUNCEMENT

Occasional Paper No. 9

The Executive Committee takes pleasure in announcing the publication of WAML's newest Occasional Paper, the Index to the Information Bulletin (volumes 1-10, 1969-1979), created by Frances M. Woodward (WAML President 1978-79). On behalf of the Membership, the Executive Committee extends thanks to Frances for her dedication and extensive effort that went into this compilation. Occasional Paper No. 9 promises to be a widely used reference tool for the entire map librarianship community.

Library of Congress Cataloging in Publication Data

Woodward, Frances M., 1938-
Index to the Information bulletin (volumes 1-10,
1969-1979) of the Western Association of Map Libraries.

(Occasional paper ; no. 9)

1. Western Association of Map Libraries. Information
bulletin--Indexes. 2. Map collections--Periodicals--Indexes. 3.
Cataloging of maps--Periodicals--Indexes. I. Title. II. Series:
Occasional papers (Western Association of Map Libraries ; no. 9)
GA192.W47 Suppl 026'.912'06 83-6880
ISBN 0-939112-11-6 (pbk.)
ISBN 0-939112-10-8 (microfiche)

Edited and Produced by Stanley D. Stevens
Editor of Publications, WAML
on an Apple II Plus computer
with Super-Text 40 56 or 70 Column Word Processor

This Occasional Paper is issued in two forms:

For general distribution to Members and Subscribers
is the Microfiche Edition on one 48x microfiche:
ISBN 0-939112-10-8 Free to Members/Subscribers, \$5.00 to Others

For those who prefer paper, an on-demand Paper Edition
is available on order. This is a 280mm x 216mm (11" x
8.5") computer printout, unbound.
ISBN 0-939112-11-6 \$32.50
40% Discount to Members

MicroCartography

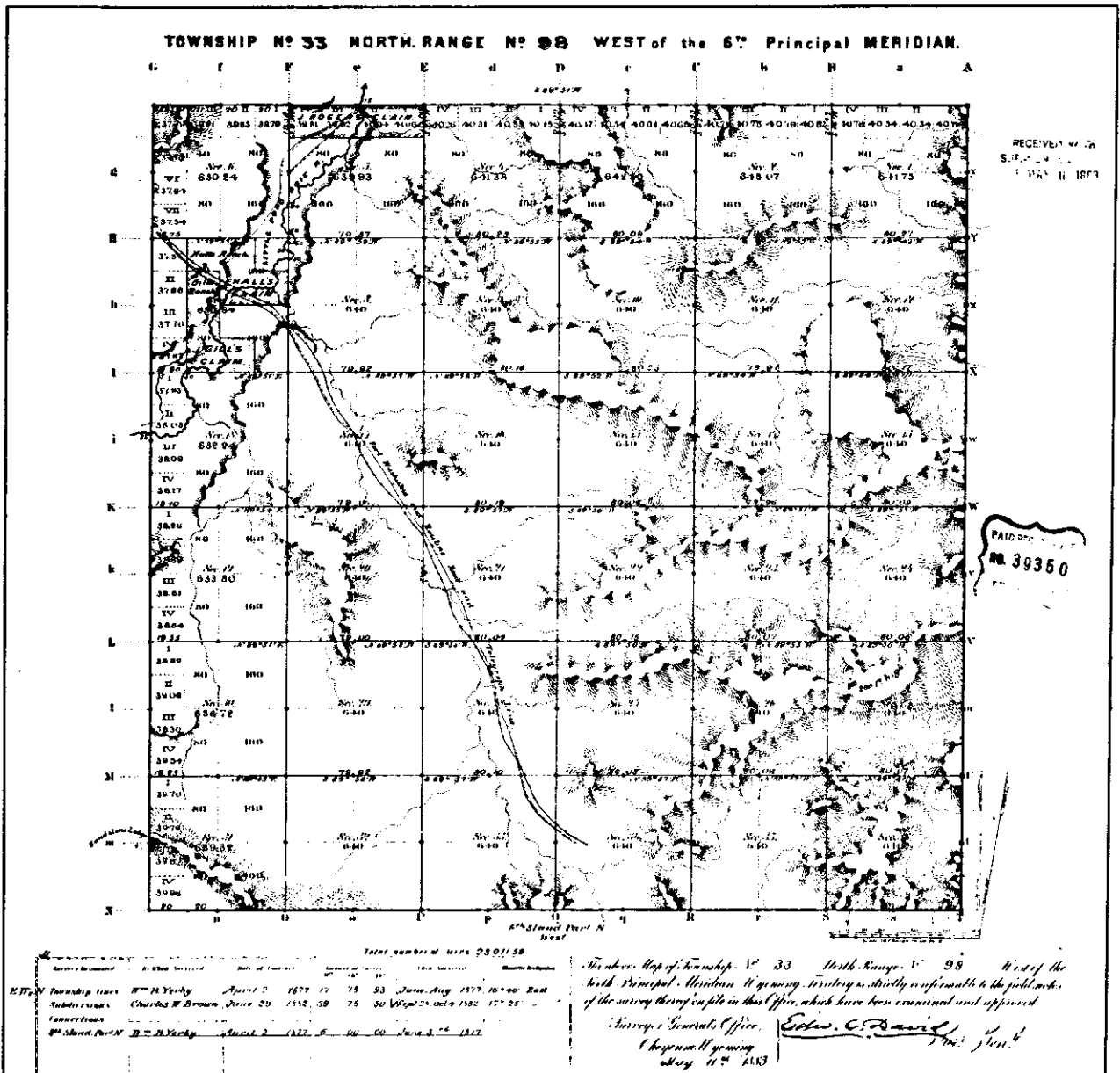
Larry Cruse

Tenth in a Series.

by

Map Section C-075p
University Library
University of California-San Diego
La Jolla, CA 92093
(phone 619/452-3338)

Bureau of Land Management's Plat Maps on Microfiche



Original survey plat of a Wyoming Township.

The U.S. Bureau of Land Management recently converted its massive file of plat maps on microfilm from 35mm rolls to six-up microfiche. A switch in formats for such a large set is news in itself, but is also worth considering as a model for other similar sets, such as the USGS's historic file of topographic quads, and the Chadwick-Healey/Library of Congress Sanborn Atlas project, which involve thousands of maps on 35mm microfilm.

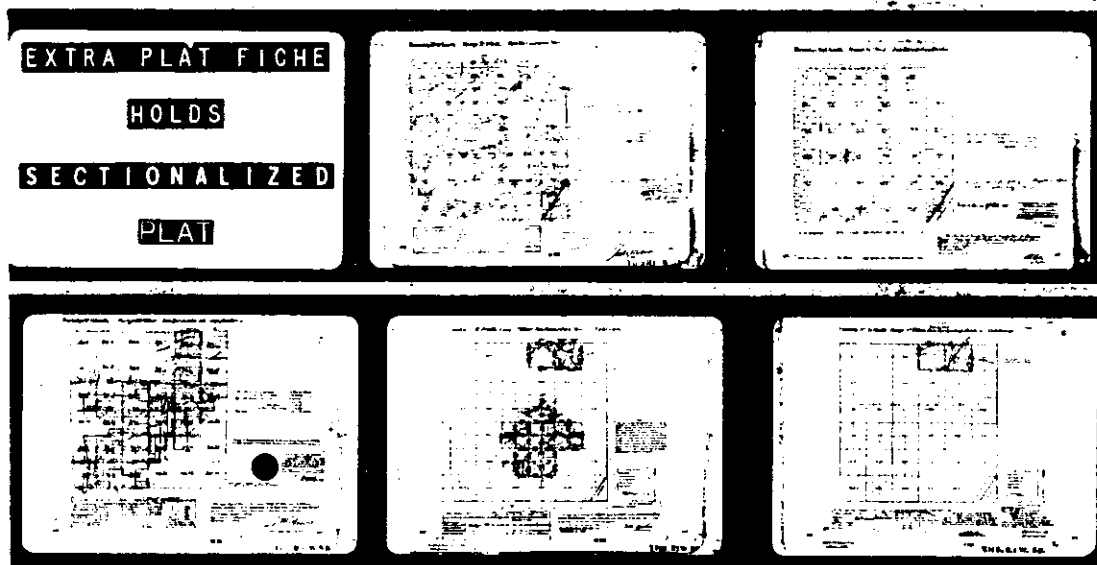
The surveys are of Townships in the public land survey system, each Township covering 36 square miles. The original plat maps are uniformly 42 x 51 cm. (19 x 24 in.) at scales of 1:31,680, 1:15,840, and 1:7,920; the surveying system which generates them has been in use since 1785. As with most map projects, it was concern for preservation which lead to microfilming. Other benefits inherent in microforms were not the ruling consideration. Since the original survey for any given Township remained part of its legal history, a cumulative chronological source of information which could be distributed inexpensively to any user, and would save the wear and tear on the originals, made microfilm a logical choice. The subsequent conversion from roll film to microfiche was made for several apparent reasons to further these aims: it was impossible to interfile new or revised plats in the sequence of roll films; new or revised maps, therefore, had to be added to new rolls, making it difficult to ensure that all of the historical record had been consulted without some sort of external index; and it was impossible to limit the geographic extent of the set while producing it on a low-cost basis. Since the plat maps are used heavily at the State and local level, microfiche seemed an appropriate choice. Even though microfiche is considered a more expensive format initially than roll film, the local and chronological needs could be seen as of overriding importance. The success of this logic is now before us, and in some ways it even brings into question the working premise that microfiche is inherently more expensive than roll film, at least for the microfilming of map series such as this at 35mm.

The microfiche are similar in appearance to the USGS quadrangles produced by Robert Markham [Microforms Unlimited, University of Northern Colorado, Michener Library, Greeley, CO 80639. Price list available on request.] Up to six 35mm frames are placed in two channels of a carrier - the same size as a microfiche. An eye-legible strip is then typed and affixed and the completed master reproduced on a standard microfiche duplicator. In the BLM set, as many such fiche as are needed are dedicated to each Township, so that they show the entire chronology of mapping at all scales. In the upper right corner of the header, the number of fiche required for complete coverage is then posted.

The right hand side of the header also carries state initials, and those of the producer: "USDI-BLM." The left-hand side is devoted to the series identifiers. Reading left to right are Township designation, Range designation, and initials for the Base Meridian. The headers are color coded for different Ranges—California has three—and color coded to indicate whether a Township is east or west of its Meridian. It is obvious that considerable thought went into this organization, both for ease of access and to minimize filing mistakes.

T II S R 1 W SBM

CA USDI-BLM 1 OF 3



Unaccountably, the center area of the header of the BLM fiche has been left blank. This portion is usually reserved for the "document description,"* and might have carried something minimal, like "U.S. plat maps." [* American National Standard for Information on Microfiche Headings (New York: ANSI, 1981) p. 11-12. ANSI standard Z39.32-1981.] It is easy to imagine someone who produced only one fiche product overlooking this element of the header, but BLM has a companion series of field notes which supplement the plats, and potentially a number of other map series which may one day be filed on fiche, too. At this stage, the issue is not critical, but it would not have hurt and in time might have proven useful.

In my use tests, the set arrangement was a might disconcerting. Fiche are sequenced in blocks by Range number, then Township number. But, since the Township number appears

farthest to the left, it is invariably read first. And since the color coding is based on the Range, it is impossible to reorder the sequence without upsetting the color code. While this seems ill conceived to me, I defer to the judgment of the BLMers, who have to use this set far more often than I.

My guess is that, when using large blocks of fiche such as this, it is easiest to find the appropriate Range block and hardest to find the particular Township within it; therefore, the Township appears first, where it is easiest to spot. In any case, the system is easy to master and use, even though a might idiosyncratic.

The maps were produced as negative images, an almost axiomatic step in map microfilming to avoid glare on a viewing screen. The reduction factor seems to be about 15X (it is not stated on the fiche, though it is suggested in the ANSI standard). Detail seems good when viewed on a reader, remembering that many of these documents are very old, most predating the first USGS quadrangle for their area, and have suffered the ravages of hard use. Even in the worst cases, patrons have been able to declutterize the microforms to pick out the information they need. I found this out when a professional geographer came in to research the Yuma, Arizona, area for an environmental impact report. Amongst all of the surveying lines, Section lines and a welter of numbers were the annotations he was hoping for, showing the locations of early Indian settlements, footpaths and dirt roads, none of which appeared on the subsequent topographic quadrangle. Locations of early mines are also clearly presented, as is extensive topographic information in many cases. While we do not expect the set to generate the amount of use seen by the USGS 'historic file,' it will serve as a valuable complement to that series, and push further back the date where we can search for information to be found only on large-scale mapping.

The plat microfiche are available individually for \$1 each from the relevant State BLM office, or in State blocks at a discount from the Bureau of Land Management, Branch of Micrographics, Building 50 D-246, Denver, CO 80225; ATTN: Mr. James Durham.

The BLM plat maps are similar in so many ways to the USGS historic topo quad file, that comparison of the two formats (fiche vs. roll) and their associated costs for a map library seems obligatory. Here we have two large map series, both microfilmed at 35mm, both produced by government agencies, and sold at cost.

There is no doubt that, once labeled and filed, the microfiche are easier for patrons to use, and involve less time for staff. Each fiche has all of the successive editions of a plat in an individuated form. It is easier to find, pull, use, refile, interfile, and update. Whether fiche will get lost easier

only time will tell, but they are cheaper to replace in that event, too, and do not involve the loss of anything but themselves.

As to costs, roll film has always seemed to have a clear advantage, if for no other reason than that it involved less work to produce. However, the least expensive roll of film now available from USGS is \$15, and contains about 500 images; that's exactly 3-cents per frame. BLM recently sold us microfiche at close to 17-cents each, with each fiche capable of carrying six images; that's near 3-cents per frame, too, although this price was negotiated more than a year ago, and has probably gone up since. Also, the price calculations do not allow for the fact that the fiche average less than six images each, but it is near enough equal for our purposes. [Commercial film/fiche are also priced similarly, at about 20-cents per map image.] Thus, there is not necessarily a purchase-price advantage to roll film.

I also assumed that roll film would be more compact to store, but again, not necessarily. The packing density of roll film is 4" x 4" x 3.25" = 52 cubic inches per 1,000 frames, while 1,000 frames on fiche is 4" x 6" x 1" = 24 cubic inches, even allowing some margin for less than six frames per fiche. And, this difference in storage costs tends to increase with time under certain conditions. For instance, annual updates to the USGS historic file involve multiple states, so the packing density becomes even less efficient for those interested in coverage of only one State. Meanwhile, updates to the fiche make its packing density increase towards the maximum, only new Townships getting a new fiche devoted to them, all others being replacements for fiche only partly filled before. On average, only one out of six updated fiche would add another unit to the total number of fiche present. This contrasts with the additional roll needed each time a revision is made to maps distributed in roll format.

Another factor to consider is staff time. Visualize the efficiency of a microfiche set which can be kept current by interfiling. Contrast this with the cumbersome problem of tracking the chronological evolution of a map which will appear on multiple separate reels. Not only is it more difficult to track--an external index is almost essential--but once found, all of the editions will be looked at with varying time-out for reel exchanges. On microfiche, since revised editions are adjacent on the same microfiche, the chronology is easy to shuttle across. And if you are so fortunate as to have a 105mm microform reader, the chronology can be presented six revised editions at a time.

Nor is it any small matter that the map library will have to buy separate, sometimes incompatible viewing and printing equipment to handle two formats. When you have no equipment at all this may be the least of your problems. But it will grow in proportion to the size of the microform collection. With good

equipment as expensive as it is, it may be worthwhile to pause at this early stage and consider a strategy which will minimize future hardware duplication. Buying two of everything -- readers, printers, cabinets -- to accommodate separate formats means each unit will be used to only half its potential.

Yet another issue which points out the superiority of microfiche over roll film, at least for our purposes, is multiple library sharing: both physical, geographic division of a large set, and normal interlibrary loans.

Within the UC system, we were able to subdivide the BLM microfiche into eight regional components and share the cost eight ways. We were thus able to buy the entire set for California; otherwise each campus would have paid the equivalent of an entire set just to get its local region; not only did we save money individually, but collectively as well. And not just on the purchase price, but also on storage. No one of us need house that portion of the set which is liable to be of little or no use. We have yet to devise a way to accomplish the same economy with the USGS roll film set. Even on a State-wide basis, we cannot divide the reels geographically because the quadrangles are arranged alphabetically. We will each end up buying the entire state, when the money used in this duplication could have gone towards gaining national coverage on a collective basis. In real terms, and using the BLM/USGS example for California only, each of the UC libraries is paying a \$205 premium for the USGS quadrangles of California on roll film, over what it would have cost us for the same set on microfiche divided on a regional basis; collectively that amounts to \$1,640. [I arrived at this figure by adding the total cost for the 19 rolls needed for California coverage ($19 \times \$15 = \330), subtracting our one-eighth share cost for the BLM fiche (\$125), then multiplying by eight campuses.] Likewise, we can interlibrary loan the BLM fiche on a quadrangle basis; we must send numerous unneeded maps on roll film, up to and including the whole set, just to see coverage of one county.

At one time these were relatively trivial concerns; most importantly, the maps were finally available on microfilm. But now that the number of such maps has begun to aggregate, it is time to consider the implications. The number of such microform maps is significant, now, with perhaps 200,000 available from USGS alone on 400+ reels. [I will try to assemble a list of the non-topographic map reels for the next issue.] When I began writing about map microforms six years ago, a map collection of that size was considered quite something. Now, at a guess, it would be possible to assemble a microform map collection of a million images without too much trouble. And the collection would satisfy most qualitative criteria, too, including as it would both historic and current mapping at all scales (though not of all places), and would include a healthy dose of atlases, too. Where six years ago an accessions rate of 3,000+ maps per year was a

substantial rate, the BLM set alone was ca.36,000 maps, and was absorbed with disproportionate ease. Adding another 100,000 maps from USGS would also be easy, at a cost for the film of only \$6,000. By any measure, this must be considered a significant change in map librarianship. And it has only begun. LC can be expected to continue its atlas preservation filming, and its new 105mm map preservation work [LC Information Bulletin 42(12):102-103, March 21, 1983] at a guesstimate rate of at least 10,000 frames per year. Last year, the Public Archives of Canada generated almost 7,500 105mm map fiche (admittedly a bad year for them when they had been averaging more than 11,000)[Public Archives of Canada. Annual Report, 1981/1982, p. 80.]; and similar projects are gearing up in Europe, for instance at France's Maritime Archives [Margaret Wilkes, "Conference of European Map Librarians - Paris, October 1980," Society of University Cartographers Bulletin 15(2):80], within WAML, and at the Government Printing Office [see below].

Census Maps on Microfiche

GPO has begun distribution of microfiche copies of the first of the ca.36,000 maps associated with the 1980 Census. These have been photographed at 105mm, one per fiche. They will be issued in five series which, taken together, will cover most populated places in the United States and Puerto Rico. Included are:

- 1) County map series. 5,500 sheets, most at 1:63,360.
- 2) Metropolitan Map Series & Vicinity Map Series. 10,400 sheets at scales of 1:9,600, 1:19,200, 1:38,400, and 1:76,800.
- 3) Place Map Series. 11,800 sheets. Scales vary.
- 4) Place and Vicinity Map Series. 4,500 sheets. Scales vary.
- 5) Indian Reservation Map Series. 100 map sheets, 1:63,360?

All of these maps will be sent to each of the ca.1,300 depository libraries selecting them, gratis. As in past years, this is an excellent source for detailed street maps of U.S. places, although they will be easy to overlook since they are on fiche. In the 1970 census, the less extensive mapping of this type was released in bright yellow folders which were easy to spot and easy to remember.

WAML MicroCartography Consortium

The WAML MicroCartography Consortium has received a tentative approval from the Executive Committee (see Minutes, Executive Committee, this issue). A committee within the Publications Advisory Committee has been formed and will present a formal proposal for a microfilming project at the next WAML meeting in September in Berkeley.

BENCH MARKS I**John Fetros**

Longtime Member of WAML, John G. Fetros, Acquisitions Librarian, San Francisco Public Library, won the 1982 Journalism Award, Best General Story, for his "Horses and the Humanities / Horses and U. S. Presidents". The award was given by The Chronicle of the Horse and appeared in the February 18, 1983 issue.

1983-84 Candidates for MAP ONLINE USERS GROUP

WAML Members included on the ballot include:

for President: **Joanne Perry** (Oregon State University)
for Vice-President: **David Lundquist** (University of California, Davis)
for Treasurer: **David McQuillan** (University of South Carolina)
for WLN Database Liaison Officer: **John Kawula** (University of Idaho)

Richard W. Stephenson

Dick Stephenson, Geography and Map Division, The Library of Congress, was the banquet speaker at the 35th annual meeting of the Virginia Association of Surveyors held in Williamsburg on January 22, 1983. His address, "The Delineation of a Grand Plan: The L'Enfant Plan of the Nation's Capital," was based on his article of the same title which was published in the summer 1979 issue of the Quarterly Journal of the Library of Congress.

Johnnie D. Sutherland

Associate Member of WAML, John Sutherland, on leave from his position as Map Curator at the University of Georgia Libraries as a student at the University of Michigan, Ann Arbor, was named a Council on Library Resources "Michigan CLR Fellow, Class of 1983". His internship is at the Graduate Library, University of Michigan.

J. B. Post & Joyce Post

Jeremiah Post, Free Library of Philadelphia and frequent contributor to the Information Bulletin, and his wife Joyce, are the authors of Travel in the United States: a guide to information sources (Gale Research Company). Their work has been selected as "one of the outstanding reference sources of 1982" by the Reference and Adult Services Division, American Library Association. It will be displayed at the ALA conference in Los Angeles at the exhibit sponsored by the Division. Congratulations to you both!

Nancy Pruett

WAML Member and columnist for the Information Bulletin, Sandia National Laboratories, Albuquerque, NM, has been appointed the Geoscience Information Society's Technical Program Liaison for the Third International Conference on Geological Information to be held in Adelaide, Australia, in 1986.

Stanley R. Pillsbury

Stanley R. Pillsbury, a former atlas cataloger in the Geography and Map Division, Library of Congress, for 25 years until his retirement in January 1976, died at the age of 76 of a heart attack on January 5, 1983 in Bethesda, Maryland.

NEW MAPPING OF WESTERN NORTH AMERICA

Contributions by:

MB = Mary Blakeley, University of Arizona, Tucson
 LC = Larry Cruse, University of California, San Diego
 PH = Phil Hoehn, University of California, Berkeley
 ML = Mary Larsgaard, Colorado School of Mines, Golden
 LN = Linda Newman, University of Nevada, Reno
 JW = Jim Walsh, University of Wyoming, Laramie

ARIZONA

* Du Bois, Susan M., Thaddeus A. Nowak, Ann W. Smith, and Nan K. Hye
Historical epicenters in Arizona 1830-1980. Tucson, Arizona, 1982. Bureau of Geology and Mineral Technology, 845 North Park Ave., Tucson, AZ 85719. 77 cm. x 58 cm. 1:1,000,000. Map included in BGMT Bulletin 193 (Arizona Earthquakes, 1776-1980). Price for Bulletin is \$20.00; Map separate is \$3.00 + 20% handling. MB

* Jay, J. E., D. M. Hendrickson, Y. H. Havens, and D. F. Post
Arizona general soil map. Tucson, Arizona, 1983. Published by the U. S. Soil Conservation Service and University of Arizona Agricultural Experiment Station as part of the National Cooperative Soil Survey. Available from: University of Arizona Soils Club, 410 Agricultural Sciences Bldg. No. 38, University of Arizona, Tucson, AZ 85721. 96 cm x 61 cm. 1:1,000,000. \$4.00 MB

* Scarborough, Robert B. and Michel L. Coney
Index of published geologic maps of Arizona 1903-1982. Tucson, Arizona, 1982. Bureau of Geology and Mineral Technology, 845 North Park Ave., Tucson, Arizona 85719. 77 cm x 58 cm. 1:1,000,000. \$5.00 + \$1.50 handling charge. Index consists of six sheets displaying areas covered by all known published geologic maps of Arizona. Nearly 500 map references are included in this index. MB

* U. S. Geological Survey
Petrified Forest National Park, Arizona. Reston, VA., 1982. 1:50,000. 93 cm x 46 cm. \$3.25 U.S.G.S., Western Distribution Branch, Box 25286 Federal Center, Denver, CO 80225. Includes a portion of the Navajo Indian Reservation. MB

CALIFORNIA

* California. Department of Transportation. Division of Mass Transportation.
California state railroad map. Sacramento, 1982. 117 cm x 91 cm. 1:1,000,000. \$1.00 check or money order. Shaded relief; colored; insets. Caltrans, 6002 Folsom Blvd., Sacramento, CA 95819. LC

* Embarcadero Center, Inc.
Embarcadero Center map and directory. San Francisco : The Center, 1982? Free: Embarcadero Center, Inc., Four Embarcadero Center, Suite 2600, San Francisco, CA 94111. PH

* Goddard, George Henry.
Britton & Rey's map of the state of California. Berkeley : Friends of the Bancroft Library, 1969. Facsimile of the 1857 edition (San Francisco : Britton & Rey, 1857.) \$5.00: Friends of the Bancroft Library, University of California, Berkeley, CA 94720. PH

* T. O. Erickson Maps
Mt. Diablo State Park and other recreational lands : featuring ten special hiking trails. Oakland, Calif. : T.O. Erickson, 1982. \$2.65: T.O. Erickson, 337 17th St., Oakland, CA 94612. Minimum charge for mail orders is \$10. PH

COLORADO

* Gold placer deposits maps of Colorado. Manitou Springs, H & H Publishing, 1982. Price unknown. [As listed in Geotimes.] [H & H Publishing, 211 Illinois Ave., Manitou Springs, CO.] ML

MONTANA

* Isom, Arthur L.
Shaded relief, oblique view map, vicinity of Going-to-the-Sun Highway, Glacier National Park, Montana. Reston, VA., U.S. Geological Survey, 1983. \$2.50 USGS, Western Distribution Division, Box 25286 Federal Center, Denver, CO 80225. ML

* [see also Wyoming]

NEVADA

* Bell, John W.
Fault scarps and fissures in Las Vegas Valley. Plate 1 (of 1), Bulletin 95, Nevada Bureau of Mines and Geology, Reno, 1981. 1:62,500 50 x 71 cm. b & w. Available only with Bulletin 95: \$6.00 Nevada Bureau of Mines & Geology, University of Nevada, Reno. Reno, NV 89557 (telephone 702/784-6691), add 10% for postage & handling. Payment must accompany all orders. (checks payable to Nevada Bureau of Mines and Geology). LN

* Benoit, Walter R., John E. Hiner, and Robert T. Forest.
Discovery and geology of the Desert Peak geothermal field: a case history. Reno, Nevada Bureau of Mines and Geology, 1982. Sold only with Bulletin 97. \$12.00 [see ordering address in Bell above] 14 maps (Plates 1 - 14) in pocket, 1:24,000 & 1:62,500, covering geology, gravity, thermal, magnetism. Not available separately. LN

* Bonham, Harold F. Jr., and Larry J. Garside.
Geochemical sample location map of the Tonopah, Lone Mountain, Klondike, and Northern Mud Lake, Quadrangles, Nevada. Reno, Nevada Bureau of Mines and Geology, 1982. 1:48,000 97 x 92 cm. b & w. Sold only with Bulletin 96. \$8.00. [order as in Bell above] LN

* Bonham, Harold F. Jr., and Larry J. Garside.
Geologic map of the Tonopah, Lone Mountain, Klondike, and Northern Mud Lake Quadrangles, Nevada. Reno, Nevada Bureau of Mines and Geology, 1979. 1:48,000 92 x 117 cm. col. Plate 1 of Bulletin 92. \$6.00 (2 plates) sold as separates, \$10 with Bulletin [order as in Bell above]. NL

* Bonham, Harold F. Jr., and Larry J. Garside.
Interpretative cross sections for the Tonopah, Lone Mountain, Klondike, and Northern Mud Lake Quadrangles, Nevada. Reno, Nevada Bureau of Mines and Geology, 1979. 94 x 39 cm. col. Plate 2 of Bulletin 92. [sold as in entry above]. LN

* Garside, Larry J., and John H. Schilling.
Thermal waters of Nevada. Reno, Nevada Bureau of Mines and Geology, 1979. 75 x 82 cm. b & w. Plate 1 (of 1) of Bulletin 91. \$3.00 sold as separate, \$6.00 with Bulletin. [available as in Bell above]. Thermal sites given as "spring", "water", "geothermal", or "mine" with temperatures indicated; indexed by county. LN

* Mifflin, M. D., and M. M. Wheat
Late Quaternary Pluvial Lakes in Nevada. Reno, Nevada Bureau of Mines and Geology, 1979. 56 x 82 cm. Plate 1 (of 1) of Bulletin 94. \$4.00 sold only with Bulletin. [as in Bell above]. LN

* Papke, Keith G.
Fluorspar deposits occurrences in Nevada. Reno, Nevada Bureau of Mines and Geology, 1979. 82 x 56 cm. 1:1,000,000 b & w. Plate 1 of Bulletin 93. \$4.00 as separate, or \$6.00 with Bulletin. [as in Bell above]. LN

* Papke, Keith G.
Geologic maps of the 3rd, 8th, and 13th levels and geologic cross section, Daisy Mine, Nye County. Reno, Nevada Bureau of Mines and Geology, 1979. 66 x 54 cm. 1:600 Plate 2 of Bulletin 93. [available as above]. LN

NEW MEXICO

* **New Mexico highway geologic map.** Socorro, New Mexico Geological Society, 1982. 1:1,000,000 117 x 61 cm. \$5.00 rolled, \$3.50 folded. NMGS, Campus Station, Socorro, NM 87801. ML

WYOMING

* Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming.
Land Cover Maps for Wyoming and Montana.

Preliminary, blue-line editions of land cover maps for the states of Wyoming and Montana (2 sheets) are now available. The classification scheme divides the states into eight categories: alpine, cropland, sand dunes, wetlands and deepwater, disturbed areas, rangeland, woodland and forest. The maps are produced at a scale of 1:500,000 making them compatible with the U.S.G.S. state topographic maps. The final editions are expected to be completed this summer and will also be blue-line prints. The maps are accompanied by a six-page key, "Land Cover Classification for Wyoming and Montana for Use with Landsat Imagery," and the preliminary and final editions are priced at \$5.00 each. For additional information and orders, please contact: Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming, University Station, Box 3166, Laramie, WY 82071. JW

PUBLICATIONS OF RELEVANCE

Contributions by

LC = Larry Cruse, University of California, San Diego
 BK = Betty Kidd, National Map Collection, Ottawa
 ML = Mary Larsgaard, Colorado School of Mines, Golden
 EP = The Editor, from publishers' blurbs & items in hand
 JP = J. B. Post, Free Library of Philadelphia
 NP = Nancy Pruett, Sandia National Laboratories, Sandia, NM
 MS = Muriel Strickland, San Diego State Univ., San Diego
 PS = Peter Stark, University of Oregon, Eugene
 JW = Jim Walsh, University of Idaho, Laramie

* **The Traveler's Book Society.** Review. Bimonthly. \$25 yr. 20 N. Wacker Drive, Chicago, IL 60606. With Membership

The Review is edited by Dr. Robin W. Winks, Professor of History at Yale University. It is an 8-page bimonthly which covers travel books in a broad sense. New guidebooks, historical novels, old classics, architecture, art, music, archaeology, history, - any subject that interests an inquiring-minded traveler who wants more from travel than superficialities.

The Society also maintains a continuous search for unusual books not found in bookstores. The Review will include citations to these works that will assist librarians in the book selection process. JP

* **Richard Fitch,** Old Maps & Prints & Books, 2324 Calle Halcon, Santa Fe, New Mexico 87501 (505) 982-2939. Americana. Catalogue 39 (Spring 1983). Sample copies \$2.00 U.S. & No. Amer., \$4.00 elsewhere.

The largest issue yet, "80 pages and more than 80 illustrations". EP

* **National Ocean Survey.** National Ocean Survey Cartobibliography: Civil War Collection. Rockville, MD: The Survey, 1980. (C 55.402: C 54; OCLC # 6988233). JW

* **National Ocean Survey.** National Ocean Survey Historical Cartobibliography II: Age of Exploration. Rockville, MD: The Survey, 1982. (C 55.413: C 24/2). JW

* **Black's Research Service, Inc.** Black's Guide: to the Office Space Market. ISSN: 0733-2580. \$25.00 Per Issue. Suburban Manhattan Vol. I, is published annually by Black's Guide, Inc., P.O. Box 2090, Red Bank, NJ 07701. Phone 201-842-6060.

The issue sent for review is the Winter 1983 (February, 1983; Vol. VIII No. 2 - [the numbering must drive Serials Catalogers mad]). From an ad on page 10, I see that Suburban Manhattan (which is Northern New Jersey) is divided into two Volumes. Volume I covers the following counties in New Jersey: Bergen, Essex, Hudson, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Union; and, in New York: Rockland/Orange, Staten Island. From another ad on page 177, I add that Volume II of Suburban Manhattan covers Connecticut, Long Island, and Westchester. New Haven and Hartford are to be introduced into the 1983 edition of Vol. II. Black's Guide is also published for: Denver, Houston, Orange County (California), Philadelphia (and its suburbs: Camden area, NJ, Bucks & Chester, PA, & Montgomery, Del), Washington/Baltimore (D.C., Maryland, Northern VA.)

This is a very interesting publication, the full-color ads are quite attractive. The features that are standard for each of these guides include: "When to Consider a Move", "What to look for", "The people who can help you", "The Lease", "Interior Construction Cost", "Moving Cost and Schedule", "Furnishing and Design Cost", "Financing a Spec Office Building", and "The ABC's to Marketing". Profiles of brokers and developers are also included. While the publisher is interested in improving its maps that appear in the publication (according to the note attached to the review copy), it would be a dramatic improvement to this publication to have some consistency about the issue numbering, the geographical coverage of each issue; e.g., the ad on page 16 indicates that "Los Angeles" will be issued in "('83)", yet the tear-out coupon for new subscriptions (at the rear of the guide) indicates "Orange County, CA" will be issued in early 1983. (There are other examples, but I've made the point.) Most of the main maps used in this publication are specific to the theme of locating the advertisers included in the guide, and they are adequate. The inset maps are reduced from another format, and are quite inadequate, except for those most familiar with that region. The publishers would make a good investment to contact a cartographer, perhaps a professor of cartography at a local college or university that teaches cartographic design, or a cartographer who has done commercial work on a consulting basis, to have the entire set of Black's Guides reviewed for cartographic adequacy. One final criticism, the binding of this guide is a rather poor job of "perfect binding", where the left margin is machine reamed and then the cover wrapped around and glued to the spine. My copy is falling apart after a few times of use. It may be adequate for some non-library uses, but if kept in an active business office I don't see how it could stand constant use for the year until the next issue arrives. Perhaps the choice of bindings could be reconsidered.

Given the above observations, the guide serves an obvious need for those considering or attempting to relocate their offices. The geographic analysis provided in the guide may be expanded by contracting for customized information available through Black's Research Service, which provides computerized reports to conform to the requirements stipulated by the client. I haven't seen the other issues, but if the sample bears any resemblance to them I would find the purchase of one copy on a trial basis a worthwhile venture. Then, in the library setting, if it is used - and I think the Los Angeles Public Library, for example, would be able to use the one for its area - then a subscription would provide up to date commercial information that a library reference desk would find useful. EP

* **Eagle Eye Maps**, P.O. Box 30917, Seattle, WA 98103. Francis Stanton, dba Eagle Eye Maps. *Traveler's Maps*, Spring 1983, is the title of the latest catalog. Mail order only. World wide map producers are stocked: Kummerly + Frey, Hallwag, Rand McNally, Bartholomew, National Geographic, Erwin Raisz, U.S.G.S., Michelin, Patria, IGN, Canada Map Office. The catalog listings are dot-matrix computer printer produced, and while efficient for the catalog producer and smart business practice for revisions, the type face is not clear - some of the letters "block-up" when printed, and the reverse italic tends to produce an optical illusion. Otherwise, the design of the catalog is very helpful. Regional maps for each section of the catalog give the reader an indication of which countries are listed in that region. Examples of each map producer's product are reproduced. Scale is explained. An entire page is devoted to **Map Folding**, with illustrations of how to fold a map! EP

* **Catalogue of Finnish Charts**. 1983. Helsinki, Hydrographic Department of National Board of Navigation, 1983.

Charts are published by the Hydrographic Department of the National Board of Navigation: Sales Office, PB 158, 00141 Helsinki 14, Finland. Sales and marketing of charts, however, is the responsibility of the Map Centre of the National Board of Survey: PL 85, 00521 Helsinki 52, Finland. Other publications include Notice to Mariners (published three times a month, in Finnish and in Swedish); Notices to yachtsmen (published three times a year in Finnish and Swedish); List of Lights of Finland (new edition every third year, 1981 is current); Supplement to the "List of Lights of Finland" (for the two intermediate years); Explanation of Symbols (1982; free); Catalogue of Finnish Charts (5 Markka); Index Chart (free); Distance of Pilotage; Rates of Pilotage; The Finnish merchant marine (1982). EP

* **Richard B. Arkway, Inc. Fine Rare Books**. Catalogue XXII, 1983. Prepared by Robert Augustyn, Alisa Deitz, Richard Lan, Madelyn Dzik & Richard B. Arkway. 131 Fifth Avenue, Suite 401, New York, NY 10003.

"This catalogue marks something of a departure for us at Richard B. Arkway, Inc. As our regular clients know, our catalogues thus far have offered maps, atlases, travels, voyages, and some illustrated books. The present catalogue is a good deal more general in scope. Works in the fields of medicine, navigation, mathematics, natural history, physics, astronomy and architecture are offered here along with a plentiful selection of the kind of material we've traditionally catalogued. ... I hasten to add that we do intend to continue to regularly issue catalogues of antique maps and maintain a strong stock in that area." EP

* **GeoKatalog Band 2.** GeoCenter Internationales Landkartenhaus GmbH, Postfach 800507, D-7000 Stuttgart 80. Issued in leaves that file in two binders, according to the GeoKatalog system, one binder for Europe, one for other areas - titles and notations in German, English, and French, depending on the language of the original publication. Subscriptions include approximately 30 new catalog pages sent on a quarterly basis. Included in subscription is GeoKartenbrief, issued quarterly, that up to date items for sale. The entire work is available on sub for DM 295 per year. One convenient feature of GeoKatalog Band 2 is the inclusion of Index Maps for the series, annotated with coverage published to date. An indispensable reference tool for any active acquisition program, or as an assistance to the patron who will be traveling to Europe and can do some shopping before visiting GeoCenter in Stuttgart or other German cities. EP

* **Henry Stevens, Son & Stiles**, 4 Upper Church Lane, Farnham, Surrey, Engl. Catalogue Americana 94 (Autumn 1982). [and at P.O. Box 1299, Williamsburg, Virginia 23185] Prices are in U.S. \$. EP

* **Ryder Geosystems**, 445 Union, Suite 304, Denver, CO 80228 (phone 303/ 988-4853). Remote Sensing Publications/Products Catalogue. Spring 1983. \$2.50. [Summer catalogue available June, 1983] Also available from Ryder, May 1, 1983: Remote Sensing Systems Handbook, by Mary Larsgaard. Order #RG-200 \$35.00. Includes an extensive list of books and other publications stocked by Ryder in the fields of remote sensing, remote sensing training programs, geology and geophysics, energy industry, geography and mapping, directories, etc. Satellite imagery, color and b & w, and computer compatible tapes - and Ryder's Standard Geographic Reference: Satellite Photo-Atlas of the United States of America. EP

* **W. J. Faupel**, 3 Halsford Lane, East Grinstead, Sussex, Engl. W. J. Faupel's Catalogue 83, antique maps, charts, plans and views relating to: THE AMERICAS. Includes quite a few separate Badeker plans. 210 illus. Prices from U.S.\$10 up. EP

- * **Selected New Atlases and Maps.** No. 25, July-December 1982. March 1983. Map Library, University of Oregon, 165 Condon Hall, Eugene, Oregon. First issue under new administration of Peter Stark, Map Librarian. EP
- * Tyacke, Sarah. **English map-making 1500-1650: Historical essays** edited by Sarah Tyacke. London (England), The British Library, 24 March 1983. Price: £20. ISBN 0-7123-0010-4. The British Library, Reference Division Publications Office, Great Russell Street, London WC1B 3DG. EP
- * **CARTO-03. Répertoire Cartobibliographique sur la Région de Québec.** Compile par Yves Tessier, avec la collaboration de Jacques Martinez et la participation de Louise Lavoie. Québec, Cartothèque, Bibliothèque de l'Université Laval, 1983. 269 pages. CAN \$15.00 ISBN 2-920310-01-1. Make checks payable to "l'Université Laval", and send orders to Direction, Bibliothèque de l'Université Laval, Pavillon Bonenfant, Université Laval, Québec G1K 7P4. EP
- * Ellis, Earl H. **Colorado Mapology.** Frederick, CO, 1983. Jende-Hagan Book Corp., Frederick, CO 80530. \$35.00. Cartographic study on history and development of Colorado. ML
- * **Satellite Images of Australia,** edited by K. G. McCracken and C. E. Astley-Boden, et al. North Ryde, NSW, Harcourt Brace Jovanovich Group, June 1982. 24 full-color images, 72 pages, Cloth: AUST \$25.00 (out of print); Paper: U.S. \$14.95 post free. Order from N. L. McKinnon, P.O. Box 847, Timaru, New Zealand (at this \$ quote). EP
- * **Newsletter.** No. 13, Winter 1982. Reston, VA., National Cartographic Information Center, U.S. Geological Survey, 507 National Center, Reston, VA 22092. Donna Cedar-Southworth, Editor. This should be received automatically by all Map Depository libraries. EP
- * **Maps of Indian Reserves and Settlements in the National Map Collection.** Volume II: Alberta, Saskatchewan, Manitoba, Yukon Territory, Northwest Territories/Cartes des reserves et agglomerations indiennes de la Collection nationale de cartes et plans. Volume II : Alberta, Saskatchewan, Manitoba, Territoire du Yukon, Territoires du Nord-Ouest. This publication has recently been reprinted and is now available, free of charge, from the Public Archives of Canada, National Map Collection, 395 Wellington St., Ottawa, Ontario, Canada K1A 0N3. [From the first printing, there were over 300 requests for this publication that could not be supplied.] BK
- * Morrone, John F. **Bibliography of Alaskan Geologic Maps by 1:250,000 Quadrangle.** Reston, VA., U. S. Geological Survey, 1982.

Open-File Report 82-195. 1 microfiche at 24 x. Available in GPO depository libraries that select the OFR series (Su Docs I 19.76). Citations for geologic mapping of Alaska is updated on a regular basis and released in the OFR series. EP

* **The Shaping of Vermont: From the Wilderness to the Centennial 1749 - 1877.** Old Bennington, Vermont, Vermont Heritage Press, 1983. Limited edition of 250 numbered and signed copies. 164 pages, 6 color plates. A separate portfolio of six full-color reproductions of classic Vermont maps in sizes up to 18" x 36". First volume of a proposed multi-volume Vermont Heritage Series. Each number assigned to one of the 250 copies will be registered. This number will be available to the buyer for future volumes in the series. \$195.00 plus \$5.00 shipping. Text is by J. Kevin Graffagnino, Curator of the Wilbur Collection of Vermontiana at the University of Vermont's Bailey/Howe Library. There are 35 maps in the book. More information available, or order from: Vermont Heritage Press, c/o The Bennington Museum, Old Bennington, VT 05201. Institutions may send purchase order. EP

* **The Patrons of the Library and Collection for the History of Cartography 1971 - 1982. An Exhibition - October 24, 1982.** Fullerton, California State University, University Library, 1982. Publication Number 9. Roy V. Boswell, Collection for the History of Cartography, University Library L-444B, California State University, Fullerton. Mailing address: Post Office Box 4150, Fullerton, CA 92634.

This exhibition catalog was produced by Roy V. Boswell, Curator of the Collection For The History Of Cartography. He notes in his foreword that the collection, in this first decade, has grown from an initial collection of 54 maps to 1427 maps, not including those in atlases and other books. The exhibition on October 24th included a map of America by Theodor de Bry dated 1592: Americae Pars Magis Cognita [Frankfurt-on-the-Main]. A reproduction of the map appears at the center-spread of the catalog. Copies of the catalog are available from Mr. Boswell at the above address.

Mr. Boswell is now in the process of compiling for publication a printed and illustrated catalog of the maps that are gifts of the Patrons of the Library. In addition, plans are well underway for the future publication of a complete catalog of the collection, including books, atlases, and ephemera, to be published by G. K. Hall & Co. of Boston. EP

* **University of California. San Diego. Library. The Hill Collection of Pacific Voyages.** Edited and annotated by Ronald Louis Silveira de Braganza. Volume II. 1982. xviii, 290 p., with 11 facsimile reproductions (incl. col. front.): LC 73-620246 Z6005 .P3 C34. \$115. / Volume III. 1983. xii, 140 p. (index to Vols. I & II) \$60. Vols. I, II, & III \$275. (Vol. I not available singly). Prepayment required. Check, payable to The

Regents of the University of California, to: B. Matthews, University Library, C-075-G, University of California at San Diego, La Jolla, California 92093. Prices include postage and handling for shipments in USA. All shipments insured. Foreign buyers add 3% of order for shipping. California buyers add 6% state sales tax. Bookdealer discount 10%.

The Hill Collection, a gift of Kenneth Hill to the Library of the University of California, San Diego, has grown significantly since the publication of the initial bibliography in 1974. A second volume of the bibliography has now been issued. This Collection, one of the most comprehensive assembled in our generation, contains books, manuscripts, and ephemera on Pacific voyages, covering all of the important explorations and discoveries made in the Pacific area and in western North and South America up to 1855. Volume II is limited to 750 copies. Volume III includes a chronological index as well as a general index and addenda. The latter is limited to 900 copies. EP

* Vopelius, Caspar. *Rheinkarte von 1555*. Stuttgart, Verlag Muller und Schindler, 1982? Fabriges faksimile im format des originals 55 x 155 cm. Mit einer einfuhrung von Traudl Seifert. Karte und Einfuhrung, DM 150. DL

* Harris, Cole. "The Historical Atlas of Canada: A Preview". The William and Mary Quarterly, April 1983, pp. 292-296.

Cole Harris is the Editor of Volume I of this atlas, and here he outlines the plan for this three-volume work. Volume I will cover Canada before 1800; it is expected in 1985. Volume II will work its way through Canada's history to 1890, and Volume III from 1890 to 1960, to appear "in the late 1980s". The English edition will be published by the University of Toronto Press, and the Les presses de l'universite de Montreal will publish the French edition. The cartographic work is being done in the Cartographic Laboratory at the University of Toronto under the direction of Geoffrey Matthews. The compilation has been supported by grants from the Social Science and Humanities Research Council of Canada. It is hoped that the initial projection of \$37.50 (Canadian \$) will be the published price. More information is contained in the article cited above. EP

* Imhof, Eduard. *Cartographic Relief Presentation*. Edited by Harry J. Steward. Translation of *Kartographische Gelandedarstellung*. De Gruyter, 1982. 18 x 26 cm. xviii, 389 pages. Figures, maps, 14 color plates, 222 black and white illustrations. LC # 82-5001 ISBN 3-11-006711-0 \$79.95. Walter de Gruyter, Inc., 200 Saw Mill River Road, Hawthorne, NY 10532. This is the English translation of Imhof's classic work. It provides a comprehensive analysis of the entire process of portraying a landscape from the topographic, artistic and technical points of view. It is truly a landmark work which sets the standard in this area. EP

* Deumlich, Fritz. **Surveying Instruments.** Berlin & Hawthorne, NY, Walter de Gruyter, 1981. 316 p., 785 figs., 38 tables. ISBN 3-11-007765-5. \$45.00 This is the English translation of a standard reference work in Germany, now in its 7th edition. The book covers current practice with electronic instrumentation as well as those of historical use. EP

* Southworth, Michael. **Maps: a visual survey and design guide.** New York, New York Graphic Society (Little, Brown), 1982. LC # 82-3403. ISBN 0-8212-1503-5. \$39.95 EP

* **Northern Oregon Cascades Topographic Atlas.** by Madelynn Diness. Portland, Oregon, Flying Pencil Publications, 1983. (paperbound). \$12.95 Flying Pencil Publications, P.O. Box 19062, Portland, OR 97219.

An atlas consisting of 94 U.S. Geological Survey topographic quadrangles (7.5 and 15 minute) photo-reproduced to fit 34 x 24 cm. format. The atlas covers northern Oregon Cascades from 44-degrees-N to the Columbia River and from 121-degrees-W to 122-degrees thirty-minutes-W. Included in the atlas is an introduction, vicinity map, instructions on how to read topographic maps, index to the maps and to place names. Topographic maps are reproduced in black and white but are sufficient to read accurately. PS

* **Maps in earth science publications.** Vermillion, South Dakota, I.D. Weeks Library, University of South Dakota, 1983? A location guide to maps in professional earth science literature. The publication identifies over 900 maps and their sources published in 1980. Maps published in 1981-82 will be cited in a single volume now in progress. \$7.00, payable to "I.D. Weeks Library" ... University of South Dakota, Vermillion, SD 57069. Prepayment required on orders under \$20.00. [from GIS Newsletter No. 79, February 1983] NP

* **Antique Maps, Sea Charts, City Views, Celestial Charts & Battle Plans, Price Guide and Collectors' Handbook for 1983.** Brookline, Massachusetts, David C. Jolly Publishers, (P.O. Box 931, Brookline, MA 02146), 1983. ISBN 0-911775-00-5 Cloth, 6 x 9 in., illus., 287 p. \$31.50 Available from Baker & Taylor Co. A 10% discount is extended to libraries and non-profit institutions ordering directly. Prepayment required on direct order, discounted price is \$28.35 postpaid in U.S. at Book Rate post. EP

* **California Map Society. Bulletin.** Premier Issue. April 1983. 12021 Wilshire Boulevard, Box 2008, West Los Angeles, CA 90025. N. L. Diaz, Editor. This new publication is issued to all Members of the CMS. Includes "A Message from the President" (Gerald L. Greenberg), a "... Brief History" (compiled by Sandra Lamprecht and Judith Tyner), an illustrated page on the Society's logo and

the history of its selection, a list of similar organizations in the U.S. and Canada, a 1983 Calendar of Meetings, a "List of Members, Friends, and Guests: 1978 - 1982" (compiled by Gerald L. Greenberg, Noel L. Diaz, and Nancy L. Johnson), a list of the current membership (compiled by Noel L. Diaz, CMS Secretary-Treasurer), the "Membership Profile" indicates that "as of April 1, 1983, the CMS had 83 full members, of whom 18 are students (\$5), 52 are Individual (\$10), 7 Senior Citizen (\$5), 2 Institutional (\$10), 3 Contributing Sponsor (\$25), and 1 Sustaining Patron (\$100).

The CMS had its 14th meeting on Saturday, April 9, 1983, at the campus of California State University, Northridge. The host was the Department of Geography. The program included the following presentations: "Maps for the visually handicapped", by Eugene Turner, Professor, Department of Geography, CSUN; "Cartography and Public Policy: a Northridge Perspective", by William Bowen, Professor, Department of Geography, CSUN; "Computer aspects of the U.S.-Mexico Borderlands Atlas", by Professor Norman J. W. Thrower, Joan Drake, and William Bradley, Department of Geography, UCLA; "The Sanborn Fire Insurance Map Collection at ...Northridge", by Michael Swift, Map Curator, CSUN.
EP

* **Collectors Circle Ltd.**, P.O. Box 225, Lemont, IL 60439. Map List 3-83. A list of 59 items that range from an Ortelius 1573 Dutch edition of his *Theatrum Orbis Terrarum* (\$24,500) - to an 1865 map by Dower of "The World in Mercator's Projection". EP

* **Goyer, Doreen S.**, 1930-. **The handbook of national population censuses** (Latin America and the Caribbean, North America, and Oceania). 236 p., charts, maps, tables, appendixes. by Doreen S. Goyer and Elaine Domschke. Westport, CT, Greenwood Press, 1983. LC # 82-9390 ISBN 0-313-21352-6 \$75.00 (A companion volume is forthcoming: *The Handbook of National Population Censuses - Africa, Asia, and Europe.*) EP

* **Wisconsin Geological and Natural History Survey. Bedrock geologic map of Wisconsin.** 1:1,000,000. Available from: M.A.P.S., Wisconsin Geological and Natural History Survey, 1815 University Avenue, Madison, Wisconsin 53706-4096. \$6.00 plus \$1.75 for postage and handling. A limited number of maps printed on tear-proof, water-proof, plasticized stock are available for \$20.00 plus the \$1.75. EP

* **Clouse, Gale E. Jr.**, "Navigation Charting - the DOD Connection - The Defense Mapping Agency is our charting source." The MAC Flyer March 1983 (Vol. XXX No. 3), pp. 8-11. The MAC Flyer is published by the Directorate of Safety, Military Airlift Command. It is available via The Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. ISSN 0024-788X.

Air Force Captain Gale Clouse is the Associate Editor of The MAC Flyer, and writes a basic description of aeronautical charts published by DMA, and how and when they are updated. "One of the newest chart series, oceanic planning charts (OPC), was first published in July 1982. It was developed specifically for MAC by DMAAC. OPC-1,2, and 3 charts cover North, Mid, and South Atlantic ocean areas, respectively. The charts portray selected radio aids, "fish points" (navigation reporting points identified by "fish" names), air defense identification zone (ADIZ) boundaries, and control area/flight information regions (CTA/FIRs). ... MAC is currently considering extending this chart series to the Pacific and Indian Oceans."

The MAC Flyer is available in Government Publications depository collections (D301.56:30/3). This article in the March 1983 issue is short and to the point. Anyone who has to face the choice of whether to acquire these DMA aeronautical charts (all the series: JOG Air, TPC, ONC, JNC-A, or the new OPC) would benefit from reading this description. LC

* In the March 1983 WAML Information Bulletin (14:2:161) EP itemized the Geothermal Gradient Map of the United States (exclusive of Alaska and Hawaii), by Andrea Kron and John Stix. 1982. 1:2,500,000.

Your Editor got a nice letter from Joy A. Ikelman, Scientist/NOAA, Mapping Division, at the National Geophysical and Solar-Terrestrial Data Center, Boulder, CO, expressing appreciation for the publicity given to this map but indicating that "some of the information in [the citation] was incorrect". That is true, since the only thing I had to work with was the map itself - received by our Government Publications depository section of the library - I reported what was available. I appreciate the added information:

The cost of the map is \$10 folded or \$12 flat per set (Eastern and Western U.S.). All inquiries should be directed to: National Geophysical Data Center, NOAA, Code E/GC1, 325 Broadway, Boulder, CO 80303 (telephone: 303/497-6125). Orders may be charged to an American Express card by including card account number, expiration date, and signature.

Interested parties may also want the publications/price list of Solid Earth Publications available from the National Geophysical Data Center and World Data Center A for Solid Earth Geophysics (March 1983 is the one in hand), which lists all of the Geothermal Resources [maps] of [various States], each at \$3.00 in USA, \$4.00 elsewhere. Also available is the Data Announcement

82-TGB-14 describing the Geothermal Resource Maps. All of WAML's area is covered by individual maps, in addition to other States. Data Announcement 83-TGB-06 gives information on Thermal Springs List for the United States (this list is known as Report KGRD 12, including Map 1, Map 2, and sample 1-degree overlay - available for \$4. This is a compilation of 1,702 thermal springs located in 23 States. It gives the location, name, temperature, name of corresponding USGS quad - listed by spring name or alpha by State.

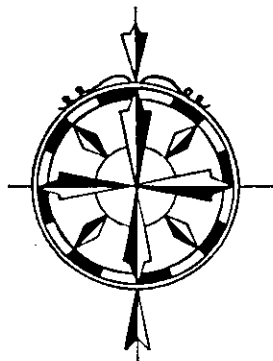
Three maps of geothermal interest are also available: (1) **Geothermal Energy Resources in the Western United States.** 1:2,500,000. 1977. \$3.00 (2) **Geothermal Energy in Alaska and Hawaii.** 1:5,000,000 (for Alaska); 1:500,000 (for Hawaii as inset). 1979. \$3.00 (3) **Geopressured-Geothermal Energy in Reservoir Fluids of the Northern Gulf of Mexico Basin.** 1:1,000,000. 1979. \$3.00

Significant Earthquakes 1900-1979 1:32,000,000 world map was published in 1980. It is available folded \$3.00 (\$4.00 out of US) or \$5.00 rolled (\$6.00 elsewhere). **Volcanoes of the World** 1:30,000,000 1978? is out of print.

The most recent map by NGDC is: **Seismicity of Middle America,** published by National Geophysical Data Center and National Earthquake Information Service, 1982. 1:8,000,000. Map produced by Wilbur Rinehart, Robert Ganse, and Patricia Teik, NGDC; Edourd Arnold and Carl Stover, USGS; and Ronald H. Smith, CIRES, University of Colorado/NOAA. The map's text cites "Significant Earthquakes 1900-1979" and provides references to literature. This map is not yet on the pricelist, but it is priced at \$10.00 folded and \$12.00 flat.

Readers are reminded that Nancy J. Pruett, in her column **Geological Perspective** (WAML Information Bulletin, Vol. 12, No. 1, November 1980, pp. 70-74) wrote about this agency's products with a list of the descriptive fliers issued by the agency. EP

###



A GEOLOGICAL PERSPECTIVE

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

by

Nancy J. Pruett

Technical Library 3144
Sandia National Laboratories
Albuquerque, New Mexico

A Final Geological Perspective...

In writing this column over the last three years, I've tried to ask myself: What do I know because of my background in geology and experience as a science librarian that a map librarian without that experience would find useful? The answers have led me to write about using GeoRef to search for citations to maps, about handling maps in geological libraries, and about geologic reference sources useful for working with maps. I've announced meetings of geoscience organizations such as the Second International Conference on Geological Information in Golden in May of 1982 (the Third will be in Adelaide, Australia, in 1986... start planning now!). I've pointed out some unusual products and information systems such as the Earthquake Data System of the National Geophysical and Solar Terrestrial Data Center. Of the ideas I had when I started, only one is left unfinished: I want to give you some idea of what's different about a geological map.

The geologic map is the end product of a chain of interpretations beginning with a field geologist looking at outcrops, using his or her knowledge of the relationships of the nearby rocks (as represented in the stratigraphic column that appears on the final published map) and his or her understanding of geology to interpret what's under the surface. The geologic map is both an essential working tool and the final end-product of the geologist's interpretation. It is an intellectual product in a way that a topographic map is not.

As John Noble Wilford said in his The Mapmakers, "Geologic mapping, like other mapping, is a way of conveying complex information in a graphic form. ... But, unlike topographers, who gather their information by direct observation and measurement, geologists have to go about their mapping in much less straightforward ways."

"Their methods are more subjective and interpretive. Rarely can geologists see their subject whole. Although the walls of the Grand Canyon, for example, are like a geologic cross-section map in full scale, in most places geologists cannot see the interior and must make educated inferences to arrive at such a map. ... Only after the many bits of information are put together on a map, each in its proper position, does the geologic whole begin to emerge in recognizable form. In other words, while the topographer can usually see the panorama first and then reconstruct it in map form, the geologist never sees the whole until he has mapped the many parts." (1981, Random House, p. 252).

The New Mexico Geological Society has recently published the New Mexico Highway Geologic Map (available for \$3.50 from: Publication Room, New Mexico Bureau of Mines and Minerals, Socorro, NM 87801, phone 505-835-5410). Although this map is similar to the excellent series of geologic highway maps published by American Association of Petroleum Geologists over the last 15 years, the New Mexico Highway Map is notable because of its excellent layout. For example, a color airphoto mosaic at the same scale as the map (1:1,000,000) is printed on the back of the map and designed in such a way that it will fold over so you can place the air photo over the geological map and look at the two simultaneously. With its cross sections, stratigraphic columns, and text on mineral resources and interpretation of the geologic map, it is an excellent example of the well-designed and concise intellectual product which a good geologic map should be.

With this column, I've completed what I felt I had to offer from the perspective of my background and experience, so this will be my last "Geological Perspective". I'll be turning my writing efforts to a book on the management of scientific and technical libraries (with a fat chapter on handling maps, of course!). I hope the "geological perspective" has been useful.

DUPLICATE GAZETTEERS - FREE FOR THE ASKING

Indochina: for AMS 1:250,000 maps of Indochina (L509). 1958.
 Manchuria: for AMS 1:250,000 maps of Manchuria (L542). 1955.

U.S. Board on Geographic Names gazetteers:

Antarctica, 1969. Chile, 1955. Ecuador, 1957. Germany - Soviet Zone and E. Berlin, 1959. Indonesia, et al, 1955 (2 vols.), Japan, 1955.

write: Map Section C-075P, University Library, University of California, San Diego, La Jolla, CA 92093.

Map Librarians Need to Beware of Requests for Pre-Payment

by

Stanley D. Stevens

Map Librarian
University Library
University of California-Santa Cruz

In January 1980, based on a publisher's blurb, I submitted an order request for the purchase of **Encyclopedic Gazetteer of the United States**. The publisher was identified as American Historical Publications, Inc., of Wilmington, Delaware. My library colleagues kindly authorized the placement of the order, which called for a discounted pre-publication price of \$97.50 if accompanied by pre-payment.

The publication sounded just right for answers to an entire range of questions we get in the Map Room, so I requested that the item be "Cat. as REF and locate in MAPS" - so I'd have it at my fingertips. What I now have at my fingertips (April 1983) is the original order, stamped "CANCELLED" "Phoney Publisher", and a note: "a Gille publisher - i.e., phoney. We prepaid \$97.50, Nothing can be done!"

Well, I was certainly taken in, but I'm not alone! I have obtained a six-page list, entitled "Publishing Imprints Believed to be Operated by Frank or Michael Gille". Moreover, according to the January 1981 issue of American Libraries [p. 7], "...U.S. Attorney James K. Robinson [said that] Gille sold works to more than 1,000 libraries and public institutions in the United States and Canada. After collecting the money, he [Gille] failed to furnish the books. The sets totaled 189 volumes; only seven have been distributed." There are recent reports that Frank Gille has published some additional volumes, and is offering restitution to some libraries in the form of volumes to match the dollars previously prepaid for works not published.

Apparently this type of publishing practice is known to law enforcement and consumer fraud officials, and the postal authorities as well. There have been more than one publisher accused of failing to publish books after collecting prepayments. A list which I have acquired is accompanied by the addresses and phone numbers of "Authorities who may be contacted to provide assistance" in California, and Michigan, i.e., the Attorneys General of those states, and the Postal Inspectors. I am

confident that there are others watched for this practice. According to the Bookdealer-Library Relations Committee of the American Library Association's Resources and Technical Services Division, "Federal regulations set stringent requirements for sellers of prepaid mail order merchandise, including publications. Briefly, the seller must: ship the material at the stated date of availability or notify the buyer of revised dates, explaining the reason for delay.... For a fuller explanation, consult the Code of Federal Regulations, vol. 16, 1977, parts 435; or the Federal Register, October 22, 1975 (pp. 49492-49494)...."

Frank H. Gille, operating with his son Michael under numerous imprints, was charged in a Federal Grand Jury indictment in 1980 with 21 counts of fraud for receiving money from persons, librarians, and institutions for encyclopedias and other reference works - most of which were never published. American Libraries, published by the American Library Association, has published reports about this fraud which indicate that "Frank H. Gille ... has collected some \$1.4 million from libraries for nonexistent encyclopedias since 1972...."

Frank Gille was scheduled to face trial in Federal District Court in Detroit on the 21 counts, but instead plead guilty to 2 counts of mail fraud. He was sentenced to two concurrent 15-month jail terms and fined \$2,000. [See American Libraries: Oct. '80, pp. 521-522; Jan. '81, pp. 7-8; Mar. '81, p. 119; Nov. '81, pp. 618 & 623.] Recent reports indicate that Michael Gille has been accused in Detroit of several counts of mail fraud.

According to these reports in American Libraries, Frank Gille "advertised such works as the World Encyclopedia of Black People, the Encyclopedia of Indians of the Americas, and the International Encyclopedia of Religion and Philosophy," [Oct '80] and the "Encyclopedia of Computers and Data Processing" [Mar '81]. Gille is accused of receiving \$4,000 prepaid by the University of Virginia/Charlottesville for 18 volumes of The Negro in Africa and America and 55 volumes of the International Dictionary of Artists. [Oct. '80, p. 521] "On September 12, [1980, ALA's] Executive Director Robert Wedgeworth announced that a 'cumulation of the National Union Catalog 1956-1977' advertised by Knowledge Resources, Inc., of Costa Mesa, Calif., has not been authorized by ALA, which holds the copyright to NUC entries contributed by key research libraries. Ads soliciting prepaid subscriptions for the 300-volume work found their way into July issues of Library Journal, Choice, and College & Research Libraries. The publisher: Michael Gille's Knowledge Resources, Inc., Costa Mesa, Calif." [Oct. '80]

According to the January 1981 [p. 7] issue of American Libraries, "Currently, Gille is in California working on the Encyclopedia of the United States." That sounds fairly close to the one we got burned on; i.e., Encyclopedic Gazetteer of the

United States.

Another title which caught my attention is **California Gazetteer**, advertised in a publisher's blurb from: American Historical Publications, Inc., 1300 Market Street, Wilmington, Delaware 19801. If you guessed: "another Gille imprint", you guessed right! The blurb is typical of the pattern identified by American Libraries, where the blurb advertises two prices: "Payment enclosed, \$27.50 (Publisher pays for shipping.) ; Invoice with shipment, \$35.00 (plus shipping cost)." Advertised on the same blurb, also at \$27.50 each, prepaid - with a date for "Completion, 1981-2" - are the following as part of the **State Gazetteer Series**: California, Florida, Georgia, Illinois, Indiana, Kentucky, Massachusetts, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Texas, Wisconsin. The blurb has a Bulk Rate mail frank, printed in the recto upper right corner of an 11" x 8.5" sheet folded to 5.5" x 8.5": "Bulk Rate U.S. Postage PAID Champion Printing Company".

My advice, based on my experience, is **Beware of Requests for Pre-Payment**. If the publisher is unknown to your Acquisitions Librarian, it would be wise to seek further evidence of the validity of the offer. There are legitimate dealers and publishers, of course, but a \$97.50 burn does hurt and my purpose is to warn others that prepayment can be risky! The Bookdealer-Library Relations Committee of The Resources and Technical Services Division, American Library Association, has issued warnings to be careful of the prepayment advertiser. In the November 1977 issue of American Libraries [p. 571-572], the Committee provides guidelines to follow in addressing this problem: "The Prepayment Dilemma: A consumer's Guide".

What can be done about Gille and other publishers who do not fulfill orders? Read "The Prepayment Dilemma", and follow the advice given there. The March 1981 issue of American Libraries reported that the RTSD's Board of Directors voted to recommend that ALA initiate a class action suit against Frank Gille and his son, because it was assumed that since Gille had not declared bankruptcy, losses could be recovered - or at least the legal fine imposed by the Federal Court if Gille was convicted could be distributed to those who suffered losses. However, the November 1981 issue of AL reports that "ALA decided not to sue on behalf of librarians and booksellers since Gille had no assets. However, Gille is still promoting his publications under a variety of imprints."

The Bookdealer-Library Relations Committee of RTSD is offering its continuously revised list of imprints used by the Gilles to anyone who writes: Executive Secretary, RTSD, American Library Association, 50 E. Huron St., Chicago, IL 60611.

Postal authorities, to whom evidence of alleged mail fraud

may be presented, are addressed as follows:

Postal Inspector in Charge
Los Angeles, CA 90030-1000

Postal Inspector in Charge
Detroit, MI 48232-3201

Although mail fraud is a federal crime and the prosecutions of the Gilles have taken place in Federal District Court in Detroit, Attorneys General of the following states also have information and are responsive to inquiries for assistance:

California: Mr. Hirschel Elkins, Office of the Attorney General, Dept. of Justice, 3580 Wilshire Blvd., Los Angeles, CA 90010, Phone: 213-736-2097; or, 800-952-5225 (Calif. only).

Michigan: Attorney General Frank Kelley, Law Building, 525 West Ottawa, Lansing, MI 48913, Phone: 217-373-1140.

Also, as a reminder, the American Library Association's Bookdealer-Library Relations Committee of RTSD is continuing its vigilance on the prepayment practice. One of the Committee's purposes is to prepare and make available guidelines of acceptable performance for libraries and book-dealers in connection with the purchasing and supplying of library materials. I acknowledge with thanks the assistance of Sara C. Heitshu, current Chair of the Committee, for directing me to information on this matter.

NEW CALIFORNIA REFERENCE WORKS

- * **Grants of land in California made by Spanish or Mexican Authorities.** Prepared by the Staff of the State Lands Commission. [Sacramento, State Lands Commission, 1982.] "...prepared by Cris Perez [Boundary Determination Officer, State Lands Commission]. vi (i.e., p. i) - x (i.e., p. v), 173 pp. 28 cm. maps, tables. Available by written request at no charge for occasional single copies. Roy Minnick, Supervisor, Boundary Investigation Unit, State Lands Commission 1807 13th Street, Sacramento, CA 95814.
- * Also available from the above address is **An Index to Historical Hydrographic and Topographic Charts of the California Coast, located in the files of the State Lands Commission,** prepared by the Staff of the California State Lands Commission, October 1979. v, 97 pp. 28 cm., index maps. [an Addendum, one loose sheet, has been issued in the interim before the next edition, probably Fall 1983.]

ATLAS & BOOK REVIEWS

edited by

Peter L. Stark

Map Librarian
University of Oregon
Eugene, OR 97403

Dicken, Samuel N. and Emily F. **Oregon Divided: A Regional Geography.** Portland, Oregon: Oregon Historical Society, 1982. xiii, 176 p. \$17.95 LC 80-84480. ISBN: 0-87595-082-5. Also available in paper.

This is Volume II of the publisher's series, "Two Centuries of Oregon Geography." The earlier volume by the Dickens' is The Making of Oregon: A Study in Historical Geography (Oregon Historical Society 1979. \$17.95 LC 79-89087. ISBN: 0-87595-081-7).

Oregon Divided is an effective concert of simple, clear text, well-selected maps, representative and magnificent aerial photographs, all in a pleasing format. Sandwiched between an introduction and a final brief chapter on the future of the state lies the heart of the work: the geography of Oregon through a discussion of its six geographic regions. With minor exceptions, the authors' geographic regions for Oregon coincide with recognized unit landform regions of the United States.

For each of the six geographic regions the text chapters feature the physical factors of the environment, soils, climate and landforms. Demographic factors, recreation, commerce and transportation are relegated to secondary importance. The relationships of tourism, education, water and power to the factors of climate and the land and those connections between the physical environment and Oregon's total agricultural economy are not stated.

This reviewer wishes that the otherwise excellent collection of photos had included one of the spectacular and distinctive circular irrigation quarter section patterns of Union and Umatilla counties. Also omitted are photographs of Oregon's corrutions of the landscapes: clear-cuts within the forests of the Cascades and mine tailings along the Powder River of Baker County.

The unity of impression given by the well-chosen illustrations as correlated with the simple text and design is the most remarkable point in favor of this publication. Coupled with the authors' earlier volume, The Making of Oregon, which has a more memorable text than the work in hand, this series makes an excellent introduction to the geography of Oregon for beginning students of geography as well as a source of information for the casual reader of Pacific Northwest material.

Edward P. Thatcher

Professor Emeritus
University of Oregon

Edgar, Neal L. and Wendy Yu Ma. Travel in Asia; a guide to information sources. (Vol. 6 in the Geography and Travel Information Guide Series). Detroit: Gale Research Co., 1983. 413p. \$42. LC 82-24271. ISBN: 0-8103-1470-3.

A review of volume two of this series, Burton's Travel in Oceania ... appeared in the March, 1981, WAML Information Bulletin (12:2, pp. 167-8), and most of the comments made there are applicable to this work. The coverage here is to twenty-four countries ranging from the Himalayan States and India to Japan and Mongolia. Included are almost 1,200 guidebooks, travel accounts, periodicals, atlases and maps, plus a few audiovisual materials. Entries include author, title, place of publication, publisher, date, number of pages, plus LC and ISBN numbers.

Selected are the kinds of materials which will help to prepare travelers. They are, for the most part, popular and non-academic publications. Relatively few of the atlas and map entries will add to the map librarian's knowledge (Rand McNally, Hammond, National Geographic, etc.), but they may be helpful to other library employees. Most items have been published in the last six years, but there are a few classics. Some 1982 publications have been placed in the addendum. The annotations are concise and appropriate.

The book begins with a chapter on general items (those covering more than a single country). The chapter on China intermixes PRC and Taiwan items and the Korea sections treats those two nations as one. As would be expected, there are few entries for Vietnam and other S.E. Asian nations where tourism is limited.

It is easy to suggest pertinent items which have been omitted, but overall this is a good and representative selection of materials available. The summary travel information which precedes each country needs more attention. To pick a nit: neither Pan American nor Garuda fly to Taiwan. Price remains the major drawback to this series: \$42 is simply too much to pay for a book produced from typescript with no illustrations.

Harold M. Otness

Acquisitions and Map Librarian
Southern Oregon State College
Ashland, Oregon 97520

Handbook of the Nations. 3rd ed. Detroit: Gale Research Company, 1983. xviii, 266 p. \$46.00. ISBN: 0-8103-1142-9. ISSN: 0194-3790.

This book is simply a reprint of the U.S. Central Intelligence Agency's World Factbook (Su Doc # Pr Ex 3.15:982, formerly titled The National Basic Intelligence Factbook) reformatted in a smaller type face between hard covers. Significantly, the eleven colorful fold-out maps included with the CIA's World Factbook are sadly missing from Gale's reprint, and all references to them in the text have been eliminated.

The value of the World Factbook as a reference tool cannot be seriously questioned. It is an extremely handy, although brief guide to the economy, government, land, people and communications of each political subdivision in the world today. What can be questioned is why a library should spend \$46.00 for Gale's reprint, Handbook of the Nations.

The World Factbook is available on GPO depository or can be purchased for \$13.00 (\$16.25 foreign) through the Superintendent of Documents. However, this title does not remain in stock very

long after release. As of this writing, GPO's Publications Reference File indicates that the 1982 edition is out of stock. The World Factbook is an annual publication coming out each summer, give or take a few months, and a library not fortunate enough to be a depository would be well advised to wait until the 1983 edition is ready for purchase. The best way to acquire the World Factbook is to establish a standing order with GPO. If you find you really cannot live without this title, you can still order the 1982 edition from the National Technical Information Service (PB 82-928028) for \$23.50 paper, \$4.50 microfiche.

All this is to point out that there are less costly alternatives to Gale's expensive reprint. Undoubtedly Gale could deliver much faster than GPO or NTIS and library acquisition departments would much rather receive invoices with the book in hand than handle an order marked "pre-pay". But knowledge and planning can save dollars in this age of shrinking library acquisition budgets.

Because the purchase of Handbook of the Nations is financially insupportable, it is not recommended. Acquire the real thing instead.

Peter L. Stark

Map Librarian
University of Oregon
Eugene, OR 97403

Kurian, George Thomas, ed. Geo-Data: the World Almanac Gazetteer. 1st edition. Detroit: Gale Research Company, 1983. 624 p. \$48.00. LC 82-20944. ISBN: 0-8103-0605-6.

Geo-Data will have an immediate appeal to all lovers of facts and figures. By opening the book to any page one can easily become entranced by the facts and numbers describing the physical and human landscapes of the world that fill its 624 pages. An analytical rather than serendipitous look at this reference book will reveal flaws. These should not be overlooked. But the work is so full of information essential in day-to-day reference work that it is difficult to deny the information contained in Geo-Data a place in a reference collection.

Geo-Data is arranged in four major parts: **Part 1**, United States; **Part 2**, World Countries, Cities and Administrative Divisions; **Part 3**, Geographical Gazetteer of the World; and, **Part 4**, Rankings.

Part 1, "United States", which accounts for the majority of the book's volume, provides concise and detailed information on all fifty states, all 3,142 counties, and 2,492 cities and towns with populations over 10,000. As many as 30 information categories are provided for cities and 19 categories for counties, yet rarely are all categories of information supplied for each entry. This fact leads to an uneven appearance to this section. The information provided in city and county entries includes date of founding, population data (rank, density, growth rate, migration, percent female, percent over 65 and under 18), financial data such as property tax, per capita income, bond ratings, etc., major newspapers, nicknames, police, weather data and several others.

Similar yet abbreviated demographic and geographic data are provided in **Part 2** for countries, cities and administrative divisions of the world. Much of this information seems to have been gleaned from the Central Intelligence Agency's World Factbook or the State Department's Background Notes but this listing of each country's administrative division with its area in square miles and its capital is very useful.

Part 3, "Geographical Gazetteer of the World", is divided into ten sections giving information on the physical characteristics of the world, its oceans, continents, seas, gulfs, lakes, rivers, islands, mountains, and mountain passes. "Rankings", or **Part 4**, compares these physical features of the earth as well as ranking cities and countries of the world by area and population. An index is included in the book's final pages.

Part 1, section 1, "U.S. Cities and Towns", causes the most problems for this reviewer and prevents a whole-hearted embrace of **Geo-Data**. Carrying a 1983 imprint as this book does, one would think population would be supplied from the 1980 census. Unfortunately, population figures are no more recent than 1975. Per capita income is based on figures dated 1977, rather ridiculous when we consider the inflation since that time. Further down the list of information categories we find population growth 1970-1975, growth rate in income 1969-1977, and municipal revenues and expenditures 1976-1977. One wonders about the currency of the bond ratings, assessed valuation, families below the poverty line and even land area in square miles where no date to the data is assigned. In section 2, county population figures

are of 1977 vintage, public school enrollment 1975, bank deposits 1976, and others from the middle or late 1970s. How useful can this information be in 1983?

Otherwise the book becomes more current as you go on through the sections on the states of the union, world countries and excellent gazetteer and rankings section.

Geo-Data is recommended for those libraries lacking Victor Showers' superb The World in Figures (Wiley-Interscience, 1973). Be prepared to rely on such works as the Statistical Abstract of the United States and the County and City Data Book for more up-to-date information on this country's cities and counties. If you have all three of these reference works with the World Factbook close at hand, **Geo-Data** will have limited value.

Susan Trevitt-Clark

Map Library
University of Oregon
Eugene, OR 97403

DUPLICATE QUADS AVAILABLE

Brigham Young University Map Collection has recently acquired the U.S.G.S. historic map file on microfilm and is now planning to withdraw all the superceded quads which are now on that microfilm file. BYU is offering those superceded quads on a state by state basis to other institutions. If interested, please contact:

Riley Moffat, Map Librarian, 1354 HBLL, Brigham Young University, Provo, Utah 84602, and indicate which states you would like to receive and enclose some mailing labels.

POSTAL GUIDES AS GAZETTEERS

by

Riley Moffat

Map Librarian
Brigham Young University
Provo, Utah

In searching for obsolete place names don't give up until you have searched available postal guides. Approximately eighty-percent of the post offices established or authorized by the U.S. Post Office Department are now discontinued. Most of these defunct post offices served small villages or rural localities. Unlike a stream, hill or other physical feature, perhaps no record of its existence will be found on a map. Most postal guides include the county the post office operated in, any name changes, and more importantly, the dates of operation. This will tell the patron when the place flourished or was inhabited. Post office buffs and philatelists use postal guides to help determine cover values and for historical interest. Map librarians should consider them prime sources for locating obsolete or historical place names.

Index to Citations

Alaska : see Ricks	Nevada : see Frickstad; & Harris
Arizona : see Theobald	New Mexico : see Dike; & Helbock
California : see Salley	New York : see Petri
Canada : see <u>Bullinger's</u>	Ohio : see Gallagher
Colorado : see Bauer; & Dike	Oregon : see Landis
Connecticut : see Patera	Pennsylvania : see Kay
Idaho : see Landis	Rhode Island : see Gallagher
Indiana : see Baker	South Dakota : see Phillips
Iowa : see Ramsey	United States : see Bowen;
Kansas : see Baughman	& <u>Bullinger's</u> ;
Kentucky : see Atkins	& U.S. Post Office Dept.
Maine : see Dow	Utah : see Gallagher; & Gruber
Michigan : see Hennig	Washington : see Landis
Minnesota : see Patera	Wyoming : see Gallagher
Mississippi : see Oakley	

Atkins, Alan T. Postmarked Kentucky: A Postal History of the Commonwealth of Kentucky from 1792 to 1900. Crete (Nebraska), J-B Publishing Co., 1975.

Baker, J. David. The Postal History of Indiana. Louisville (Kentucky), Leonard H. Hartman, 1976.

Bauer, William H. The Postal History of Colorado. Crete (Nebraska), J-B Publishing Co., 1971.

Baughman, Robert W. Kansas Post Offices, 1828-1961. Topeka (Kansas), Kansas State Historical Society, 1961. 2nd ed. 1977.

Bowen, Eli. The United States Post-Office Guide. Salem (New Hampshire), Arno, 1976 reprint of 1851 ed.

Bullinger's Postal and Shippers Guide for the United States and Canada. Westwood, (New Jersey), Bullinger's Guides, annual.

Dike, S. H. The Territorial Post Offices of Colorado. n.p. 1957.

Dike, Sheldon Holland. "The Territorial Post Offices of New Mexico". New Mexico Historical Review. Oct. 1958-Oct. 1959.

Dow, Sterling T. Maine Postal History. Lawrence (Massachusetts), Quarterman, 1976.

Frickstad, Walter Nettleton. A Century of Nevada Post Offices 1852-1957. Oakland (California), Pacific Rotoprinting, 1958.

Gallagher, John S. and Alan H. Patera. The Post Offices of Ohio. Burtonsville (Maryland), The Depot, 1979.

Gallagher, John S. The Post Offices of Rhode Island. Burtonsville (Maryland), The Depot, 1977.

Gallagher, John S. The Post Offices of Utah. Burtonsville (Maryland), The Depot, 1977.

Gallagher, John S. and Alan H. Patera. Wyoming Post Offices, 1850-1980. Burtonsville (Maryland), The Depot, 1980.

Gruber, Ted. Postal History of Utah 1849-1976. Crete (Nebraska), J-B Publishing, 1978.

Harris, Robert P. Nevada Postal History, 1861 to 1972. Las Vegas (Nevada), Nevada Publications, 1973.

Helbock, Richard W. Post Offices of New Mexico. Burtonsville (Maryland), The Depot, 1982.

Hennig, Marciana. Post Offices of Michigan. Hastings (Michigan), Hastings Commercial Printers, 1976.

Kay, John L. and Chester M. Smith, Jr. Pennsylvania Postal History. Lawrence (Massachusetts), Quarterman Publications, 1976.

Landis, Robert L. Post Offices of Oregon, Washington, and Idaho. Portland (Oregon), Patrick Press, 1969.

Oakley, Bruce C. A Postal History of Mississippi Stampless Period 1799-1860. Baldwin (Mississippi), Magnolia Publishers, 1969.

Patera, Alan H. The Post Offices of Connecticut. Burtonsville (Maryland), The Depot, 1977.

Patera, Alan H. and John S. Gallagher. The Post Offices of Minnesota. Burtonsville (Maryland), The Depot, 1978.

Petri, Pitt. The Postal History of Western New York. Buffalo (New York), 1960.

Phillips, George H. The Post Offices of South Dakota. Crete (Nebraska), J-B Publishing Co., 1975.

Ramsey, Guy Ree. Postmarked Iowa: A List of Discontinued and Renamed Post Offices. Crete (Nebraska), J-B Publishing Co., 1976.

Ricks, Melvin Byron. Directory of Alaska Post Offices and Postmasters. Ketchikan (Alaska), Tongass Pub. Co., 1965.

Salley, Harold E. History of California Post Offices 1849-1976. Burtonsville (Maryland), The Depot, 1977.

Theobald, John and Lillian. Arizona Territory: Post Offices & Postmasters. Phoenix (Arizona), Arizona Historical Foundation, 1961.

U.S. Post Office Department. Directory of Post Offices. Washington (District of Columbia), GPO, annual. (Earlier titles: United States Official Postal Guide, Table of Post Offices in the United States) (See also Official Register of the United States).

#####

SWITZERLAND'S ATLAS SIEGFRIED
A Study of its History

by

Ronald Whistance-Smith

Curator
The University Map Collection
Department of Geography
The University of Alberta
Edmonton, Canada

Recent work with a variety of unindexed 1:25,000 scale topographic maps of Switzerland published between 1894 and 1942 led me to try to discover what indexes had been prepared by what agencies to allow order to be brought to these series.

Description of the Sheets

The bulk of our holdings consist of sheets published by the Service topographique federal/Eidgenossische Landestopographie, or Eidgenossisch topographische Bureau. These sheets have a printed surface measuring 30.25 cm x 41.3 cm with the mapped area, 6000m x 9000m, floated within the neatlines. In the upper right corner, within the neatline, is a sheet diagram showing a 3 x 3 sheet block with the sheet-in-hand shaded at the centre. Outside the border is the sheet number; e.g., Blatt 172. In the upper left corner inside the neatline is a diagram showing boundaries of surveys, year of survey and surveyor's names. Outside the border is a description of sheet location by sector; e.g., Section 7e, BLVIII. The sheet name is placed centrally, outside the border at the top of the sheet. In the lower left corner, within the neatlines is a revision diagram showing limits and dates of revised survey and the surveyor's names. Outside the lower border their appears: on the left side, a statement of the publisher, original year of publication, and years of other editions; the centre portion is occupied by a scale line representing 5000m, 4000m to the right of 0 and 1000m, subdivided in 100m segments to the left of 0; on the right is the name of the draftsman and the statement of the printer and place of printing (see fig. 1). No series title is present. Most sheets are in German, but a few are in Italian.

History of the Series

The series was first conceived by General Dufour and it appears that his original topographic survey was compiled at 1:25,000 and reduced to form the 1:100,000 series which bears his name. On the 23rd of December, 1868, the Federal Council approved the publication of the original sheets and Colonel Siegfried was given charge of the project, or Eidg. Landestopographie (Karten-katalog, 1955). The first twelve sheets were issued in 1870 and at its full extent there were 462 sheets at 1:25,000 and 142 sheets at 1:50,000. The contour interval on the 1:25,000 sheets is 10m while on the 1:50,000 sheets it is 30m.

These facts were discovered by locating a 1955 edition of the agency's Karten katalog/Catalogue de cartes No. 24. This catalogue contains a history of the topographic series beginning with the 1:100,000 scale series of 25 sheets begun in 1882 and known as Carte Dufour. [A complete set of these maps is held by the University of Alberta Map Collection.]

This history points out that there is both an 'official' title and a 'popular' title for the series. The 'official' title is Atlas topographique de la Suisse. It is more commonly referred to as Atlas Siegfried and an individual sheet is therefore referred to as "la 'carte Siegfried'" in the same way that the earlier maps were Cartes Dufour [...named for Col. Siegfried, successor to General Dufour]. It is also noted that sheets in this series are to be published at 1:25,000 and 1:50,000. Two indexes referring to 'Carte Siegfried' are included in the above catalogue, plus one index showing sheet lines of the 'Atlas Siegfried'. The latter shows that the 1:25,000 sheets cover roughly the northern half of the country with eleven sheets designated in the extreme southern extension, in the lake region, south and west of Lugano (fig. 2).

Of the former two indexes, one shows irregularly arranged, large format sheets, each of which includes the better part of nine 'atlas' sheets. [By irregularly arranged, the author means that sheets are not set out contiguously. Many, in fact, overlap other sheets.] All of these twenty-five sheets lie within the area designated for publication of 'atlas' sheets at the scale of 1:25,000. The areas covered are mainly forests, urban centres, and tourist areas.

The second of these two indexes shows twenty-seven irregularly arranged sheets at a scale of 1:50,000. These sheets lie mostly outside the area designated for the 1:25,000 scale sheets. This places them all within the Alpine regions of the South and East.

Comparison of sheets to Indexes

With this information, the maps listed under series at a scale of 1:50,000 were compared to the index. Eleven sheets were found to have the same format as the 1:25,000 scale sheets described above. Sheet numbers seemed to be continuous with the 1:25,000 scale sheets, but because of the scale difference this did not seem to make sense. Nor could the sheet numbers be fitted to those shown on the 1:50,000 Carte Siegfried index.

The issue was dropped there for a while, but later research turned up an index issued in 1877 bearing the title, in the upper left corner: Uebersicht der Blaetter des topographischen Atlas der Schweiz im Mafsstab der Originalaufnahmen (fig. 3). This index shows clearly how the country was to be divided between the two scales.

Comparison of this index with that contained within the 1955 catalogue showing only 1:25,000 sheets reveals that through time some sheet numbers in border regions were altered since sheets not projected in the original design were added and at least one 1:50,000 scale sheet was issued for an area in the extreme south projected to have only 1:25,000 scale sheets. In this case, at least one 1:25,000 scale sheet was also issued for the same area.

German series compared

Having settled the earlier problem, attention focused on other series at 1:25,000. The first of these series examined was Schwiez: Deutsche Heereskarte, published in Berlin from 1941 - 1944, by Generalstaabs des Heeres, Kriegskarten und Vermessungswesens.

These sheets have a printed surface measuring ca. 50.5 cm x 72.3 cm. A new scale line, compilation diagram, and political unit diagram have been substituted. A legend, absent from the Swiss sheets, has been added. Reproduction is in black and white

and borders and neatlines have been drawn right to the edge of the mapped area. In the Swiss sheets, all mapping ceased at the border of the country. With the greater German view of Europe this was not acceptable and blank areas were 'filled' with photographic enlargements of portions of adjacent 1:75,000 scale sheets (fig. 4). The new sheets were composed either of four sheets of the 1:25,000 Swiss series (pieced together in a 2 x 2 matrix), or a single 1:50,000 Swiss sheet photographically enlarged to 1:25,000 and reprinted. New sheet numbers were then assigned to the series (fig. 5).

U.S. Army Map Service series

The University of Alberta Map Collection also contains two sheets of AMS M895 (GSGS 4732). These sheets, published in 1952, have also been created from sheets of the 'Siegfried Atlas'. Each sheet is comprised of two Swiss sheets adjoining in a North-South direction. This series is printed in brown with blue being used for the UTM Grid, associated text and magnetic information. A legend and glossary have been added in brown and a scale in miles, yards and meters has been substituted for the original. A separate numbering system has been used. This system hasn't been elaborated upon yet, the author would appreciate hearing from anyone who has a copy of an index for this series.

New Swiss series

Finally, it appears that just as the Geographical Section, General Staff, and the U.S. Army Map Service were preparing their map series, the Swiss government was hard at work on a new series - which so many of us hold in such high regard. The first sheets of the new series appear to have been issued in 1952, bringing down the curtain on Siegfried's ideal.

Illustrations

Fig. 1: Blatt 172, "Reinach" @ 1:25,000 (1887 w/rev. to 1942)

Fig. 2: Tableau d'ensemble No. 1, Atlas topographique de la Suisse 1:25000, Atlas Siegfried, Feuilles originales

Fig. 3: Uebersicht der Blaetter...Atlas der Schweiz

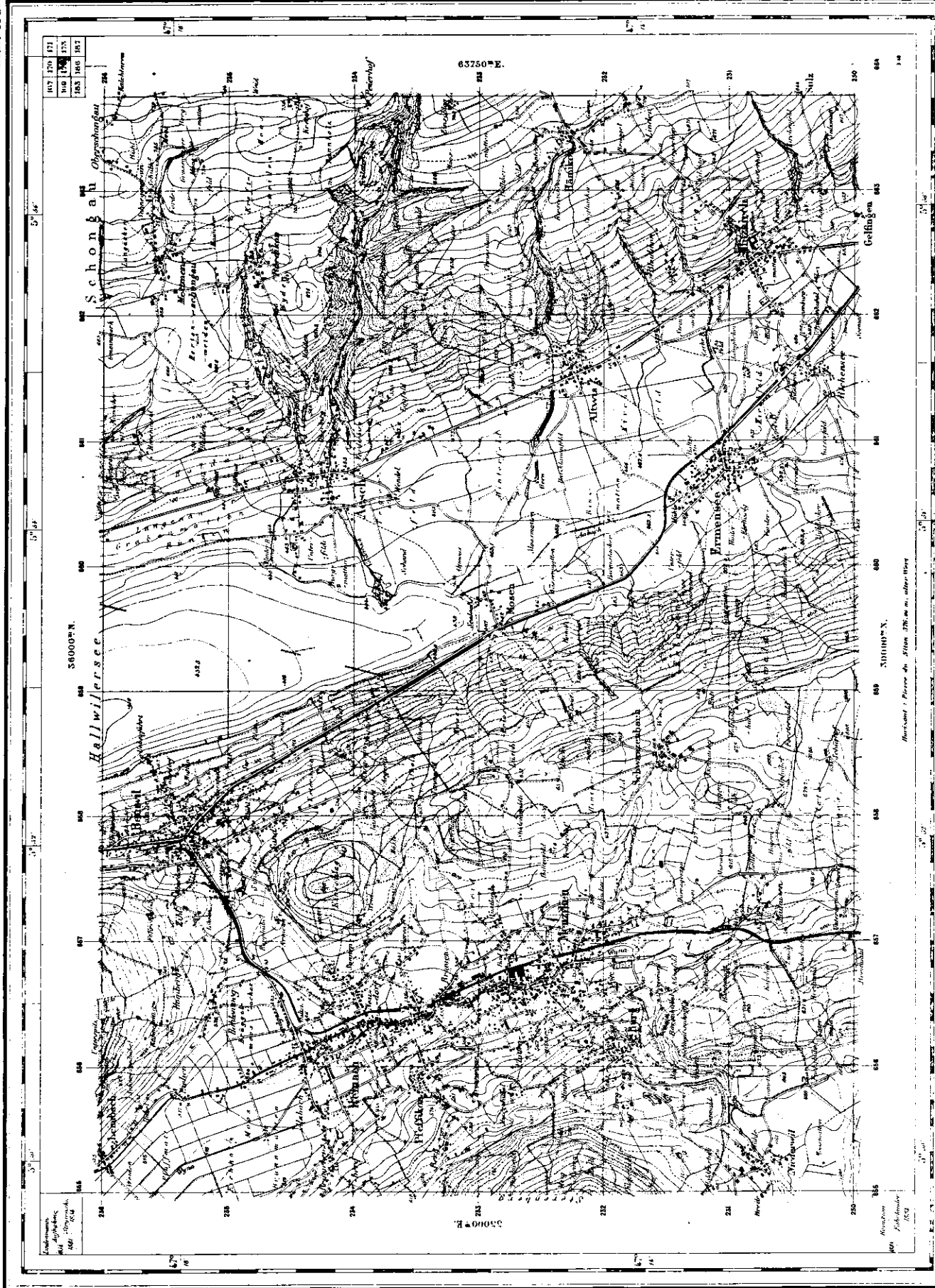
Fig. 4: Southeast portion of sheet 53, enlarged to display the use of topographic information from another source.

Fig. 5: Index for Atlas Siegfried, created as a result of this research, displaying new sheet numbers assigned to the series.

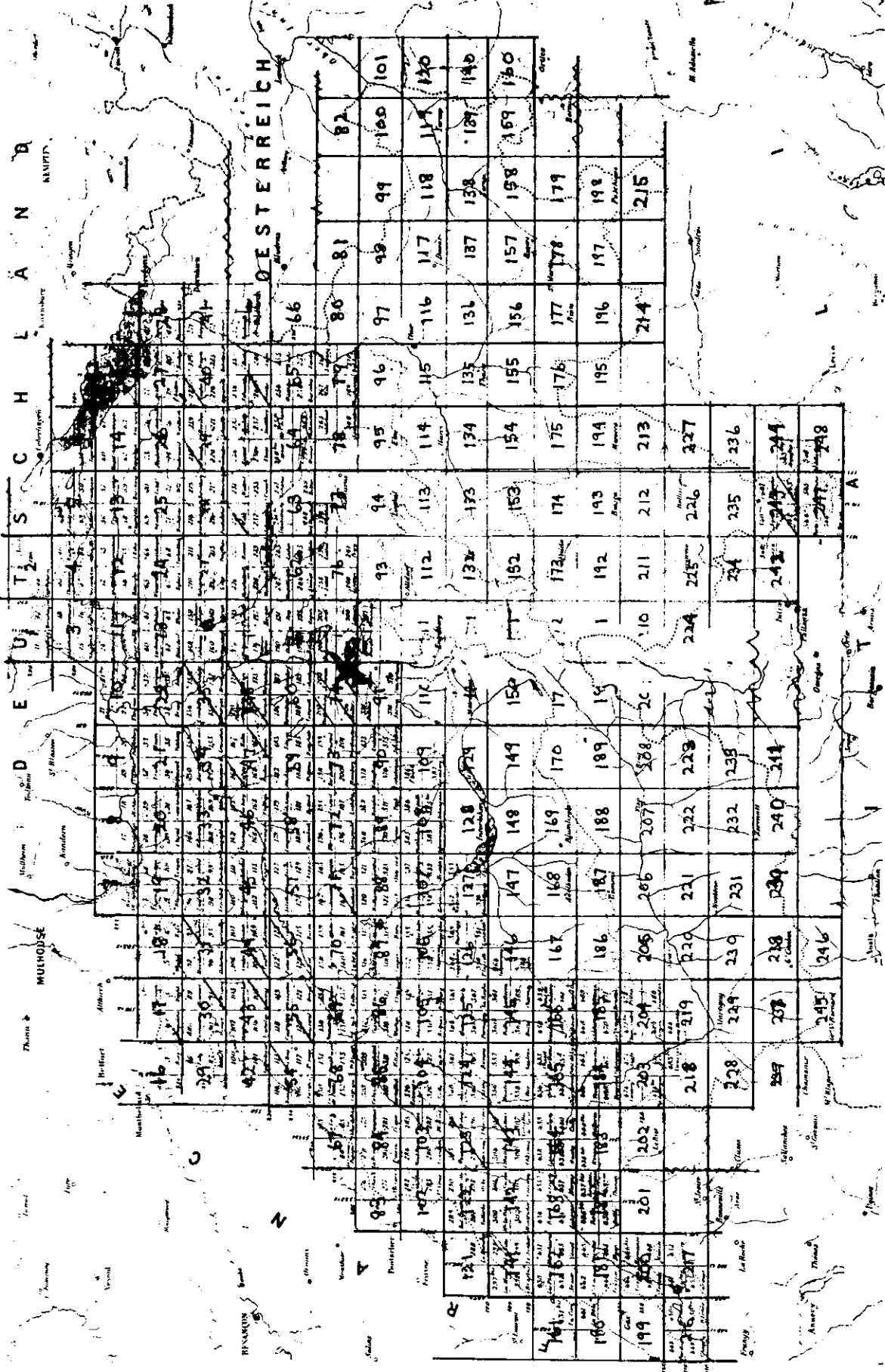
REINYACH

Section 7 c, B.M.V.H.

Blatt 172.



Reinyach
 Fimmensee
 Helliwilersee
 1:25,000
 1" = 250 Meter
 1 Kilometer
 5
 10
 15
 20
 25
 30
 35
 40
 45
 50
 55
 60
 65
 70
 75
 80
 85
 90
 95
 100
 105
 110
 115
 120
 125
 130
 135
 140
 145
 150
 155
 160
 165
 170
 175
 180
 185
 190
 195
 200
 205
 210
 215
 220
 225
 230
 235
 240
 245
 250
 255
 260
 265
 270
 275
 280
 285
 290
 295
 300
 305
 310
 315
 320
 325
 330
 335
 340
 345
 350
 355
 360
 365
 370
 375
 380
 385
 390
 395
 400
 405
 410
 415
 420
 425
 430
 435
 440
 445
 450
 455
 460
 465
 470
 475
 480
 485
 490
 495
 500
 505
 510
 515
 520
 525
 530
 535
 540
 545
 550
 555
 560
 565
 570
 575
 580
 585
 590
 595
 600
 605
 610
 615
 620
 625
 630
 635
 640
 645
 650
 655
 660
 665
 670
 675
 680
 685
 690
 695
 700
 705
 710
 715
 720
 725
 730
 735
 740
 745
 750
 755
 760
 765
 770
 775
 780
 785
 790
 795
 800
 805
 810
 815
 820
 825
 830
 835
 840
 845
 850
 855
 860
 865
 870
 875
 880
 885
 890
 895
 900
 905
 910
 915
 920
 925
 930
 935
 940
 945
 950
 955
 960
 965
 970
 975
 980
 985
 990
 995
 1000



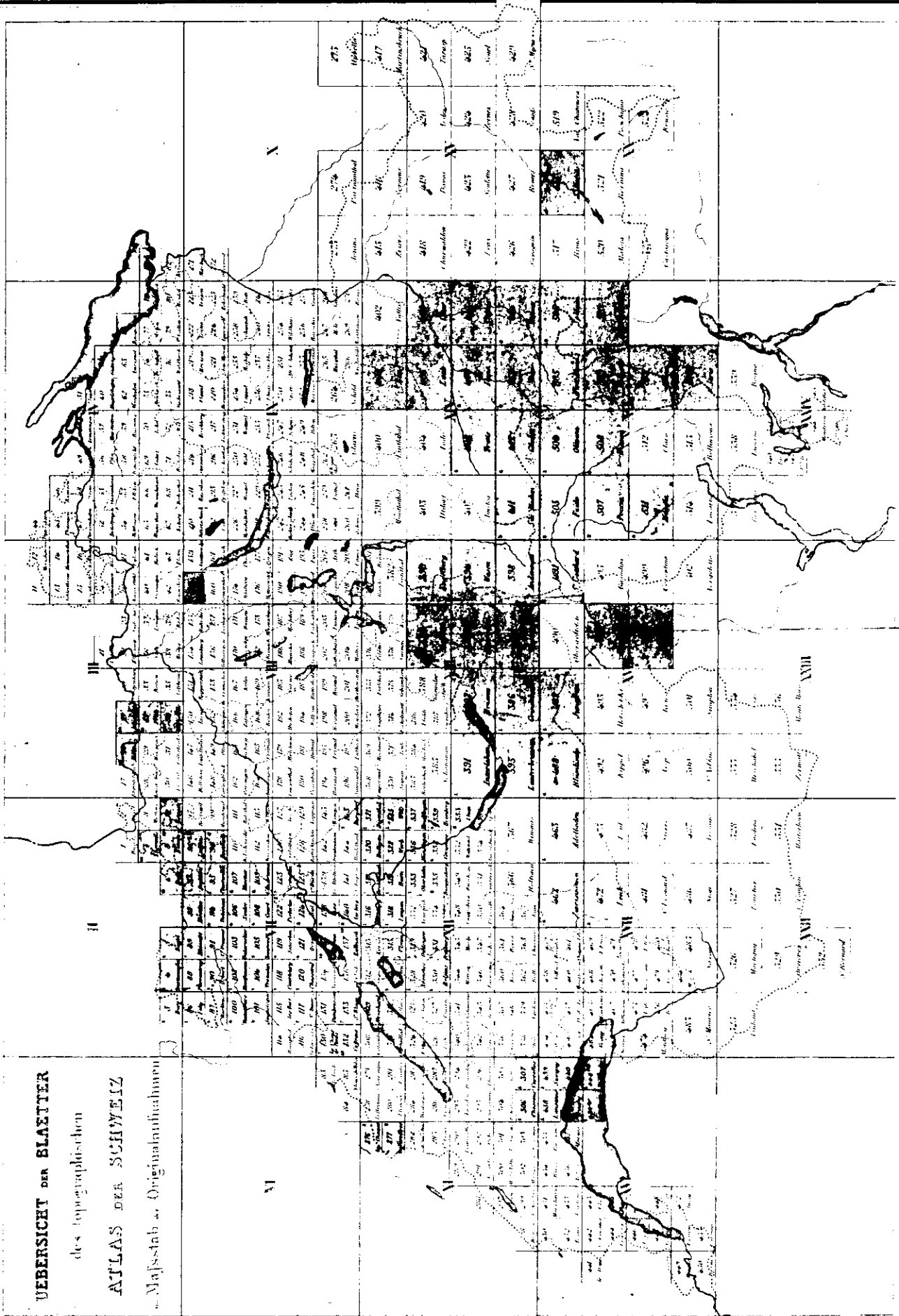
I. bis 10. Lieferung.

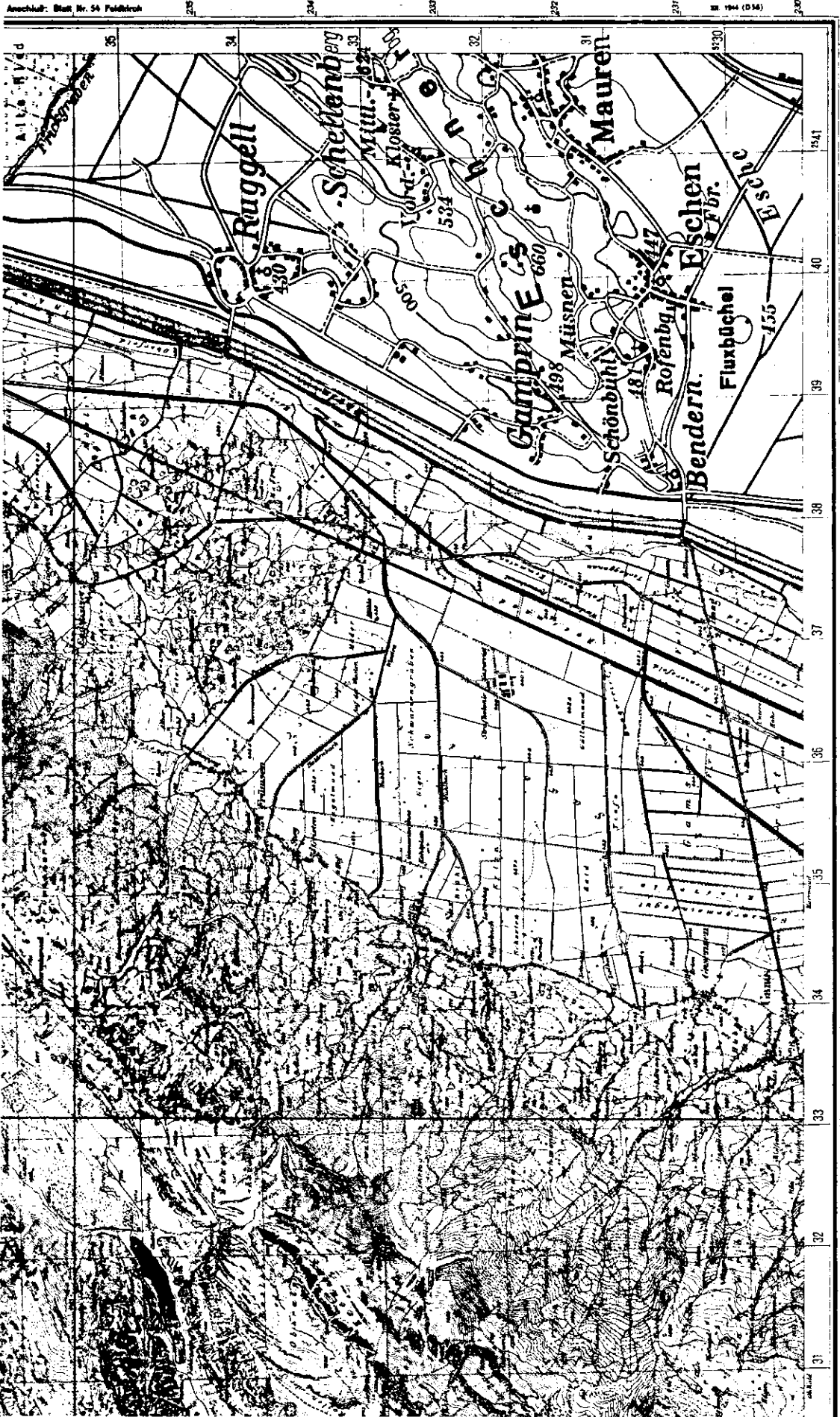
UEBERSICHT DER BLÄTTER

des topographischen

ATLAS DER SCHWEIZ

Maßstab 1:100,000 Originalaufnahmen





Anschluß: Blatt Nr. 54 Feldkirch

1:250 000 (D54)

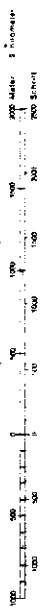
749 750 753 754 755 756 757 758 759 760

759 758 757 756 755 754 753 752 751 750 749

36 37 38 39 40

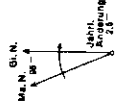
35 34 33 32 31 30

Maßstab 1:250000
(1 cm = 1 Kilometer)



Herausgegeben vom OKH/GensdJH
Chef des Kriegskarten- und Vermessungswesens
1941

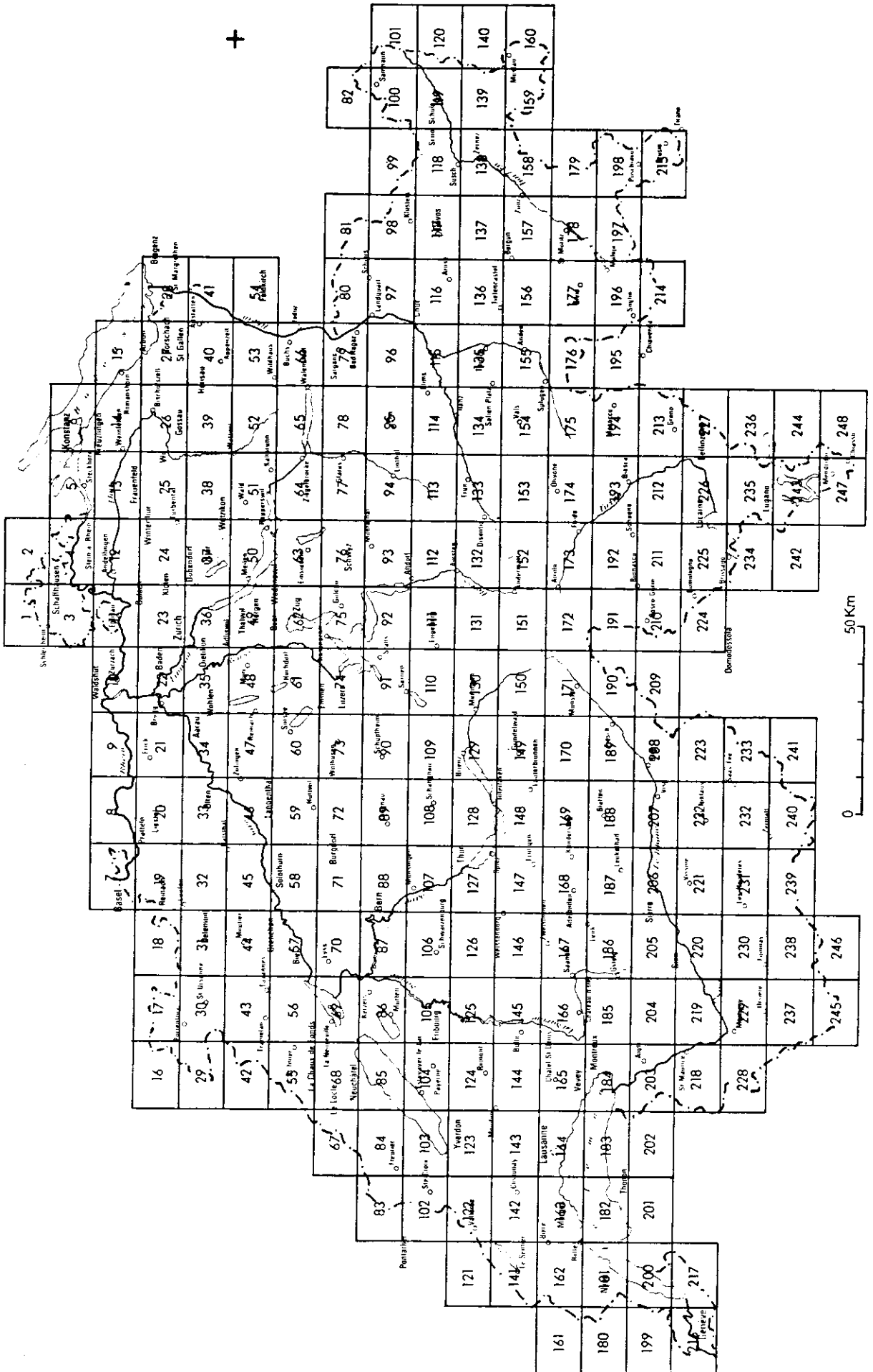
Redabweichung für Mitte 1944
Für die Mitte des Blattes beträgt die Redabweichung gegen
das Deutsche Hauptgitter, Ausgangsmittelpunkt 9° ostw. Grenzweich
30° westlich
Jährliche etwaige Änderung 2,6"



Umeichungsgröße für Such k. Neuplatz

Suchweite	Suchhöhe
1 - 0,24	10 - 1000
2 - 0,48	20 - 2000
3 - 0,72	30 - 3000
4 - 0,96	40 - 4000
5 - 1,20	50 - 5000
6 - 1,44	60 - 6000
7 - 1,68	70 - 7000
8 - 1,92	80 - 8000
9 - 2,16	90 - 9000
10 - 2,40	100 - 10000
11 - 2,64	110 - 11000
12 - 2,88	120 - 12000
13 - 3,12	130 - 13000
14 - 3,36	140 - 14000
15 - 3,60	150 - 15000
16 - 3,84	160 - 16000
17 - 4,08	170 - 17000
18 - 4,32	180 - 18000
19 - 4,56	190 - 19000
20 - 4,80	200 - 20000

Die Umzeichnung ist nach dem neuesten Stand der Luftaufnahmen (1944) durchgeführt. Die Höhen sind nach dem Deutschen Hauptgitter (D.H.G.) an der Nulllinie des Mittelmeeres (M.S.M.) gemessen. Die Höhen sind in Metern angegeben. Die Höhen sind in Metern angegeben. Die Höhen sind in Metern angegeben.



0 50 Km

REMOTE SENSING NEWS

by

Jo Anna Moore

Map & Imagery Laboratory
Library, University of California
Santa Barbara, CA 93106

IMAGERY & MAPS: COMPLEMENTARY INFORMATION SOURCES

A map is an abstract of reality. It is the product of the cartographer's representing the world in simplified form by selecting what is to be shown on a piece of paper. Maps are usually commissioned for a specific purpose requiring the cartographer to select only that data which conforms to the particular specifications. He must also take into account the amount of data which will be visually acceptable on the finished product. Part of the accuracy of the map is dependent upon the mapmaker's decisions regarding what information is to be recorded and what is to be neglected.

An image or air photo is a more complete representation of reality. Data gathered by imaging systems, whether a camera or scanner, have an objectivity unavailable in any secondary product, such as a map or book, in which the data has first been interpreted by man. Within their technical specifications, remote sensors collect data indiscriminately rather than selectively. They make a permanent record which can be examined by researchers who are not at the study site. This record can even be reexamined in the future without any loss of data over time. Remote sensing products, once acquired, become historical documentation of conditions that existed at a certain location and time.

For branches of inquiry needing information about the earth's surface, remotely sensed imagery is a means of research not fully utilized by people in the information business. Imagery provides information in context and with a detail and completeness not usually available on conventional maps. It is a means of

collecting large amounts of information with economy and precision at a speed unmatched by ground surveys. The photos remain available through a study and beyond for future reference so that suspected sources of error or unexpected phenomena can be readily checked and rechecked. The entire field survey does not have to be duplicated to perform these counterbalances.

Remote sensing transcends the cultural and political boundaries within which much of the current resource data need to be collected. It also bridges disciplinary boundaries. It is so broad that no one discipline can claim ownership of the field. Important contributions are made to, and benefits derived from, remote sensing by scientists in both basic research and applied operations. Remote sensing has revolutionized the understanding and activities in cartography, geology, geophysics, land use analysis, agriculture, hydrology and water resource management, forestry, environmental monitoring, rangeland management, natural hazard investigations, and urban planning, to name but a few areas.

Remote sensing is a tool best applied in concert with others. It usually is not an end in itself. Most earth resource problems entail the need for combinations of terrestrial, aerial, and space data acquired in various formats and/or by various observation methods. Successful resource management and environmental monitoring require a systems approach to integration of remotely sensed observations with geobased observations. Integration of remotely sensed data with other types of data is often necessary to obtain a complete analysis of an area or solution to the researcher's problem. Correlation of other data such as soils, geology, topography, climate, and land use is often necessary. The data analyst must blend all data necessary, from whatever sources available to obtain the optimum result. The Map Library provides the ideal environment for the merging of remotely sensed products with these other information sources. For more information on combining imagery and maps in a library, please refer to the following articles by Larry G. Carver: "Design for combining a map room with a remote sensing / cartographic laboratory" (WAML Information Bulletin, 10:3:216-226, ill. J '79; and "Remotely sensed imagery in a research map library" (ACML Bulletin Number 44 / September 1982, pp. 22-28).

LANDSAT DATA NOW AVAILABLE ON FLOPPY DISK

Landsat multispectral scanner digital products are now available on 8-inch floppy disks. Because of the increased use of microcomputers along with the availability and lower costs of floppy disks, EROS decided to provide their users the alternative of requesting MSS digital data on this medium. The ground area

represented on one disk is significantly smaller than that contained on a standard computer compatible tape. Therefore, before ordering, users must select a specific subscene area representing approximately a 7.5 minute quad, from the full MSS scene. All four spectral bands on the subscene will be provided in a band - interleaved - by - pixel format (BIP) in a form readable by CP/M compatible microprocessor operating systems. The Landsat floppy disk products are single - sided, single density, CP/M compatible, 8-inch flexible diskettes equivalent to IBM Part No. 2305830. The following formatting specifications apply:

Density: 3200 bits per inch
Type Sector: Soft sector
Bytes per Sector: 128
No. Sectors/Track: 26
No. Tracks: 77
No. Sides: 1

Two types of Landsat MSS data are available on floppy disk, each distinguished by the relative geometric accuracy of the image data provided. One is a system corrected data product and the other is a precision corrected product. These are available only for Landsat MSS scenes acquired after February 1, 1979. The system corrected data product is of lower geometric than the precision correct product. However, it's accuracy is comparable to that of standard CCT products. The cost of a system corrected floppy disk is \$100 for the first disk. Extra copies of each disk ordered at this time are \$30. Single-band 1:1,000,000, B & W full scenc\$ prints of the Landsat image\$ are also available for \$30. The transparent grid used for identifying the data matrix is available for \$10.

The precision corrected data product is one that has been resampled to a 2-arc-second pixel format and that can be geographically referenced to a U. S. Geological Survey 7.5-minute quad. Because of the stringent ground control requirements needed for the resampling, this option is available only for certia\$ scenes. Precision corrected products are \$600.00 for the first disk and \$30 for each duplicate ordered at the same time. Any subsequent orders for precision corrected disks produced from these archived data will cost \$100 for the first disk and \$30 for each additional disk purchased at the same time.

Three sets of sample data, all precision corrected, are available on floppy disk for users who wish to assess their hardware capability before ordering special, and more expensive, products. These are of the Black Hills, South Dakota; St. Paul, Minnesota; and Albany, New York. They are available for \$30. each.

LANDSAT-4 WRS INDEX MAP AVAILABLE NOW FOR U. S.

A new Worldwide Reference System Index Map showing the path-row points for the Landsat-4 satellite has just recently been made available from the NOAA Landsat Customer Services at EROS Data Center. This map shows the adjusted pathlines for Landsat-4 necessitated by its altitude being lower than Landsats 1, 2, & 3. This index map measures 46cm by 54cm and has the U. S. WRS index for Landsats 1, 2, & 3 on its reverse. The map may be obtained from EROS Data Center, free of charge, while quantities last. Although this map indicates only the path/row intersects for Landsat-4's daytime imaging, it is the only publication available to the general public at this time which easily indicates these necessary points. Maps showing the path/row intersect designations for the nighttime images taken by the Thematic Mapper's thermal band 6 are not yet available for distribution.

LANDSAT-4 THEMATIC MAPPER
MANUAL INVENTORY LISTING AND ACCESSION SLIDES

The initial Thematic Mapper data being processed at EROS Data Center will not be currently available in their computerized imagery database due to data processing limitations. Until July 1983, EROS is making Thematic Mapper data available through a manual listing system and the production of Accession Slides.

An Accession Slide will be made for each TM scene. Color slides will be produced from the false color composite of bands 1, 3, 4 for daytime scenes. Black and white slides will be made from band 6, Thermal IR, for the night scenes. These slides will serve the same purpose as the 16mm microfilm browse files do for multispectral images. They will portray the area of coverage, general quality, and location of cloud cover. Each slide will have an accession number in the film margin; the scene ID will appear in the data area on the image. The accession number corresponds to the Inventory Listing which includes additional support information (path, row; date; cloud cover; film qualities; CCT availability; scene ID; and availability of slide format). All Thematic Mapper products ordered at this time must include the Accession Number listed on both the Accession Slide and the Inventory Listing.

The Inventory Listing will be updated and made available on a weekly basis. The listing will reflect all TM data acquired and archived at EROS. It will also reflect the status of the various

products that can be reproduced from each scene; e.g., prints of each band, natural color composite, false color composite, false color composite, CCT's, etc. The Inventory Listings can be obtained free of charge and the Accession Slides ordered for \$4.00 each from EROS Data Center's User Service, Sioux Falls, SD 57198, telephone (605) 594-6159.

PRICE INCREASES FOR LANDSAT THEMATIC MAPPING DATA

NOAA has announced the following prices for Landsat Thematic Mapping Data Products:

<u>Nominal Image Size</u>	<u>MSS Products</u>	<u>TM Products</u>
7.3" film (B&W; pos.)	\$ 30	\$ 38
7.3" film (B&W; neg.)	35	42
7.3" paper (B&W)	30	33
14.6" paper (B&W)	58	70
29.2" paper (B&W)	95	115
7.3" film (color; pos.)	74	105
7.3" paper (color)	45	75
14.6" paper (color)	90	135
29.2" paper (color)	175	235

The following is a list of AVAILABLE THEMATIC MAPPER SCENES that are currently available from the EROS Data Center. The complete data on these scenes, available from the Data Center, includes the following information:

Accession Number; Path; Row; Area; Date Taken; Percent of Cloud Cover; Film Qualities; CCT Bands Present; Scene ID; 35mm Slide (N = no, Y = yes).

AVAILABLE THEMATIC MAPPER SCENES

(Accession Number and Area are the only data listed here.)

1. DETROIT 2. DETROIT 3. CINCINNATI 4. BALTIMORE 5. DES MOINES
6. NE KANSAS 7. NE ARKANSAS 8. PHILADELPHIA 9. NORFOLK VA
10. WASHINGTON D.C. 12. VANCOUVER 31. PORTLAND ME
32. JACKSONVILLE 33. BUFFALO NY 34. W VA/KY 36. MACON GA.
37. NC IOWA 39. S.C. OCEAN 40. NC ARK. 41. ST. LOUIS MO
42. ST. PAUL MN. 43. NEW ORLEANS 44. GEORGIA 46. JAMESTOWN

47. KANSAS CITY 48. LONG ISLAND 50. MISSOURI 51. DENT CO. MO.
52. MEMPHIS 54. HARRISBURG 55. CANADA 56. MINNESOTA
57. MINNESOTA 64. BUFFALO 65. HARTFORD CT. 66. NOVA SCOTIA
72. IOWA 73. SC MISS. 74. SPRINGFIELD 75. ANTICOSTI C.
86. CRNVILLE MS 87. KEWEENAW MI 88. ELIZ CITY NC
98. MOREHEAD NC 102. FLORIDA KEYS 108. NW MICH. 109. W IND.
110. BIRMINGHAM 113. CAPE KDY 114. S. ONTARIO 115. KANSAS
124. HUMBOLT TN 125. MISS/ALA 126. ATLANTA 127. LONG ISLAND
128. PADUCAH KY 129. MOBILE 130. RAPID RIVER
131. M. H. CANADA 132. RALEIGH NC 133. CHICAGO
134. MIDLAND MI 135. BOSTON 136. SX FALLS SD
137. CANTON OH 138. PITTSBURG 139. ADIRONDACH
140. CHARLESTON 142. LK CHAMPLAIN 143. TAMPA 144. WEBSTER CO
145. JAMESTOWN NY 146. NASHVILLE 147. ABERDEEN SD
148. GALESBURG IL. 149. GREENBAY WI. 153. SE CA/NV
157. PUEBLO COL. 158. NE GEORGIA 159. SE TEXAS
160. CHARLTON SC 164. BUFFALO NY 170. EAST S.D.
172. NEWTON IA 174. GREELY COL. 175. NEWCASTLE TX.
176. CHESAPEAKE B 177. LETHBRG ALBT 181. STRASBERG VA
182. FT DODGE IA 185. INDIANAPOLIS 186. AUGUSTA GA.
187. BANGOR ME. 188. JOPLIN MO. 189. ROANOKE VA
190. HARRISBURG 192. LAWTON OK 198. BOLD MT. NV
201. ROCKY MTN. 202. ENID OK. 203. ROANOKE VA 204. MODESTO CA
205. HAMILTON MT 206. LYNCHBURG VA 207. MILWAUKEE
208. CHINA LK CA 212. TUCSON AZ 213. LAS VEGAS

MINUTES**MEETING OF THE EXECUTIVE COMMITTEE
WESTERN ASSOCIATION OF MAPS LIBRARIES (WAML)
SPRING MEETING - APRIL 21, 1983
SAN JOSE STATE UNIVERSITY, SAN JOSE, CALIFORNIA**

A meeting of the Executive Committee was called to order at 10:00 a.m. by President Riley Moffat at Clark Library, San Jose State University.

Members present were President Moffat; Susan Trevitt-Clark, President-Elect; Stanley Stevens, Treasurer; Donna Koepp, Secretary; and former-President Larry Cruse.

FUTURE MEETINGS

The Fall 1983 meeting will be held at University of California, Berkeley, on September 22-23, 1983, to be hosted by Phil Hoehn. The program will feature computer software programs and preservation techniques.

University of Washington at Seattle will be the site of the Spring 1984 meeting on April 6th and 7th, hosted by Steve Hiller. Emphasis of this meeting will be the academic map collection in 1990. Dates of this meeting were chosen to coordinate with a meeting of the Association of College and Research Libraries (ACRL) being held in Seattle the same week.

The Fall 1984 meeting is scheduled for California State University, Fresno, to be hosted by Herb Fox. The Spring 1985 meeting will be at Arizona State University, Tempe, hosted by Rosanna Miller. Beyond Spring 1985, Eugene, Oregon; Davis, California; and Provo, Utah, are all possibilities.

AFFILIATE ORGANIZATION REPRESENTATIVES

Stan Stevens reported on the activities of the Cartographic Users Advisory Council (CUAC). They are currently working on their constitution and by-laws, which will probably require the appointment of two representatives from each affiliate organization. One representative will be a voting member; the other a non-voting alternate. It would be desirable for both members to attend, to provide continuity to both CUAC and the affiliate organization. The expectation would be that attendance would be mandatory, to make the organization effective in its contacts with government agencies. As an organization, WAML needs to look carefully at the CUAC constitution and by-laws, and determine whether we are willing to make this commitment. We will need to consider providing some financial support to insure representation by at least one representative. Within the next

two months the constitution and by-laws will be sent to each of the WAML officers to review. It will be considered further at our Fall 1983 meeting.

Donna Koepp reported on the ALA Map and Geography Round Table (MAGERT) Mid-Winter meeting in San Antonio. The American Library Association's Annual Conference will be held June 23-30, 1983, in Los Angeles. MAGERT is sponsoring a preconference map cataloging workshop, scheduled for Friday, June 24th. The goal of this workshop is to provide guidance to those who are new to map cataloging, or to those who are not full time map catalogers.

The MAGERT Publications Committee has announced plans to publish a directory of map collections. Target date for publication is 1985, with plans for 5-year updates following. MAGERT is planning their first Occasional Paper, on the theme of mapping the trans-Mississippi West, for sometime following the June meeting in Los Angeles.

PUBLICATIONS

Riley Moffat reported on progress on his Index to Out-of-Print USGS quadrangles (pre-1940), which will be WAML Occasional Paper No. 10. Indexing is about half complete, and he has been refining the printing process to be used for the index map. Besides USGS quadrangle maps, the index will include mapping of the Mississippi River Commission and the Corps of Engineers. Access will be by scale and coordinate as well as alphabetical by quad name.

A history of Hawaiian mapping was also announced by Riley. This is a joint project in current research by Riley Moffat and Gary Fitzpatrick. One by-product of this project will be a cartobibliography of Hawaii, to be submitted for consideration as a WAML Occasional Paper.

The reprint map series that was discussed at last fall's meeting, is awaiting word from Serge Sauer of the Association of Canadian Map Libraries.

SPECIAL PROJECTS

Larry Cruse presented his ideas on a microfilming consortium. He would like to see this established under the auspices of WAML. Larry would like to see seed money from WAML put into an initial project, which would then pay for itself, and create enough funds to sustain future projects. WAML would retain rights to masters of the film, and it may work as a promotional device for WAML.

President Moffat appointed Larry to the position of Chairman of the Publications Committee and asked for the Committee to present a specific proposal on the reproduction project, as well as carrying out the other duties of the Publications Committee in

working on potential Occasional Papers.

President Moffat reported that he had received a letter from David Cobb, of the Map and Geography Round Table, concerning the map collection directory which MAGERT plans to publish. Since WAML had also been planning to do a map collection directory of its principal region it seemed reasonable to explore the possibility of cooperating rather than duplicating effort or competing with MAGERT. It was unanimously agreed to give up our own plans for a directory in favor of cooperating with MAGERT. Donna Koepp asked for the Committee's input on survey questions for the MAGERT directory and several ideas were suggested.

Susan Trevitt-Clark announced that she would like to do an article on floor plans of map libraries. She will make an announcement at the business meeting.

Input on statistics standards which Susan and Barbara Cox have been collecting has been slow.

Barbara Cox sent a copy of the completed procedures manual on which she had been working. There had not been time to review it before the meeting, so it will be circulated among the officers for their ideas and comments.

NEW BUSINESS

Stan Stevens announced that he is resigning the editorship of the Information Bulletin. He will continue with the rest of this volume and through the next volume in order to help through a transition to a new editor. Stan stated that one of the reasons he was giving up the position of Editor was to be able to devote more time to the completion of his work on the incorporation of WAML and its non-profit status. Stating that he was sure WAML had a great deal of talent from which to draw, Stan said he would like to see an open recruitment for a replacement. Stan is willing to continue to produce the Information Bulletin, and suggested that the new editor would be responsible for the intellectual content and the layout.

Stan announced that WAML had purchased a computer software package which he used (with his personal computer) in producing Occasional Paper No. 9, Frances Woodward's Index to the Information Bulletin and for the Information Bulletin. Stan asked for approval to buy another software package that he could use in the preparation of WAML financial statements. The committee gave unanimous approval to provide up to \$500.00 for this software package.

The meeting was adjourned at 11:50 a.m.

Respectfully submitted,

Donna Koepp
WAML Secretary

MINUTES
GENERAL MEETING
WESTERN ASSOCIATION OF MAP LIBRARIES (WAML)

SPRING MEETING - APRIL 21-22, 1983
SAN JOSE STATE UNIVERSITY, SAN JOSE

The meeting was convened Thursday, April 21, 1983, at 1:30 p.m. at the Student Union, on the campus of San Jose State University, San Jose. We were welcomed by the Director of San Jose State University Libraries, Maureen Pastine, who invited all of us to tour their new solar energy library building. Riley Moffat opened the meeting with announcements concerning dinner arrangements for that evening.

WAML BUSINESS MEETING

The business meeting followed the welcoming statements and introductions. Stan Stevens gave the Treasurer's report. Cost of printing the Information Bulletin, which is published 3 times a year, increased 47% last year. By getting competitive bids and through negotiation with our current printer, however, Stan was able to get a 34% reduction from last year's cost.

Number of members currently totals 403. We have 113 principal region members, as compared to 116 at the close of last year. We have 58 associate members, up one from the end of last year; two life time members, 34 institutional members, down one from the close of last year and 198 subscribers to the Information Bulletin, which is down four from last year's close. This comes to a net decrease of 7 overall. This includes subscribers to the Information Bulletin on every continent of the world, so it is being widely distributed and read. This is something to consider when choosing an avenue for expression of our ideas in print form. Stan encourages us to contribute our ideas to the Information Bulletin, for wide readership.

We have published eight Occasional Papers so far and Number nine is being proofed and will soon be filmed. Sales on Occasional Papers have been good. We have broken even on five of these papers and they are now providing income for new issues in the series. All Occasional Papers are in print and available. The newest Occasional Paper, number nine, is Frances Woodward's Index to the first 10 years of the Information Bulletin. Stan has this in his computer, and printed out it comes to 151 pages. Following final proofing and revising, this will be filmed, and microfiche will be produced. For a cost of about \$150.00 to the organization, we will be able to furnish one copy free to each member and subscriber to the Information Bulletin. It will also

be available in hard copy, as a computer print out on demand.

The next report was on the Cartographic Users Advisory Council (CUAC) by Stan Stevens. Following a brief sketch on the organization and purpose of the Council, Stan announced some of its recent accomplishments. As a result of efforts by Gary North, Assistant Division Chief of the National Mapping Division of USGS, map depository libraries can look forward to receiving Bureau of Land Management maps nation-wide. Previously, there was no automatic distribution of BLM maps. They had to be acquired from each state BLM office individually. There had been no central point of printing or distribution. Gary was able to arrange to have all BLM maps printed at USGS, which will save printing costs for BLM, and at the same time made provisions in the contract for enough copies of each map to be printed to supply each map depository library with a copy. This will save all of us countless hours and much frustration in tracking down those maps ourselves.

As a result of a direct appeal from CUAC to the Defense Mapping Agency, map depositories are now beginning to receive the Joint Operations Graphics of some European countries at 1:250,000. This is a series that was desperately needed by libraries to fill user demand. No new mapping of many foreign countries at this scale had been received for many years. Because of CUAC's persistence DMA agreed to survey all of the countries with which it had agreements and for which it had done mapping, to see if releases could be secured on the mapping DMA had done for those countries, so that copies of those maps could be loaned to libraries on a depository basis. The JOG 1:250,000 maps that depositories have just received are as a result of CUAC's efforts. CUAC's influence on the distribution of cartographic products from federal agencies has brought about a significant improvement in our map libraries.

The Executive Committee meeting minutes were read by Secretary Donna Koepp. This was followed by her report on activities of the Map and Geography Round Table (MAGERT) of the American Library Association. The Annual Conference of ALA will be held June 23-30, 1983 in Los Angeles. On Friday, June 24th, MAGERT is sponsoring a pre-conference workshop on map cataloging. The aim of this workshop is to provide guidance to those who are new to map cataloging.

The MAGERT Publications Committee announced plans to publish a directory of map collections and has asked WAML to cooperate with them in this effort. Publication date has been set for 1985, and there will be 5-year updates. MAGERT's first Occasional Paper, on the theme of Mapping the Trans-Mississippi West, is planned for sometime following the L.A. Conference.

Riley Moffat announced that Susan Trevitt-Clark is interested in gathering information on map library floor plans, and asked each of us to help Susan out in this project by sending her a copy of our respective map facility floor plan, as well as information on number of staff, hours of operation, etc. (following the format used by the Association of Canadian Map Libraries' folio of floor plans). Please send to her at Map Room, University of Oregon, Eugene, OR 97403.

More involvement is needed on the Hospitality Committee. Beatrice Lukens and Rosanna Miller have been responsible for this activity for some years, and have done an admirable job. We would like at this point to see some new involvement in this activity.

S L A Geography and Map Division, is planning a Directory of Map Catalogers. Riley asked that if anyone present is involved in map cataloging to please pick up a form and mail it to the Division.

The upcoming meeting of the Association of Canadian Map Libraries was announced. It will be held in Vancouver, June 5-9, 1983, which will include a map exchange afternoon at the University of British Columbia Map Library. The theme of the meeting is Maps and Users, and offers a varied program.

The Publications Committee is being reactivated. Larry Cruse has been appointed Chairman of this committee. Working with him will be Phil Hoehn, University of California, Berkeley; Ron Whistance-Smith, University of Alberta, Edmonton; and Delbert Roach of the Genealogical Society of Utah, Salt Lake City.

Larry Cruse reported on his plan for a microfilming consortium. He has reported on this in the November 1982 Information Bulletin. At this point, they are working on breaking up a large project into small segments that will be appealing to a variety of map libraries. Projects upcoming include the filming of all of the west coast nautical charts of the Americas from 1850-1950. This will be done in increments. Prices will be about 15 to 25 cents per microfiche, for those who subscribe to the initial production, and after that the price will be closer to 35 to 50 cents each. They are still looking for ideas on what map librarians in the west would like to have filmed, and what would be accessible for filming. Ideally there should be some kind of cartobibliography or checklist associated with the project to provide instant access. By the time we meet this Fall in Berkeley there hopefully will be some samples for us to look at.

Delbert Roach of the Genealogical Society of Utah gave a presentation on their project to create a map library file and to microfilm their map collection of approximately 10,000 maps, to improve their accessibility to branch libraries.

SOUNDING BOARD

Stan Stevens announced a job opening for a map librarianship position at the University of Illinois, Urbana/Champaign. The main responsibility will be in the Map and Geography Library working under David Cobb, Assistant Director of Special Collections. Deadline for application is June 20, 1983. Position is available October 21, 1983.

Stan inquired, at the request of Gary North of USGS, about our preferences on scale for a new topographical map product that would be suitable for digital data. They are trying to decide on what the user public would prefer to have. Mapping would primarily be of urban areas. We were asked to vote on whether we would prefer 1:5,000 or 1:10,000. Results were pretty evenly divided.

Stan announced the results of a CUAC ranking of federal agencies, which was requested by USGS and the Joint Committee on Printing of Congress, to give an indication on the map community's feeling on which agencies to approach next for maps. The ranking is as follows:

1. National Ocean Survey
2. Bureau of Land Management
3. Bureau of the Census
4. Office of the Geographer of the State Department
5. Soil Conservation Service
6. Department of Energy
7. Corps of Engineers
8. Forest Service
9. National Oceanic and Atmospheric Administration,
particularly the National Weather Service
10. Housing and Urban Development / Tennessee Valley Authority.

CUAC would like input on this, please contact Stan Stevens.

Pam Enrici announced that the San Jose State Library had received either the last or one of the last copies of the new Atlas of Mexico. She cautioned us, that if we were going to try to order this from Mexico to state how we wanted it shipped, since the buyer pays those charges. The atlas was shipped air freight, and now they were being billed additional to cover that expense.

Gary Fitzpatrick announced that the Library of Congress, Geography and Map Division, had received as a gift, a copy of a new atlas Territorio Mexicano. Gary said that this was the most impressive cartographic work that he had ever seen. It was done by the Social Security Agency of Mexico for their director to give away as gifts at the end of his administration. It consists of two volumes of text, and a box of portfolios containing about

fifty manuscript and printed maps. The work is filled with exquisite color illustrations and maps. There were only 3000 printed. It is in Spanish, copyrighted, and cannot be purchased, but fortunately copies were distributed to institutions where research on the atlas had been done, which is why LC G&M received a copy.

LOCATING MAPS ON COMPUTER DATA BASES

Gary Fitzpatrick presented us with his findings on a study he began in a post masters program at Catholic University of America. His study involved the use of on-line data bases that are available through such vendors as Dialog, Orbit, and SDC, for locating maps in journals, government documents and various other reports, all in essentially non-cartographic format. There are a wealth of maps in publications that are not traditionally thought of as map publications, and almost total lack of access to them in a manual search. At a recent National Online Meeting in New York City, it was very apparent that there is a lot of money in the online information industry. Data base producers are looking for ways to make more money, and if they find a potential market for a product they haven't tapped, one of them may well be interested. This was the theme with which the paper was presented.

In his study, Gary wanted to find out how many maps he could find using a data base not specifically designed for map format materials. He looked at GeoRef, but that was not one of the data bases he concerned himself with for purposes of the study, because he was seeking non-cartographic sources. In checking GeoRef, he found 60,000 references to the words map, maps, mapped or mapping, 12,000 of which were document-type maps. In using NTIS, which has no provision for searching by 'map' document type, there are over 12,000 references to records containing one of the map search words. One major concern of the research was to discover how these words were being used. Were they making indirect reference to a map, were they being used in a cartographic sense or a non-cartographic sense?

Initially, one hundred different data bases in Dialog were searched, resulting in a quarter million uses of the search terms. Twenty of the data bases had more than 1000. To narrow the search, Gary selected several data bases for a more in-depth analysis. He randomly sampled the records among the data bases, and looked at individual complete records to see how the terms were being used. He eventually decided that map and maps were the most essential terms to search. His first in-depth analysis was done on ENVIROLINE in which he sampled 381 records, resulting in a 98% rate of positive references; that is, to terms resulting in an actual map in a publication. This percent, in searching twelve data bases, ranged down to 8% positive references found in COMPENDEX and NTIS. Three of the data bases which resulted in the highest percentage of positive references were CIS, ENERGYLINE and

ENVIROLINE. It is significant to note, that all three of these are available on microfiche in many large research libraries, so we may have access to a great many more maps than we realized.

These findings are just a beginning. There are many aspects yet to be explored. We need to determine how best to get to this material as inexpensively as possible, and determine what the quality of the maps is that we are finding through the data bases in non-traditional, non-cartographic publications. We need to know whether this material is worth going after online.

Gary proposed to WAML, that interested members of our organization continue this research project. Because the number of maps being found so far in the research is significant, not only to map libraries and our users, but also to the data base producers, Gary thinks the producers could be persuaded to produce a separate hard copy version, which could be used in the searching for maps in documents. In order to convince them to do this, they must first realize there is a wealth of material in the data base, and secondly they need to know that there is a market for the printed version. At this point, data base producers are pretty unaware of map libraries and the use of maps. They need to know of the many users, including general reference librarians, who use non-cartographic sources. Thirdly, they need to know if the market is really interested in the product, and to determine this, we will have to know the quality of the maps we are finding.

Gary would like to see 10-12 WAML members continue this research. He estimates that the project would take about a year and a half, each person having to examine about 50 to 75 items. By involving several individuals and institutions, it would help keep the online costs down, although Dialog may agree to provide some free time. The group would need to define its goals, but as Gary sees it, they should involve determining quality of maps, refining figures so far gathered, making sure the study is valid, evaluating the scope of the material and subject matter covered by a data base, developing guidelines for effective online searching, and describing requirements for hard copy reference aids. A statistician would be needed to ensure that research is kept in line.

The end result of the study would be to provide access to maps that currently we have no access to. One of the products of the study would be a printed report with tables and graphs, etc., illustrating the number of maps that are in publications, to convince the producers that they would be providing a much needed product. With this information we could go to the data base producers as a group, with the endorsement of WAML, and probably stand a good chance of selling our idea. Gary invited interested members of WAML to think about the project and talk to him if they wanted to become involved in an extension of the project.

The Thursday session adjourned following the map online

presentation. Pam Enrici conducted a tour through the Clark Library for some of the members. Thursday evening the Faculty Club was the setting of a lovely dinner, and good conversation with friends.

MAP CATALOGING WORKSHOP

Friday, April 22nd, at 9:00 a.m. the meeting reconvened for a map cataloging workshop presented by Mary Larsgaard, Map Librarian at the Colorado School of Mines. The workshop concentrated on the interpretation of the new map cataloging manual, Cartographic Materials, a Manual of Interpretation for AACR 2, prepared by the Anglo-American Cataloguing Committee for Cartographic Materials, of which Mary was a member.

Before beginning the workshop, Mary announced that at a recent meeting she had learned that this summer or fall, the Library of Congress, Geography and Map Division, would be publishing a map cataloging input manual. Also in the next six months, LC is going to take GPO map records and add LC card numbers, LC classification numbers and subject headings.

Following these announcements Mary led us through the maze of map cataloging rules and rule interpretation, defining, explaining, and giving examples. We all learned to use the natural scale indicator to determine scale of maps and followed through a review of The Properties and Uses of Selected Map Projections. We looked at various sample maps and practiced locating pertinent information for the map record. With Mary's guidance we all began to feel much more comfortable with the manual, and to view the job of cataloging maps as a much more manageable task.

Supporting Mary during the workshop on AACR 2 rule interpretation was Dorothy McGarry of UCLA. Charlotte Derksen, of Stanford University, led the RLIN group with hands-on experience following Mary's presentation, and Mary led the OCLC hands on group.

It was a most profitable day in which we learned, gained confidence, and shared experiences and information with one another.

ADJOURNMENT AND ACKNOWLEDGEMENTS

The meeting was adjourned following the workshop and hands-on demonstrations on RLIN and OCLC. We are all grateful to Pam Enrici for the hospitality extended, and the very well organized meeting and comfortable and congenial atmosphere, which provided for a most successful and interesting Spring meeting.

Donna Koeppe

WAML Secretary

ATTENDENCE SPRING MEETING-CATALOGING WORKSHOP, APRIL 21-22, 1983

MARY B. ANSARI University of Nevada, Reno
BARBARA A. BARNARD Rutherford & Chekene, San Francisco, CA
KATHERINE BERTOLUCCI Trans-Pacific Geothermal, Inc., Oakland, CA
JEAN BOCK Arizona Historical Society, Tucson
JANET COLLINS Western Washington University, Bellingham
CAROL E. COON San Francisco Public Library, San Francisco
LARRY CRUSE University of California, San Diego
CHRISTINE A. DECHORETZ University of California, Davis
JEROME A. DE GRAAFF Portland State University, Portland, OR
CHARLOTTE R. M. DERKSEN Stanford University, Stanford, CA
JOAN B. DIBLE Stanford University, Stanford, CA
IRENE DOEHLERT University of California, Los Angeles
PAMELA ENRICI San Jose State University, San Jose, CA
GARY L. FITZPATRICK Alexandria, Virginia
HERBERT S. FOX California State University, Fresno
GERALD GREENBERG U. S. Geological Survey, Menlo Park, CA
EDWARD L. HART Chevron U. S. A., Inc., Concord, CA
WILLIAM F. HEINLEN California State University, Fresno
STEVEN Z. HILLER University of Washington, Seattle
PHILIP HOEHN University of California, Berkeley
SARAH E. HOW University of California, Los Angeles
SHIRLEY L. HOPKINSON San Jose State University, San Jose, CA
EDWARD C. JESTES University of California, Davis
SUSAN KENDALL University of Nevada, Las Vegas
MARILYN L. KERCHER Livermore, CA
CHISU KIM California Poly State University, San Luis Obispo
DONNA KOEPP Denver Public Library, Denver, CO
SANDRA LAMPRECHT Long Beach State University, Long Beach, CA
MARY LARSGAARD Colorado School of Mines, Golden
BEATRICE L. LUKENS University of California, Berkeley
DAVID L. LUNDQUIST University of California, Davis
CHARLES D. MASTIN College of Marin, San Anselmo, CA
ANGELA C. MC CARREN San Jose, CA
DOROTHY MC GARRY University of California, Los Angeles
JANICE A. MC LOUTH Los Altos, CA
SUZANNE MIKEL University of the Pacific, Stockton, CA
JOZSEF MIKLOSVARY Stanford University, Stanford, CA
RILEY MOFFAT Brigham Young University, Provo, UT
LINDA NEWMAN University of Nevada, Reno
MICHAEL M. NOGA Stanford University, Stanford, CA
IRENE P. NORELL San Jose State University, San Jose, CA
HAROLD M. OTNESS Southern Oregon State College, Ashland
DELBERT ROACH Genealogical Society of Utah, Salt Lake City
BRUCE ROBERTSON University of Utah, Salt Lake City
ROBERT L. SATHRUM Humboldt State University, Arcata, CA
DAVID W. SCHACHT Oregon State University, Corvallis
ALICE L. SHARP Colorado Historical Society, Denver
VLAD SHKURKIN Publisher, San Pablo, CA

JOHN SHULER Long Beach State University, Long Beach, CA
 PAUL SIMONDS Western Economic Research Co., Sherman Oaks, CA
 STANLEY D. STEVENS University of California, Santa Cruz
 MURIEL STRICKLAND San Diego State University, San Diego, CA
 CHERYL L. SUND U. S. Geological Survey, Denver, CO
 GARY SWANSON Oakland, CA
 KARYL TONGE Stanford University, Stanford, CA
 SUSAN TREVITT-CLARK University of Oregon, Eugene
 JAMES M. WALSH University of Wyoming, Laramie
 ANNAMARIE WELTEKE SOHIO Petroleum Company, San Francisco, CA
 RONALD WHISTANCE-SMITH University of Alberta, Edmonton
 MAUREEN F. WILSON University of British Columbia, Vancouver
 IDA WU Stanford University, Stanford, CA
 CHARLOTTE YOUNG San Francisco State University, San Francisco, CA

NEWS NOTES

Contributions from:

LC = Larry Cruse, University of California, San Diego
 SH = Steven Hiller, University of Washington, Seattle
 FL = Fred Lohrman, University of Texas at El Paso
 JM = Jo Anna Moore, University of California, Santa Barbara
 EP = The Editor, from Publishers' blurbs & other announcements
 JP = J. B. Post, Free Library of Philadelphia, Philadelphia, PA
 CR = Christine Reinhard, State Cartographer's Office, Madison, WI
 MS = Margaret Sowers, Santa Cruz, CA
 MSt = Muriel Strickland, San Diego State University, San Diego, CA
 KW = Konrad Waibel, Arizona State Archives, Phoenix

New Vendor for Mexican Maps Announced

SnyderScope has recently been appointed a distributor for Mexican government topographic and geologic maps, nautical charts, and other publications. Address inquiries to: SnyderScope, P.O. Box 84063, San Diego, California 92138-4063, or call Robert Snyder at (619) 226-6550. [Robert R. Snyder is a new Member of WAML and we welcome his participation.] EP

Maps of Mexico Still Available from Steve Mullin

Stephen C. Mullin, [also a Member of WAML] continues as a distributor of Mexican maps. His address remains 456 Alcatraz Ave., Oakland, CA 94609. [Because of the turbulent history of acquisition of Mexican official mapping, we hasten to assure those who have done business with this vendor that he is still supplying maps on a continuing basis.] EP

Backsights : Newsletter of the Surveyors Historical Society.

Edward Zimmerman, Editor. P.O. Box 160502, Fort Sutter Station, Sacramento, CA 95814. Memberships available, mail to: Myron Lewis, Surveyors Historical Society, 31457 Hugh Way, Hayward, CA 94544. Chawhen locating property boundaries, the historical aspects of land surveying have a much greater impact upon the modern practitioner than century-old techniques of other professions have upon their followers. For this reason, we must take steps to preservd professional in September 1981, by incorporating. With ambitious plans for public displays, acquisition of historic items, and presentation of educational forums, this step became both a practical and legal necessity. It is universally recognized that when locating property boundaries, the historical aspects of land surveying have a much greater impact upon the modern practitioner than century-old techniques of other professions have upon their followers. For this reasion, we must take steps to preserve that which is vital, not only to we the practitioners, but also to the clients we serve. The corners of their property are often dependent upon factors delving far into the past. No other group has accepted the challenge to save and preserve the very foundations of our chosen careers, while it is our primary goal."

Officers of the Society are F.D. Bud Uzes, President; Robert Curtis, Vice President; Myron Lewis, Secretary; Michael Welch, Treasurer.

An item that appears in this semi-annual newsletter may be of interest to the WAML Information Bulletin readership: **Information Sought on Philadelphia Instruments:** "Research is well underway on a new book about Surveying Instrument Makers of Philadelphia, which will be published in collaboration with the Smithsonian Institution. The author, Robert Miller, is one of our members. He asks that anyone having old manufacturer's catalogs, or knowing about instruments made in that city provide him with the details. He will give credit in the book for all information used. The Society encourages participation in this important undertaking. Please direct your letters to: Mr. Robert C. Miller, 1746 Williamsburg Pl, Pittsburgh, PA 15235." EP

Auto-Carto Six

Auto-Carto Six, 16-21 October 1983 Ottawa-Hull, Ontario, Canada. The Sixth International Symposium on Automated Cartography. Theme: "Computer-Assisted Cartography: International Perspectives on Achievements and Challenges". Location: City of Hull, Palais des Congres and Maison du Citoyen (City Hall).

The five General Tracks selected to be the core of the Technical Programme for Auto-Carto Six are defined as follows:

A. Integrated Mapping Systems; B. Practical Applications of Computer-Assisted Mapping Systems; C. Problem Analysis with Computer-Assisted Maps and Map Products; D. Automated Cartography System Research and Development; E. Education and Training: Directions and Approaches.

The Proceedings of the Symposium will be available to attendees upon arrival. Only a limited number of copies will be printed for post-Symposium distribution to selected institutions and agencies on a pre-order/pre-payment basis.

Exhibits by 115 international exhibitors will include computer hardware and software, plotters, digitizers, mapping systems, remote-sensing equipment, communications systems, video-text, CAD/CAM, storage and retrieval systems, graphic display equipment, to which 3000 persons are expected to attend.

Further information is obtainable from Auto-Carto Secretariat, Department of Geography, Carleton University, Ottawa, Ontario, Canada K1S 5B6. Registration fee is \$300. EP

Symposium Held on Maps, Graphics for the Visually Handicapped

The first International Symposium was held on March 10-12, 1983 in Washington, D.C. More than 100 cartographers, geographers, educators, professionals in work with blind and visually handicapped individuals, as well as blind individuals attended the conference. Participants came from the United States, Japan, Belgium, Israel, the Netherlands, West Germany, Sweden, Australia, and Canada. Additional information appeared in the Library of Congress Information Bulletin, April 25, 1983, p. 140. EP

L C Acquires Original Manuscript Map of the Battle of Bunker Hill

A full story of this acquisition appears in the Library of Congress Information Bulletin for April 25, 1983, pp. 136-137. EP

Delaware Valley Map Society

The initial meeting of this new society was held on May 23rd, 1983 at The Historical Society of Pennsylvania. The Delaware Valley Map Society is envisioned as an organization for anyone interested in any aspect of maps -modern, ancient or otherwise. Meetings of the D.V.M.S. will include informal discussions about maps, lectures and trips to sites of interest. The Society is open to and welcomes individuals with all levels of knowledge from the neophyte to the expert. The annual membership fee is \$15.

For further information write: D.V.M.S., 33 Benezet St., Philadelphia, PA 19118, or phone 242-4750. JP

California Farmland Mapping

During recent times the U.S. Soil Conservation Service has conducted Congressionally mandated inventories of the nation's important farmlands. But the State of California Legislature decided to map and monitor its own. The **Farmland Mapping and Monitoring Program** was created in by the 1981-82 Legislature.

Beginning with 40 of California's 58 counties, the program will produce maps showing the location of crop and grazing lands in each county. The work is being done by the Department of Conservation, and program manager Arthur Mills said it should be completed by the Fall of 1983. As maps are completed they will be submitted to the Board of Supervisors in the respective counties for local approval. Four categories of cropland will be designated: **Prime Land**; **Land of Statewide Importance** (the latter two categories are based on technical criteria relating to soil quality and availability of water); **Land of Unique Importance** (although failing to meet the criteria for he first two categories, such lands are currently in production of any of the state's 40 highest cash-value crops, such as grapes in Napa Valley or avocados in Napa Valley or avocados in San Diego County); **Land of Local Importance** (This category will be defined by local option based on lands important to local economy.) [Adapted from an article in California Journal (April 1983, pp. 153-154), by Jim Churchill.] LC

Access to Federal Data Bases

Congressman Augustus F. Hawkins, Chairman of the Joint Committee on Printing, has announced [May 5, 1983] the appointment of the members of the Ad Hoc Committee on Depository Library Access to Federal Automated Data Bases. Bernadine Hoduski, Joint Committee on Printing Staff, has been appointed Chairperson. The other 15 persons represent government, industry, and the library communities.

The purpose of the Ad Hoc Committee is to evaluate the feasibility and desirability of providing access to Government information in electronic formats to Federal Depository Libraries. The Committee will also identify major policy areas which need to be addressed in order o meet the intent of Title 44, United States Code, to make Government information publicly available at no cost to citizens through the depository library system. The Committee has been asked to determine: 1. What and how much Federal Government information is in electronic format? 2. If depository libraries have the ability to access the new

formats? 3. What are the costs and benefits of providing information in electronic format? EP

Mapping the North American Plains

On April 28-29, 1983, the Center for Great Plains Studies at the University of Nebraska-Lincoln sponsored a symposium on the theme of the history of mapping in the North American Great Plains and its relationship to cultural perspective and regional development.

The symposium and accompanying exhibition of historic maps was held during the 150th anniversary of the expedition to the plains of Prince Maximilian. It also marked the publication of Volume I, an atlas, of the new edition of the papers of the Lewis and Clark expedition. The Center for Great Plains Studies, 1213 Oldfather Hall, UNL, Lincoln, NE 68588-0314. MSt

Nebenzahl Lectures

The Seventh Kenneth Nebenzahl, Jr. Lectures in the History of Cartography at the Newberry Library is scheduled for 27-28-29 October 1983. Apply for reservations to the Office of the Director, The Newberry Library, 60 West Walton Street, Chicago, IL 60610 (Telephone 312/ 932-9090, ext. 251.

Program: *English Overseas Chartmaking 1560-1640 : The Chart-makers' Sources: Sarah Tyacke, The British Library
 *Sources of the Printed Maps of Christophe Tassin: David Buisseret, The Newberry Library
 *Copper-plate Engraving as an Influence on Map Content : The Evidence of the Blaeu Atlas of Scotland: Jeffrey Stone, University of Aberdeen
 *The Indian Contribution to the Mapping of the Great Lakes: Helen Tanner, The Newberry Library
 *The Jesuit Cartographers : Their Education and Methods of Mapping in China: Theodore Foss, University of Illinois at Chicago
 *Sources for the Napoleonic Mapping of Egypt: Anne Godlewska, Clark University
 *Mapping the American Southwest Borderlands : Upper Rio Grande to Lower Colorado River, 1846: Norman Thrower, University of California, Los Angeles. EP

Workshop on Remote Sensing

The EROS Data Center, Sioux Falls, South Dakota, held a Workshop on The Role of Remote Sensing In Geographic Information Systems on April 18-22, 1983, at the EROS Data Center. The

purpose of the workshop was to introduce natural resource specialists to the utility of remotely sensed data in geographic information systems, to describe the types of spatial analyses used within a GIS, and to explore procedures available to solve resource problems.

The workshop included lectures, discussions, and exercises emphasizing the application of remote sensing and spatial data analysis techniques to natural resource problems. The course included an overview of spatial data characteristics and geographic information systems, descriptions of the role of remotely sensed data in geographic information systems, explanations of the capabilities, limitations, and procedures involved in spatial analysis, and discussions of methods available for solving natural resource problems.

For more information contact: Thomas M. Holm, Applications Branch, EROS Data Center, Sioux Falls, South Dakota 57198 (phone 605/ 594-6114). JM

Texas is Tough on Map Crime

TEXAS PENAL CODE, Art. 1436f, Sec. 3: "Whoever shall commit the crime of theft of a geological or geophysical map, as defined herein, shall, upon conviction, be guilty of a felony and shall be confined in the penitentiary not less than two (2) nor more than ten (10) years, or shall be fined not less than Two Hundred Dollars (\$200) nor more than Five Thousand (\$5,000), or shall be punished by both such fine and imprisonment." FL from Carto-Points (Spring 1983). [Do you suppose we could apply the Texas Penal Code to our libraries?]

Population Center Moves West

The Wisconsin Mapping Bulletin for January 1983 (p. 12) carries a story, with a map, indicating the 1980 center of population for the United States is 47.1 miles west and 22.5 miles south of the 1970 center. "Census Bureau geographers pinpointed the exact spot at latitude 38-degrees 8-minutes 13-seconds North, and longitude 90-degrees 34-minutes twenty six-seconds West, in Missouri. CR

North American Cartographic Information Society

A call for papers has been issued for the NACIS 1983 Annual Meeting, Milwaukee, Wisconsin, October 20-22, 1983. The theme of the meeting is "Map Information: Collection, Verification, Compilation. The annual meeting will include paper sessions, panels, workshops, exhibits, and tours of cartographic facilities.

The NACIS Program Committee invites papers dealing with the theme - both past and present. Those interested in presenting a paper should submit a title and a 300-word abstract sufficient for review no later than July 15, 1983 to: Ron Bolton, NOAA/NOS, 8060 - 13th Street, Silver Spring, MD 20910. For general information about the meeting contact Donald Daidone, Newman Library, Virginia Tech, Blacksburg, VA 24061 (phone 703/ 961-6308). CR

State Cartographers In The U.S. - January 1983

Arizona: State Resident Cartographer (position requested)
California: State Resident Cartographer (position approved but not filled because of budget restrictions).
Colorado: Lou Campbell, State Cartographer, Division of Planning, Department of Local Affairs, Room 520, 1313 Sherman St. Denver, CO 82003.
Hawaii: State Resident Cartographer (position approved)
Idaho: Mike Sety, State Resident Cartographer, Department of Lands, Statehouse, Boise, ID 93720
Nevada: Gene Faust, State Resident Cartographer, Bureau of Mines and Geology, Univ. of Nevada, Reno, NV 89557
Oregon: Glenn Ireland, State Resident Cartographer, USGS, P.O. Box 3202, Portland, OR 97208
South Carolina: Mike Holland, State Cartographer, SC Div. of Research & Statistical Services, Office of Geographic Statistics, 337 Rembert C. Dennis Bldg., 1000 Assembly Street, Columbia, SC 29201
Utah: State Resident Cartographer (position requested)
Washington: Don Zoller, State Resident Cartographer, Dept. of Natural Resources, Resources Inventory Section, QW 21, Olympia, WA 98504
Wisconsin: Art Ziegler, State Cartographer, 160 Science Hall, University of Wisconsin, Madison, WI 53706.
 [From the January 1983 Wisconsin Mapping Bulletin CR]

Washington State Resident Cartographer Reassigned

Don Zoller, Washington State Resident Cartographer, has been reassigned by the U.S. Geological Survey to the National Mapping Division in Reston, Virginia. Don served as State Resident Cartographer (SRC) from June 16, 1979 to April 15, 1983. This was the first such position in the nation, jointly funded by the U.S.G.S. and the Washington State Department of Natural Resources.

The responsibilities of the SCR include assisting federal, state, and local map users in determining their requirements for cartographic materials, coordinating statewide mapping objectives, and identifying sources of available cartographic products, services and technical assistance. The SRC also plays a key role

in assisting the State Mapping Advisory Committee (SMAC) in these areas. The success of this initial SRC position can be seen by the expansion of the program to other western states - including Oregon, Idaho and California.

Don was keenly aware of the role that libraries play in providing cartographic information and materials to the public. He was instrumental in opening the SMAC membership to include librarians, locating the NCIC state-affiliate at the Washington State Library, and in preparing the agenda for the day-long program on maps for a Washington Library Association preconference in 1981. He also contributed significantly to the Directory of Cartographic Products, published by the Washington State Department of Natural Resources in 1982.

Don Zoller was an excellent resource person and will be sorely missed. It is hoped that a replacement will be named shortly. SH

International Federation of Library Associations

IFLA's Division of Special Libraries has a Section of Geography and Map Libraries. The February 14, 1983 (pp. 57-58) issue of the Library of Congress Information Bulletin includes a report of the talks and business conducted at the 1982 meetings in Ottawa. EP

Microcartography, WAML Occasional Paper Reviewed

Ralph E. Ehrenberg, Assistant Chief, Geography and Map Division, Library of Congress, has written a review of WAML Occasional Paper No. 6 which appears in American Archivist for Winter 1983, (Vol. 46, No. 1, pp. 75-76). EP

Arizona Map Shop & Gallery

Wide World of Maps, Inc., has two map stores doing business under the name of Arizona Map Shop & Gallery. Robert L. Molner, President, has announced the opening of the relocated main office [2626 W. Indian School Road, Phoenix, AZ 85017 (phone 602/279-2323)], and a new store at 1526 N. Scottsdale Rd., Tempe, AZ 85281 (602/949-1012). A list of Southwest--General, Alaska, Arizona, California, Colorado, Hawaii, Nevada, New Mexico, Utah, Pacific Northwest, Northern Rockies, Mexico, guidebooks, (general as well as geologic, mineral, hiking, cookbooks) including Hubbard's plastic relief maps (1:250,000 AMS) of western U.S. @

\$13.95, and atlases. EP

Map Time: The Routes of Man at the National Geographic

The above is the title of an article by Sarah Booth Conroy that appeared in the April 26, 1983 edition of The Washington Post (p. B1-B2). The article describes an exhibit sponsored jointly by the NGS and USGS to honor the 100th anniversary of John Wesley Powell's plan to map the United States. "The exhibit [at the NGS for the next six months], ... will tour science museums after it leaves the National Geographic's Explorers Hall." MS

D.M.A. Joint Operations Graphic (JOG) Series Shipment

The first JOG shipment, Defense Mapping Agency series 1501, was received by DMA Depository Libraries during April, 1983. The maps covered the countries of Germany, Netherlands, Belgium, Denmark, and parts of France, Austria, Switzerland, Sweden, Luxembourg, and Liechtenstein. The maps are at a scale of 1:250,000. The next shipment that is being prepared will cover France. JW

More on the D.M.A. JOG Series Shipment

The second JOG shipment of 26 sheets of France in Series 1501, "INCREMENT #2", has arrived. It should be pointed out that Series 1501 is not available to Non Depository Libraries, and is not for sale by the Defense Mapping Agency. However, as DMA tries to get releases from the 1501 countries, some do not choose to do so. Increment #2 contains a letter to that effect for coverage of Thailand. Although the Royal Thai Survey Department has not permitted DMA to distribute the 1501s covering its country, it has "agreed to sell [52] maps to interested institutions at 22.00 baht per sheet. Purchase requests should be sent to: Director of Survey, Royal Thai Survey Department, Supreme Command Headquarters, Bangkok-2, Thailand." This is welcome news for all map libraries, "Thank You DMA!" EP

Fifth Regional Mapping Workshop

The Western Mapping Center, National Mapping Program, USGS Menlo Park, sponsored a workshop at Tucson, Arizona, October 13-16, 1982, for representatives of the states in WMC's region. At the request of NMD, the state representatives caucused separately to develop a budget scenario and program policy recommendations. The representatives presented NMD with thirteen policy issues and recommendations. For a policy issue to be

presented to NMD, four out of seven states had to agree. [The following issues are presented with three category captions: **Policy Issue; Background; Recommendation.** To conserve space they will not be repeated for each.]

1. There appears to be a diffusion of effort away from the NMD primary mission--7.5' mapping. / Slipping production schedules have been noted in several states. / Speed up production even if it means having less variety in the pipeline. Do not start new programs until 7.5' mapping is complete.

2. Is there a real need for 1:25,000 metric maps? / Nobody likes 1:25,000 metric maps. / Discontinue production.

3. Is there a need for better coordination and communication in states where more than one center is active? / In states where more than one mapping center is active, coordination and communication with SMAC's needs to be initiated/improved [State Mapping Advisory Committee]. / Program Management staff should inform SMAC's of program plans, work in progress, and work completed.

4. Should the 100K series production be accelerated? / Several states have poor 7.5' and 15' coverage and need 100K bases ASAP. / Increase budget and staff for 100K mapping.

5. Should regionwide current OQ coverage be available [orthophotoquads]. / OQ's are very popular. Coverage sometimes spotty, dated or of poor quality. / Accelerate OQ program and update regularly. Make reproducibles available to states.

6. Should potential map copyrights be applicable to state and local government's base map usage? / Many USGS map products are used by state and local agencies for a wide variety of base maps. / State and local government base map usage should be exempted from copyright provisions.

7. Should the western SRC [state resident cartographer] program be continued and implemented where desired? / SRC's meet a unique need in the western states. Benefits outweigh the costs. / USGS should fund SRC's in all western states desiring them.

8. Should the NCIC state affiliate program be continued? / NCIC state affiliates are a vital link to users of USGS products. This is increasingly important in a cost recovery environment. / USGS should continue to support the NCIC affiliates and establish new centers in states desiring them.

9. Is bathymetric mapping needed? / Increasing exploration of coastal and continental shelf resources is occurring. Federal bathymetric mapping efforts are stalled and no agency has a clear lead responsibility. / The federal government should designate a lead agency for bathymetric mapping. We recommend USGS/NMD. A program should be developed and implemented.

10. Should NHAP [National High Altitude Aerial Photography] acquisitions be better coordinated? / Spotty coverage and varying dates have caused problems for NHAP users. / Work toward making state coverage contemporary.

11. Should NMD programs be flexible to accommodate unique regional characteristics and need? / Land ownership, geographical

patterns and mapping status are unique in the West. / USGS/NMD should continue to be flexible in the implementation of its programs in the West.

12. Should the USGS take the lead in national digital mapping efforts and provide for state input in development of standards. / Multiple federal programs are incompatible and often involve duplication of effort. The rapidly developing situation requires some central standardization and direction. States have not even seen draft standards much less had an opportunity to comment. / Provide draft of standards and common formats to states for review and comment. Implement data format standards ASAP. Pursue an aggressive program along the lines of the proposed OMB circular.

13. Confusion between side-looking airborne radar (SLAR) imagery and base maps must be cleared up. / Private industry has oversold SLAR imagery as base maps. / SLAR imagery, while useful in their its own way, are not useful or to be confused with base maps.

During the workshop several issues were discussed resulting in the following recommendations by the representatives:

* Revision of 7.5-minute quad mapping needs to be accelerated as new mapping winds down with SMAC's input into revision.

* Prices of our printed maps and separates can be increased without adversely affecting sales.

* The 1:250,000-scale maps receive limited use and should be updated on a less frequent basis.

* State and local government base map usage should be exempted from USGS/NMD copyright laws, if enacted.

Specific action items assigned to USGS/NMD are:

* USGS/NMD/Research make available to the SMAC's the draft standards and user guides available for NMD's digital mapping program.

* USGS/NMD/WMC develop a schedule for starts and completion of standard & provisional mapping in the western states.

The next regional mapping workshop will be held in September or October 1983. Dr. John Beaulieu will be the host [Deputy State Geologist, Dept. of Geology & Mineral Industries, 1069 State Office Bldg., Portland, OR 97201 (telephone FTS: 8-424-5580 or (503) 229 - 5880.] KW

Getting From Here to There

An article in Science News (Vol. 123, p. 188) by Wray Herbert describes a "simple psychological experiment" using two rudimentary maps [shown in the article] which Marvin Levine, a psychologist at the State University of New York Stony Brook, designed for testing the cognitive ability of his subjects.

The maps are both accurate, but one was properly aligned with

the actual terrain through which the subject had to maneuver; the second was rotated 180-degrees. "The experimental results, ...indicate two things: that people assume maps to be properly aligned with the terrain they are facing; and that the cognitive maps they construct are much easier to use when they are indeed aligned with the terrain. ...49 of 88 subjects using misaligned maps failed [the test], compared with 2 of 88 with aligned maps."

Levine made a study of 19 maps - "in shopping malls, office buildings, universities and hospitals - he found that the typical you-are-here map was 90-degrees out of alignment. Only three of the 19 maps were properly aligned, and three were contra-aligned 180-degrees. One of the latter - a hospital, Levine notes - discovered the misalignment only after dental patients began showing up repeatedly in the obstetrics ward, while pregnant women were appearing in the dental clinic." JP

Dewey Decimal Classification for Maps

The Library of Congress Information Bulletin for Feb. 28, 1983, p. 84, includes a report of the meeting of IFLA's Section on Classification and Subject Cataloguing. "John Comaromi, Library of Congress, editor of DDC, described changes that are currently being considered. ...and, to be published in a year or so, a beginner's guide to DDC and a map manual composed of 150-200 maps marked with DDC area numbers." EP

Datagraphix Terminal Comes to NCIC

A news article by John Fisher appears in the Fall 1982 issue of Topowest, the newsletter of the USGS/National Mapping Center, Menlo Park (Vol. 16, no. 2, p. 3), which describes the new computer terminal that ties NCIC in Menlo Park to the Amdahl computer at the USGS National Center in Reston, Virginia. The Datagraphix terminal links the following data bases together to provide NCIC the capability of answering thousands of questions for USGS researchers and the public: Aerial Photography Summary Record System, Map and Chart Information System, Cartographic Catalog, Geographic Names Information System, and the Digital Cartographic Data Base. EP

INDEX TO VOLUME 14

ACQUISITIONS - SOURCES

- "Duplicate gazetteers - free for the asking" 14:3:214 J '83
- "Duplicate maps and publications available" 14:2:138-144
M '83
- "Duplicate quads available" 14:3:224 J '83
- "Duplicates available" 14:1:46 & 83 N '82
- "Duplicates wanted" 14:1:82 N '82

AMERICAN LIBRARY ASSOCIATION - MAP AND GEOGRAPHY ROUND TABLE
(MAGERT)

- "Call for Papers" [Los Angeles] 14:1:82 N '82
- "Conferences/meetings - some future, some past" 14:2:100-101
M '83
- "Minutes" [San Jose Meeting] 14:3:243-252 J '83

ARMSTRONG, HelenJane

- "CUAC Representatives for 1982/1983" 14:2:94 M '83

ASSOCIATION OF CANADIAN MAP LIBRARIES

- "Bulletin Number 44/September 1982" 14:2:129 M '83
- "Conferences/Meetings - some future, some past" 14:2:97-98
M '83

AUSTRALIAN MAP CURATORS CIRCLE

- "Checklist of Australian map catalogues and indexes" 14:2:
128 M '83
- "Conferences/meetings - some past, some future" 14:2:95
M '83

AVERA, Harmon Q.

- [speaker] "Information transfer equipment for map and imagery
products" 14:1:71 N '82

Beullac, Paul "Preventive preservation" 14:1:87-89 N '82

BLAKELEY, Mary, and others. "New mapping of western North
America" 14:2:165-178 M '83; 14:3:198-201 J '83

BOOK REVIEWS

CALTRANS, Named highways in California thru 1981.
Reviewed by Stanley D. Stevens 14:2:144-146

Cartographic materials: a manual for interpretation for
AACR-2. Reviewed by Stanley D. Stevens
14:1:18-19 N '82

Dicken, Samuel N. and Emily F. Oregon divided: a regional geography. Reviewed by Edward P. Thatcher 14:3:219-220
J '83

Edgar, Neal L. and Wendy Yu Ma. Travel in Asia: a guide to information sources. Reviewed by Harold M. Otness 14:3:220-221 J '83

Ehrenberg, Ralph E. Archives & manuscripts: Maps and architectural drawings. Reviewed by R. Philip Hoehn. 14:1:20-21 N '82

Gay, Jeanne. Travel and tourism bibliography and resource handbook. Reviewed by Peter L. Stark 14:1:15-17 N '82

Handbook of the nations. Reviewed by Peter L. Stark 14:3:221-222 J '83

Kurian, George Thomas, ed. Geo-data : the world almanac gazetteer. Reviewed by Susan Trevitt-Clark 14:3:222-224
J '83

Rafferty, Milton D. Historical atlas of Missouri. Reviewed by John Shuler 14:1:17 N '82

CALIFORNIA

Crotts, Joe "Geologic map index of USGS 7.5' & 15' quadrangles of California, 1981" 14:1:32-45 N '82

"News Notes" 14:3:257 J '83

CALIFORNIA MAP SOCIETY

"Conferences/meetings-some past, some future" 14:2:95 M '83

CARRINGTON, David K.

"SLA's Honors Award for 1982 goes to David Carrington" 14:1:79-80 N '82

CARTOGRAPHER, STATE RESIDENT

"News Notes" 14:3:260-261

CARTOGRAPHIC USERS ADVISORY COUNCIL

"...Constitution & By-Laws" 14:3:185-188 J '83

"Editor's Page" 14:2:90-94 M '83

"Minutes of the Executive Committee [and General Meeting]..."
14:3:243-247 J '83

"Report on CUAC" 14:3:183-188 J '83

CARVER, Larry

"Minutes" [of Santa Barbara meeting] 14:1:68-75 N '82

"President's Message" 14:3:181 J '83

CATALOGING AND CLASSIFICATION

Cartographic Materials:... Reviewed by Stanley D. Stevens
14:1:18-19 N '82

"Cataloging Committee" 14:1:76 N '82

"Minutes, General Meeting...Spring Meeting...San Jose"
14:3:248-252 J '83

"Spring 1983 meeting, map cataloging workshop, April 21-22,
1983, San Jose State University, San Jose, California"
14:1:1 N '82

CATALOGUES

"Publishers' & dealers' catalogs" 14:2:137 M '83

COBB, David A.

"Editor's Page" 14:2:90 M '83

COLLINS, Janet

"Bench Marks!" 14:2:104 M '83

COLORADO

"The Colorado map access project" 14:1:81 N '82

CONSERVATION

Beullac, Paul "Preventive preservation" 14:1:87-89 N '82

Coombs, James. "News Notes" 14:2:165-178 M '83

COX, Barbara

"...Leadership for 1982/83" 14:1:67 N '82

"President's Message" 14:3:181 J '83

"Publications of Relevance" 14:2:126-136 M '83

Crotts, Joe. "Geologic map index to USGS 7.5' & 15' quadrangles
of California, 1981" 14:1:32-45

Cruse, Larry. "MicroCartography" 14:1:2-14 N '82; 14:2:105-
109 M '83; 14:3:190-196 J '83

---, with others. "New mapping of western North America" 14:3:
198-201 J '83

---, with others. "News notes" 14:2:146-165 M '83; 14:3:254-
266 J '83

---, with others. "Publications of relevance" 14:1:22-31 N '82;
14:3:202-212 J '83

CRUSE, Larry

"Minutes...San Jose" 14:3:243-252 J '83

Deckelbaum, David. "Publications of Relevance" 14:1:22-31 N '82

DERKSEN, Charlotte R.M.

"CUAC Representatives for 1982/1983" 14:2:94 M '83

DI MARIO, Michael F.

"Report on CUAC" 14:3:183-184 J '83

EHRENBERG, Ralph

[noted] 14:1:82 N '82

EISENBEIS, Kathleen

"CUAC Representatives for 1982/1983" 14:2:94 M '83

EMPLOYMENT

"Map librarian job opening" 14:2:102 M '83

"Sounding Board" [San Jose meeting] 14:3:249 J '83

ENRICI, Pamela Lee

[Host of San Jose meeting, see:] "Minutes" 14:3:243-252

J '83

"1983 WAML election results" 14:3:180 J '83

"President's Message" 14:3:181 J '83

"Spring 1983 meeting...[announcement]" 14:1:1 N '82

ESTES, John

"New mapping products being developed from remote sensing"

[speaker at Santa Barbara meeting] 14:1:73 N '82

FAIRCHILD AERIAL SURVEYS

"Indexing the Fairchild historical air photo collection at

UCLA" 14:1:73 N '82

FALK, Marvin W.

[cited by] Larry Cruse in "MicroCartography" 14:2:105 M '83

FETROS, John G.

"Bench Marks!" 14:3:197 J '83

FITZPATRICK, Gary

"Spring 1983 meeting...San Jose" 14:1:1 N '82

"Locating Maps on Computer Data Bases" [speaker at San Jose Meeting, see:] "Minutes" 14:3:246-252 J '83

Fox, Herbert S. "1983 WAML election results" 14:3:180 J '83

GAZETTEERS

"Gazetteers" 14:2:162-163 M '83

"Postal guides as gazetteers" by Riley Moffat 14:3:225-227
J '83

"Geologic map index to USGS 7.5' & 15' quadrangles of California, 1981" by Joe Crofts 14:1:32-45 N '82

"A geological perspective..." by Nancy J. Pruett 14:2:110-117
M '83; 14:3:213-214 J '83

GILLE, Frank and Michael
"Map librarians need to beware of requests for pre-payment"
by Stanley D. Stevens 14:3:215-218 J '83

GREEN, Richard
[noted] 14:1:84 N '82

Hernden, Dan [with Jim Walsh] "Conversion tables from DMA/AMS
standard series designation to GSGS numbering and from GSGS
numbering to DMA/AMS standard series designation" 14:2:118-
125 M '83

Hiller, Steven, with others "News notes" 14:2:165-178 M '83
14:3:254-265

HILLER, Steven
"Bench Marks!" 14:2:104 M '83
"University of Washington map preservation grant" 14:2:158-
159 M '83

HODUSKI, Bernadine
"Editor's Page" 14:2:90 M '83

Hoehn, R. Philip, with others. "New mapping of western North
America" 14:3:198-201 J '83

HOEHN, R. Philip
"News Notes" 14:2:154 M '83

HOLLINGER CORPORATION
[advert.] 14:1:cover N '82; 14:2:cover M '83; 14:3:cover
J '83

HOLSTEN, William
"Illustrations of computer graphics" [speaker at Santa
Barbara] 14:1:72 N '82

INDIANA STATE UNIVERSITY
"News Notes" 14:1:78 N '82

Kidd, Betty, with others. "Publications of Relevance" 14:3:
202-212 J '83

KLIMLEY, Susan
"Bench Marks!" 14:1:21 N '82

Koepf, Donna "Minutes, General Meeting, [and Executive Com-
mittee] Fall Meeting, September 16-17, 1982, ...Santa

Barbara" 14:1:68-76

---. "Minutes, Meeting of the Executive Committee [and General Meeting] Spring Meeting, April 21-22, 1983, San Jose State University, San Jose, California" 14:3:243-252 J '83

KOEPP, Donna

"Spring 1983 meeting [announcement]" 14:1:1 N '82

Krieger, C.R. "Bob" "Named highways in California thru 1981" 14:2:144-146 M '83 [Review of his...]

KRIEGER, C.R. "Bob"

"Bench Marks!" 14:1:21 N '82

KAWULA, John

"Bench Marks!" 14:3:197 J '83

Lamprecht, Sandra J. "Atlas & Book Reviews" [edited by] 14:1:15-21 N '82

LAMPRECHT, Sandra J.

"Appointment of new Atlas & Book Review Editor" 14:2:94 M '83

Larsgaard, Mary L., with others. "New mapping of western North America" 14:2:165-178 M '83

---, w/others. "Publications of relevance" 14:3:202-212 J '83

LARSGAARD, Mary L.

"Bench Marks!" 14:2:103 M '83 [re: Peter Stark]

"CUAC Representatives for 1982/1983" 14:2:94 M '83

"Minutes, General Meeting, ...San Jose" 14:3:246-252 J '83

"Spring 1983 Meeting, Map Cataloging Workshop, ...San Jose" 14:1:1 N '82

Lohrman, Fred, with others. "News Notes" 14:3:253-264 J '83

LUKENS, Beatrice

"Bench Marks!" 14:1:21 N '82

"Minutes" [San Jose meeting] 14:3:248 J '83

Lundquist, David, with others. "News Notes" 14:2:146-165 M '83

---, with others. "Publications of relevance" 14:1:22-31 N '82

LUNDQUIST, David

"Bench Marks!" 14:3:197 J '83

"President's Message" 14:3:181 J '83

MC QUILLAN, David

"Bench Marks!" 14:3:197 J '83

"Map librarians need to beware of requests for prepayment", by Stanley D. Stevens 14:3:215-218 J '83

MAP ONLINE USERS GROUP

"Bench Marks!" [candidates] 14:3:197 J '83

"Newsletter" [cited] 14:1:84 N '82

MEXICO

"News Notes!" 14:3:254 J '83

"Sounding Board" [at San Jose meeting] 14:3:249 J '83

MICROFORMS

"MicroCartography", by Larry Cruse 14:1:2-14 N '82; 14:2:105-109; 14:3:190-196 J '83

MIKA, Aram

"Development of expected products from the Thematic Mapper on LANDSAT D" [speaker at Santa Barbara] 14:1:74 N '82

MILLER, Rosanna

"Minutes" [San Jose meeting] 14:3:248 J '83

Moffat, Riley "Postal guides as gazetteers" 14:3:225-227 J '83

---. "President's Message" 14:3:181 J '83

MOFFAT, Riley

"Leadership for 1982-1983" 14:1:67 N '82

"1983 WAML election results" 14:3:180 J '83

MONTANA

"Montana and vicinity: a select and indexed listing of U.S. Geological Survey Open-File Reports issued between 1974 and Sept. of 1980", by Constance M. Piquette 14:1:52-67 N '82

Moore, Jo Anna "LANDSAT-4 and its Thematic Mapper" 14:1:47-51 N '82

---. "Remote sensing news" 14:3:237-242 J '83

---, with others. "News Notes" 14:3:254-255 J '83

MULLIN, Stephen C.

"News Notes" 14:3:254 J '83

MURPHY, Richard E.

"Bench marks!" 14:2:103 M '83

"New Mapping of western North America", by Mary Blakeley, Jim Coombs, Jim Walsh, Steven Hiller, Mary Larsgaard, Stanley Stevens, Peter Stark, Robert Sathrum, Ronald Whistance-Smith 14:2:165-178 M '83

---, by Mary Blakeley, Larry Cruse, Phil Hoehn, Mary Larsgaard, Linda Newman, Jim Walsh. 14:3:198-201 J '83

NEW YORK PUBLIC LIBRARY

"New York Public Library's map exhibition on islands of the world" 14:1:85 N '82

NEW ZEALAND MAP KEEPERS CIRCLE

"Conferences/meetings - some future, some past" 14:2:96-97 M '83

Newman, Linda, with others. "New mapping of western North America" 14:3:198-201 J '83

"News Notes" 14:1:78-89 N '82; 14:2:146-165 M '83;
14:3:254-265

NORTH AMERICAN CARTOGRAPHIC INFORMATION SOCIETY

"News Notes" 14:3:259-260 J '83

NORTH, Gary

"Editor's Page" 14:2:90 M '83

"Maps: who uses them?" 14:2:157 M '83

Otness, Harold M., with others. "News Notes" 14:2:162 M '83

Perry, Joanne M., with others. "Publications of Relevance" 14:2:126-136 M '83

PERRY, Joanne M.

"Bench Marks!" 14:2:104 M '83; 14:3:197 J '83

Pieri, Leslie "Introduction and demonstration of the Jet Propulsion Laboratory video imagery retrieval system" [speaker at Santa Barbara meeting] 14:1:71 N '82

PILLSBURY, Stanley R.

"Bench Marks!" 14:3:198 J '83

Piquette, Constance M. "Montana and vicinity: a select and indexed listing of U.S. Geological Survey open-file reports issued between 1974 and Sept. of 1980" 14:1:52-67 N '82

PIQUETTE, Constance M.

"Bench Marks!" 14:2:104 M '83

- Post, J. B. "Campus maps wanted" 14:2:158 M '83
- , with others. "News Notes" 14:2:146-165 M '83; 14:3:254-265 J '83
- , with others. "Publications of Relevance" 14:1:22-31 N '82; 14:2:126-136 M '83; 14:3:202-212 J '83
- POST, J. B.
"Bench Marks!" 14:3:197 J '83
- POST, Joyce
"Bench Marks!" 14:3:197 J '83
- "Postal guides as gazetteers", by Riley Moffat 14:3:225-227 J '83
- "Preventive preservation", by Paul Beullac 14:1:87-89 N '82
- Pruett, Nancy "A geological perspective" 14:2:110-117 M '83; 14:3:213-214 J '83
- , with others. "Publications of relevance" 14:3:202-212 J '83
- PRUETT, Nancy
"Bench Marks!" 14:1:21 N '82; 14:3:198 J '83
"CUAC Representatives for 1982/1983" 14:2:94 M '83
- Reinhard, Christine, with others. "News Notes" 14:3:254-265 J '83
- REMOTE SENSING
"LANDSAT-4 and its thematic mapper", by Jo Anna Moore 14:1:47-51 N '82
"Remote sensing news", by Jo Anna Moore 14:3:237-242 J '83
- REVIEWERS
- Hoehn, R. Philip 14:1:20-21 N '82
Otness, Harold M. 14:3:220-221 J '83
Schuler, John 14:1:17 N '82
Stark, Peter L. 14:1:15-17 N '82; 14:3:221-222 J '83
Stevens, Stanley D. 14:1:18-19 N '82; 14:2:144-146 M '83
Thatcher, Edward P. 14:3:219-220 J '83
Trevitt-Clark, Susan 14:3:222-224 J '83
- RISTOW, Walter W.
"Library dedication honors Robinson" 14:2:151-152 M '83
- ROACH, Delbert
"Minutes" [San Jose meeting] 14:3:248 J '83

- ROBINSON, Arthur
"Library dedication honors Robinson" 14:2:151-152 M '83
- ROCHESTER (NEW YORK)
"...to restore a piece of 1876 history", by Chris Vaughan
14:1:83 N '82
- SANBORN MAP COMPANY
"MicroCartography", by Larry Cruse 14:1:6-7 N '82; 14:2:
107-108 M '83
- Sathrum, Robert, with others. "New mapping of western North
America" 14:2:165-178 M '83
- SAWYER, Danford L. Jr.
"Report on CUAC" 14:3:183-184 J '83
- SEAVEY, Charles
"Editor's Page" 14:2:90 M '83
"Non-traditional map cataloging information sought" 14:2:
155-156 M '83
- SELDIN, Daniel
"Bench Marks!" 14:2:103 M '83
- Selmer, Marsha, with others. "Publications of Relevance" 14:1:
22-31 N '82
- SHABAD, Theodore
"Americans are graded as poor in geography" 1:14:84 N '82
- SHKURKIN, Vlad
[advert.] 14:2:cover M '83; 14:3:cover J '83
"Sounding Board" [Minutes of Santa Barbara meeting] 14:1:70
N '82
- SHUPE, Barbara
"News Notes" 14:2:154 M '83
- SNYDER, Robert R.
"News Notes" 14:3:254 J '83
- SOCIETY OF AMERICAN ARCHIVISTS
[advert.] 14:2:cover M '83; 14:3:cover J '83
- Sowers, Margaret, with others. "News Notes" 14:3:253-264 J '83
- SPECIAL LIBRARIES ASSOCIATION. GEOGRAPHY & MAP DIVISION.
"Conferences/meetings - some future, some past" 14:2:98-100
M '83

Stark, Peter L. "Atlas & Book Reviews" [edited by] 14:3:219-224 J '83

---, with others. "New mapping of western North America" 14:2:165-178 M '83

---, with others. "Publications of relevance" 14:3:202-212 J '83

STARK, Peter L.

"Appointment of new Atlas-Book Review Editor" 14:2:94 M '83

"Bench Marks!" 14:2:103 M '83

"News Notes" 14:2:154 M '83

STARKEL, Harold "New USGS cartographic databases" [speaker at Santa Barbara meeting] 14:1:72-73 N '82

STEPHENSON, Richard

"Bench Marks!" 14:1:21 N '82; 14:2:104 M '83; 14:3:197 J '83

Stevens, Stanley D. [CUAC letter to Congressman Vic Fazio] 14:2:92-93

---. "Appointment of new Atlas & Book Review Editor" 14:2:94 M '83

---. "Editor's Message" 14:3:182-183 J '83

---. "Editor's Page" 14:2:90-94, [postscript] 179 M '83

---. "Indexing the Fairchild historical air photo collection at UCLA" [speaker at Santa Barbara meeting] 14:1:73 N '82

---. "Map librarians need to beware of requests for pre-payment" 14:3:215-218 J '83

---. "Report on CUAC" 14:3:183-188 J '83

---. SEE ALSO, contributions to "New mapping of Western North America"; "News Notes", and "Publications of Relevance"

STEVENS, Stanley D.

"Bench Marks!" 14:2:103 M '83

"CUAC Representatives for 1982/1983" 14:2:94 M '83

"1983 WAML election results" 14:3:180 J '83

"...Leadership for 1982/1983" 14:1:67 N '82

"President's Message" 14:3:181 J '83

"WAML Publication announcement, Occasional Paper No. 9" [edited and produced by] 14:3:189 J '83

STOUT, Paul

- "Bench Marks!" 14:2:103 M '83
- Strickland, Muriel, with others. "News Notes" 14:3:254-265
J '83
- , ---. "Publications of relevance" 14:3:202-212 J '83
- STRICKLAND, Muriel
"Bench Marks!" 14:2:104 M '83
- SULLIVAN, Walter "New mapping systems widen knowledge of seas"
14:2:156-157 M '83
- SUTHERLAND, Johnnie D.
"Bench Marks!" 14:3:197 J '83
- "Switzerland's Atlas Siegfried: a study of its history", by
Ronald Whistance-Smith 14:3:228-236 J '83
- THATCHER, Edward P.
"Bench Marks!" [re: Peter Stark] 14:2:103 M '83
- TREVITT-CLARK, Susan
"Bench Marks!" [re: Peter Stark] 14:2:103 M '83
"1983 WAML election results" 14:3:180 J '83
"WAML Leadership for 1982/1983" 14:1:67 N '82
"President's Message" 14:3:181 J '83
- UNITED STATES. BUREAU OF THE CENSUS.
"MicroCartography", by Larry Cruse 14:3:196 J '83
- . BUREAU OF LAND MANAGEMENT.
"MicroCartography", by Larry Cruse 14:3:190-196 J '83
- . DEFENSE MAPPING AGENCY.
"News Notes" [re: Depository Shipment] 14:2:149 M '83
"News Notes" [re: Depository Shipment] 14:3:262 J '83
- . GEOLOGICAL SURVEY.
"Datagraphix terminal comes to NCIC" 14:3:266 J '83
"Fifth regional mapping workshop" 14:3:263-265 J '83
"Geologic map index to USGS 7.5' & 15' quadrangles of Cal-
ifornia, 1981" 14:1:32-45 N '82
"NCIC Newsletter" 14:1:80 N '82; 14:2:165 M '83
"USGS topo maps limited to one copy" 14:2:165 M '83
"USGS travelling map exhibits" 14:1:85-86 N '82
- . LIBRARY OF CONGRESS.
"Optical disk pilot project" 14:2:147-148 M '83
- . ---. GEOGRAPHY & MAP DIVISION.
[Summer project] 14:2:148 M '83

- Waibel, Konrad, with others. "News Notes" 14:3:254-265 J '83
- Walsh, Jim, with Dan Hernden. "Conversion tables from DMA/AMS standard series designation to GSGS numbering and from GSGS numbering to DMA/AMS standard series designation" 14:2:118-125 M '83
- Walsh, Jim, with others. "New mapping of western North America" 14:3:198-201 J '83
- , ---. "News Notes" 14:2:165-178 M '83
- , ---. "Publications of Relevance" 14:3:202-212 J '83
- WESTERN ASSOCIATION OF MAP LIBRARIES
[Equipment] "For Sale" 14:2:179 M '83
- - COMMITTEES.
"Minutes, Meeting of the Executive Committee...Spring Meeting, April 21, 1983...San Jose" 14:3:243-248
Membership-Hospitality Committee: see "Minutes" San Jose 14:3:243-248
"WAML Microfilming Consortium" 14:1:2-5 N '82; 14:2:105-106 M '83; 14:3:196, 244, 248 J '83
- - EXECUTIVE.
"1983 ... election results" 14:3:180 J '83
"Leadership for 1982/1983" 14:1:67 N '82
"Minutes, ... Santa Barbara" 14:1:75-76 N '82
- - MEETINGS.
"Minutes, ... San Jose" 14:3:243-252 J '83
"Spring 1983 ...[announcement]" 14:1:1 M '82
- - MEMBERS.
"Attendance...Santa Barbara" 14:1:77 N '82
"Attendance...San Jose" 14:3:253-254 J '83
- - MINUTES.
"Minutes, meeting of the Executive Committee [and General Meeting], Spring Meeting - April 21, 1983, San Jose State University, San Jose..." 14:3:243-252 J '83
"Minutes, General Meeting [and Executive Committee], Fall Meeting, - September 16-17, 1982, Santa Barbara" 14:1:68-76 M '82

--- - PUBLICATIONS - INFORMATION BULLETIN - EDITOR.

"Editor's Message" 14:3:182-183 J '83
"Editor's Page" 14:2:90-94 M '83
"Editor's Postscript" 14:2:179 M '83
"Minutes" [San Jose Meeting] 14:3:243-252 J '83
"President's Message" 14:3:181 J '83

--- - --- - OCCASIONAL PAPERS.

[Advertisement] 14:1:cover N '82
"Minutes...San Jose...April 21-22, 1983" 14:3:243-252
"WAML Publication Announcement, Occasional Paper No. 9"
14:3:189 J '83

Whistance-Smith, Ronald "Switzerland's Atlas Siegfried: a case
study of its history" 14:3:228-236 J '83

---, with others. "New mapping of western North America" 14:2:
165-178 M '83

---, with others. "Publications of relevance" 14:1:22-31 N '82

WHISTANCE-SMITH, Ronald

"1983 WAML election results" 14:3:180 J '83

WOLTER, John A.

[noted] 14:1:84 N '82

WOODWARD, Frances

"WAML Publication Announcement, Occasional Paper No. 9, by
Frances Woodward" 14:3:189 J '83

ZOLLER, Don

"News Notes" 14:3:260-261 J '83

WAML PUBLICATIONS

1973 Catalogue of Sanborn atlases at California State University, Northridge / by Gary W. Rees and Mary Hoeber. WAML Occasional Paper no. 1. xxi, 122 p., ill. LC # 73-5773 ; ISBN 0-939112-01-9 \$4.00

1976 Union list of Sanborn fire insurance maps held by institutions in the United States and Canada, vol. 1, Alabama to Missouri / by R. Philip Hoehn. WAML Occasional Paper no. 2. xvii, 178 p. LC # 76-6129 ; ISBN 0-939112-02-7 \$5.00

1977 Union list of Sanborn fire insurance maps held by institutions in the United States and Canada, vol. 2, Montana to Wyoming; Canada and Mexico / by William S. Peterson-Hunt and Evelyn L. Woodruff; with a supplement and corrigenda to volume 1, by R. Philip Hoehn. WAML Occasional Paper no. 3. xv, 201 p. LC # 76-2129 Rev. ; ISBN 0-939112-03-5 \$6.00

(Occasional Papers 2 and 3 together: ISBN 0-939112-04-3) \$10.00

1978 Index to early twentieth century city plans appearing in guidebooks: Baedeker, Muirhead-Blue Guides, Murray, I.J.G.R., etc., plus selected other works to provide worldwide coverage of over 2,000 plans to over 1,200 communities, found in 74 guidebooks / by Harold M. Otness. WAML Occasional Paper no. 4. xxx, 94 p. LC # 78-15094 ; ISBN 0-939112-05-1 \$6.00

1978 The maps of Fiji: a selective and annotated cartobibliography / by Mason S. Green. WAML Occasional Paper no. 5. xx, 70 p., ill. LC # 78-24066 ; ISBN 0-939112-06-X \$4.00

1980 Index to nineteenth century city plans appearing in guidebooks: Baedeker, Murray, Joanne, Black, Appleton, Meyer, plus selected other works to provide coverage of over 1,800 plans to nearly 600 communities, found in 164 guidebooks / by Harold M. Otness. WAML Occasional Paper no. 7. xxiv, 84 p. LC # 80-24483 ; ISBN 0-939112-08-6 \$6.00

1981 Microcartography: applications for archives and libraries / edited by Larry Cruse, with the assistance of Sylvia B. Warren. WAML Occasional Paper no. 6. x, 200 p. LC # 81-19718 ; ISBN 0-939112-07-8 \$20.00

1981 Printed maps of Utah to 1900; an annotated cartobibliography / by Riley Moore Moffat. WAML Occasional Paper no. 8. xvi, 177 p. LC # 81-659 ; ISBN 0-939112-09-4 \$10.00

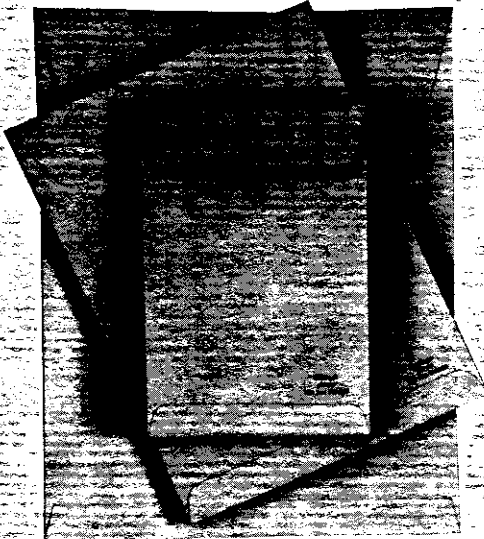
40% Discount to Members of WAML

**SAA's newest manual
will help you find out where you are
and where you need to go
with your map collection.**

Archives & Manuscripts: Maps and Architectural Drawings
Ralph E. Ehrenberg

This manual is designed as a general reference work for the archivist who lacks specialized training but who requires some knowledge of maps and architectural drawings. Chapters are devoted to accession and appraisal, arrangement, description, conservation, storage, and reference and access as they apply to these special types of records. The manual includes many illustrations, plus a glossary, a list of selected conservation and storage supplies and suppliers, and a bibliography. 64 pp., \$5 to SAA members, \$7 to others.

To order, contact the Society of American Archivists, 330 S. Wells St., Suite 810, Chicago, IL 60606. Ask to receive a complete list of the over 45 titles published or distributed by SAA.



**The not-so-
humble, all-
purpose,
Hollinger envelope.**

Hollinger acid free envelopes will last longer because they start out stronger. We use 32# Permalife[®] ledger stock, while most other envelopes are made of less durable, 24# paper. For further protection to the rare pamphlets, documents and prints you store in these envelopes, there is no adhesive on the flap, and the seams are secured with acid free adhesive. These envelopes are available in white or tan in 5 sizes, ranging from 6" x 9" to 11½" x 15".

Custom sizes are available, with minimums in quantities. Send or call in your details for pricing information. If you need a copy of our catalog, please request one on your letterhead.



**THE
HOLLINGER
CORPORATION**

3810 South Four Mile Run Drive, P.O. Box 6185, Arlington, VA 22206
(703) 671-6600

Map Stock No.	Description (Location, Year) (Sanborn Fire Insurance Maps)	Unit Reel, Set or Sheet	No. of Units Ordered	Unit Cost	Subtotals & Totals
The One-Sheet Maps and Map Sets are printed by the offset process from metal plates on heavy 19" x 25" stock, black lines on white background.					
19-4	ANGELS CAMP CA 1898 SANBORN	One Sheet		\$3	
24-0	AURORA NV 1890 SANBORN	One Sheet		\$3	
16-X	AUSTIN NV 1907 SANBORN	One Sheet		\$3	
15-1	BODIE CA 1890 SANBORN	One Sheet		\$3	
17-8	DAYTON NV 1907 SANBORN	One Sheet		\$3	
21-6	FALLOON NV 1905 SANBORN	One Sheet		\$3	
18-6	MOKELUMNE HILL CA 1898 SANBORN	One Sheet		\$3	
25-9	NORTH BLOOMFIELD CA 1905 SANBORN	One Sheet		\$3	
20-8	SAN ANDREAS CA 1898 SANBORN	One Sheet		\$3	
14-3	TUSCARORA NV 1890 SANBORN	One Sheet		\$3	
05-4	VIRGINIA CITY 1890 MAP FOLIO (Includes Gold Hill)	13 Sheet Set		\$16	
06-2	BENICIA CA 1886 MAP FOLIO 19" x 25". Printed on heavy stock.	6 Sheet Set		\$10	Both for
07-0	VALLEJO CA 1886 MAP FOLIO 19" x 25". Printed on heavy stock.	12 Sheet Set		\$16	\$20
23-2	RENO NV 1879 MAP FOLIO (T.B.Camp) 19" x 25". Printed on heavy stock.	5 Sheet Set		\$12	
26-7	ALASKA MAPS: CITIES AND TOWNS 1904-1957. 121 Maps of 23 Towns	Std. 35mm Microfilm		\$32	
32-1	ARIZONA MAPS: CITIES AND TOWNS 1886-1907. 350 Maps of 29 Towns	Std. 35mm Microfilm		\$53	
31-3	CALIF. WAREHOUSE BOOK (DAKIN) 1897; CHICO 1885. 192 Maps	Std. 35mm Microfilm		\$40	
10-0	CONTRA COSTA CO. CA MAPS 1884-1906. 122 Maps of 12 Towns	Std. 35mm Microfilm		\$32	
27-5	CONTRA COSTA II (Calif.) MAPS 1907-1943. 540 Maps of 25 Towns	Std. 35mm Microfilm		\$68	
29-1	IDAHO MAPS: CITIES AND TOWNS 1884-1907. 475 Maps of 49 Towns	Std. 35mm Microfilm		\$63	
03-8	MOTHER LODE MAPS (Calif. Hwy 49) 1884-1906. 212 Maps of 30 Towns	Std. 35mm Microfilm		\$40	
02-X	NEVADA MAPS: CITIES AND TOWNS 1885-1906. 193 Maps of 21 Towns	Std. 35mm Microfilm		\$40	
04-6	NEVADA MAPS: CITIES AND TOWNS 1906-1943. 195 Maps of 21 Towns	Std. 35mm Microfilm		\$40	
30-5	NEVADA MAPS III: CITIES AND TOWNS 1907-1950. 222 Maps of 16 Towns	Std. 35mm Microfilm		\$43	
28-3	NEW MEXICO MAPS: CITIES AND TOWNS 1883-1908. 390 Maps of 30 Towns	Std. 35mm Microfilm		\$56	In Preparation - Master On Order
22-4	SAN FRANCISCO BEFORE THE EARTHQUAKE 1899-1900. Over 700 maps in 6 Vols.	Std. 35mm Microfilm		\$80	
09-7	SOLANO/NAPA COUNTIES, CALIF. 1884-1903. 260 Maps of 11 Towns	Std. 35mm Microfilm		\$46	
11-9	UTAH CITIES AND TOWNS 1884-1904. 290 Maps of 23 Towns	Std. 35mm Microfilm		\$48	
13-5	WESTERN COLORADO TOWNS 1883-1904. 274 Maps of 24 Towns	Std. 35mm Microfilm		\$47	
12-7	WYOMING CITIES AND TOWNS 1883-1903. 191 Maps of 17 Towns	Std. 35mm Microfilm		\$40	
MP	Individual frames printed from our microfilm. Specify Town, Date and number of sheets. Use separate sheet. Reproduction process may vary from time to time.	Sheet, 17" x 20" Industrial Quality.		\$2/ sheet.	
MINIMUM ORDER: \$5.00				Total Enclosed:	

PRECISE MAPS OF OLD WESTERN TOWNS[®]
(Sanborn Fire Insurance Maps)

VLAD SHKURKIN, PUBLISHER (415) 232-7742
6025 Rose Arbor, San Pablo, CA 94806

Do not add postage, handling,
or taxes. They are included
in the price.

All orders are sent by first
class or priority mail. Maps
are sent in a mailing tube.

Please make checks payable to
Vlad Shkurkin. Thank you.
2/83

NAME _____

DATE _____

ADDRESS _____

& ZIP _____